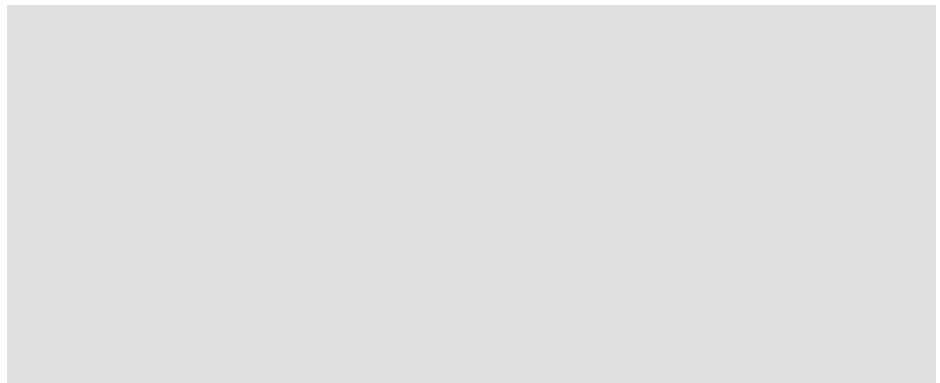


Curriculum Vitae of Antonio Giordano, M.D, PhD

PERSONAL DATA



Name: Antonio Giordano



EDUCATION:

1980-1986 M.D. Degree, Summa cum laude. 1st Medical School, University of Naples, Naples, Italy
1987-1990 Ph.D Experimental and Clinical Pathology, University of Trieste, Italy

POSITIONS AND HONORS

1983-1986 Internship, Department of Pathology, 1st Medical School, University of Naples, Italy
1987-1988 Postdoctoral Fellow, Depts. of Microbiol and Immunology, New York Medical College, Valhalla, NY
1988-1992 Postdoctoral Fellow, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
1990-1992 Postdoctoral Fellow, Irvington Institute for Medical research, NY
1992-1994 Assistant Professor Biochemistry with joint appointments at Fels Institute for Cancer Research & Molecular Biology & Pathology, Temple Univ. School of Medicine, Philadelphia, PA
1994-1996 Assistant Professor, Department of Pathology Anatomy and Cell Biology, Kimmel Cancer Institute, Thomas Jefferson University, Philadelphia, PA
1996-1996 Associate Professor, Department of Pathology Anatomy and Cell Biology, Sbarro Institute, Thomas Jefferson University, Philadelphia, PA
1996-2001 Professor, Department of Pathology Anatomy and Cell Biology, Sbarro Institute, Thomas Jefferson University, Philadelphia, PA
2001-Present Professor, Department of Biology and Medicine, Temple University, Philadelphia, PA
2002-Present Director, Sbarro Health Research Organization, Temple University, Philadelphia, PA
2004-Present Director, Center of Biotechnology, Temple University, Philadelphia, PA
2004-Present "Chiara Fama" Professor, Department of Medicine, Surgery and Neuroscience, University of Siena, Italy
2013-Present Trustee of The American University of Rome
2014-Present Director, Professional Master Program (PSM) in Bioinnovation, Temple University, PA
2019- Member of scientific board of "Scuola Superiore Meridionale" of Naples. (Appointed by Italian Minister of Education)

2020- Member of ISS (National institute of health) scientific board as "Representative of the Ministry of the Environment"

2020- Member of ISS (National institute of health) scientific board as "Representative of the Ministry of the Environment" Director of a scientific board aimed to contrast damage caused by environmental pollution (Ministry of Health)

2023 Director of a scientific board aimed to make health easy for Italians abroad (Ministry of Foreign Affairs)

2023 Member of the scientific board of the Italian League for the fight against cancer (LILT)

2024 Director of scientific board aimed to contrast damage caused by environmental pollution (Ministry of Health)

OTHER APPOINTMENTS

1993-Present President, Chairman of the Board and Founder of the Sbarro Health Research Organization (recognized as a Tax Exempt Organization under section 501 (c)(3) of USA Internal Revenue Code Tax I.D. No.: 23-2745953)

2000-2004 Adjunct Professor, Department of Pharmacology - University of Naples (Italy)

2001-Present Member Executive Council Collegium Ramazzini, Bologna, Italy

2001-2004 Adjunct Professor, Department of Obstetrics and Gynecology University of Bologna, Bologna, Italy

2006-Present Member of Editorial Academy of the International Journal of Oncology

2006-Present Founder and Chairman of the Scientific Advisory Board of the Human Health Foundation, Spoleto, Italy

2007- 2013 President of the Scientific Advisory Board and Director of Research line 3 of the Centro di Ricerche Oncologiche di Mercogliano (CROM), Mercogliano, Italy

2010 Honorary Professor of the Autonomous University of Santo Domingo in the Dominican Republic (for achievements in research and the development of biomedicine)

2011 Named member of the Board of Directors of the National Italian American Foundation

2013 Editorial Board Member of Stem Cell Discovery

2014 Advisory Board Member Guglielmo Marconi University

2014 – present Technical Advisor of the Avellino Public Prosecutor's Office for the Isochimic case

2017 Scientific Director of the Medeaterranea - food and wine academy – Naples

2019 President of FONICAP Association

OTHER PROFESSIONAL ACTIVITIES

REVIEWER |Prof. Giordano is grant reviewer for the American Cancer Society and the National Institutes of Health (National Cancer Institute branch); Expert reviewer for SPORE grants in lung and prostate cancer; External reviewer for evaluating research programs for the Food and Drug Administration; Ad hoc reviewer for National Science Foundation and Veteran Administration grant programs. Reviewer for U.S. Department of Defense grant applications. Reviewer of research grant applications submitted to the Italian government (M.I.U.R.- Ministry of Italian Universities) and to European Community review panels. Italian Delegate for Life Sciences for the Framework Program VII (2007-2013). Reviewer for MRC SIR grants and panel member for SRA Lung Cancer Research Program. Over the years, Dr. Giordano has been an Invited Lecturer at hundreds of scientific meetings held within the U.S. and abroad.

PROFESSIONAL ORGANIZATIONS |He is member of several professional organizations such as: American Association for Cancer Research; American Association for the Advancement of Science; The New York Academy of Science; International Society for the Study of Comparative Oncology; Società Italiana Tumori; Gruppo Oncologico dell'Italia Meridionale (GOIM); Italian Society of Histochemistry; Mediterranean Oncology Group; National Italian American Foundation; U.S. Food and Drug Administration; Stem Cell Research Italy.

EDITORIAL BOARDS

PAST

Journal of Cellular Biochemistry
Journal of Cellular Physiology
La Clinica Terapeutica
Anticancer Research
Molecular and Cellular Differentiation
Cancer Biology and Therapy
Reference Module in Life Science, Cell Biology and Genetics section
Current Cancer Therapy Reviews
Journal of Molecular Biology and Biotechnology
Frontiers in Bioscience
Journal of Clinical Pathology and Molecular Pathology
The Women's Oncology Review
The Journal of Experimental & Clinical Cancer Research
Journal of Neurovirology
International Journal of Oncology(WJBC)
World Journal of Clinical Oncology Physiology Journal
Journal of Social and Economical Issues of Biotechnology
Chinese Journal of Clinicians (CJC)
World Journal of Translational Medicine
World Journal of Medical Genetics (WJMG)
International Journal of Molecular Science (IJMS)

The Open Cancer Journal (TOCJ)

The Open Proteomics Journal (TOPROTJ)

The Open Biomarkers Journal

BMJ Case Reports

Journal of Cell Death

International Journal of Biomedical Science

Genetics and Epigenetics Journal

Current Signal Transduction Therapy

Current Clinical Pathology and Oncology
(Series Editor)

The Open Breast Cancer Journal (TOBCANJ)

Journal of Tumor

The Open Lung Cancer Journal (TOLCJ)

The Open Drug Safety Journal (TODSJ)

Lung cancer: Targets and Therapy

Gene Review Letters

Oncotarget

World Journal of Biological Chemistry

Cancer Reports (CR)

Sequencing

Cancer Therapy

PRESENT

Journal of Cancer Metastasis and Cancer Treatment
MDPI: Oncology" in Diseases
Journal of Experimental & Clinical Cancer Research
Cancer Drug Resistance
Stem Cell Discovery (SCIRP)
Translational Medicine Reports
Frontiers in Oncology
Annals of Research in Oncology

AWARDS AND HONORS

1990 International Sebetia Ter (for outstanding young investigator)

1992 Upjohn AACR Program Committee (for his work on tumor suppressor gene)

1995 Irving J. Selikoff Award for Cancer Research

1998 Rotary International Award

1999 Lions Club Napoli-Europa for outstanding achievements in cancer research

2001 Honored as Knight of the Republic of Italy for outstanding achievements in cancer research

2003 National Italian-American Political Action Committee (NIA-PAC) National Lifetime Achievement Award in Medical Research

2004 International Miami Award for Biomedical Research

2004 Cabrini-Neumann-Sons of Italy Award for Distinguished Contributions to Higher Education and the Academic Community Distinguished Italian-American Award

2004 International Award from "Gente d'Italia" for scientific achievements, Miami

2005 The National Organization of Italian American Women (NOIAW)'s Special Recognition Award, for Research achievements in the fields of cell cycle, gene therapy and the genetics of cancer

2005 National ILICA (Italian Language Inter-Cultural Association) Award, for contributions to the research

Leading to conquering devastating diseases

2006 Purple Aster Ball Award from Order of Sons of Italy for scientific achievements

2006 14th Annual "A. Talegalli" Award for his scientific research, given by the "Punto Eggi" Association, city of Eggi (Italy)

2006 National Solidarity Award "Padre Pio per la Pace", Fiuggi, Italy

2006 Bi-annual International "Don Luigi Sturzo" Award in Ethical Research, given by the Associazione Internazionale di Apostolato Cattolico, Naples, Italy

2006 Associazione Senologia Del Mediterraneo for advanced scientific and professional teachings

2007 "Leonardo Renaissance Mediterraneo" Award for accomplishments in research, given by the Gruppo Alberghiero Salvatore Naldi, Italy

2007 Saint Valentine's Prize for scientific achievements, given by city of Terni (Italy)

2007 ILICA Award for research contribution, Arezzo, Italy

2009 Confindustria Napoli award "Napoletani eccellenti nel mondo"

2009 Filippo Mazzei Award

2010 "Made in Italy" Gran Gala Award

2010 Volere Volare Award – The Best of "Made in Italy"

2010 Radio Latte e Miele "Person of the Year" Award

2010 Cosentino Award, San Fedele a Pioppi (Arezzo, Italy)

2010 "United for Life" Award for Excellent Contribution to Scientific Research, Civitanova, Marche, Italy

2010 Honorable distinction as Knight Commander by the Italian Republic

2010 Honorary Professor of the Autonomous University of Santo Domingo in the Dominican Republic (for Achievements in research and the development of biomedicine)

2012 Grande Ippocrate Award for the excellence in scientific research

2013 "2013 National Award Arycanda" for his commitment to the environment (Pozzuoli, Italy)

2017 "CORE Award for Oncology 2017" on behalf of Centro Oncoematologico Reggio Emilia (CORE)

2018 Medaglia d'argento di Benemerenzia Civica (Napoli, Italy)

2018 "Filitalia International's 30th Anniversary", Citizenship Award (Bensalem, Pennsylvania, PA)

2018 "Premio di Giornalismo "Posillipo, Cultura del Mare", Edizione Speciale Legalità (Napoli, Italy)

2019 "Cristopher Columbus Award", New York (NY)

2019 "Premio alla carriera", Associazione FONICAP, Verona (Italy)

2021 "Premio alla carriera per la costante e qualificata attività nel campo della ricerca oncologica e della formazione", ASL di Taranto, Taranto (Italy)

2023 "Premio da Vinci" by Italian Heritage and Culture Committee-NY

2023 "Magna Grecia Awards" by Magna Grecia Awards & Fest (Castellaneta, Italy)

2024 "Premio Internazionale Fides et Scientia-Vincenzo De Colibus_IX edizione"

2024 Filitalia International & Foundation "4rd Annual Heroes Awards"

ITALIAN NATIONAL GRANTS AWARDED TO PROF. GIORDANO AS PRINCIPAL INVESTIGATOR (2004 - PRESENT)

MPS Foundation **2004**, "Research project on the role of pRb2/p130 in Medulloblastoma development: from mechanism to gene therapy". € 100.000,00.

PAR **2004**, "pRb2/p130 in lung cancer: from molecular mechanisms to gene therapy". € 23.000,00.

AIRC **2004-2005**, "ER-transcriptional regulation by pRB proteins: potential prognostic markers and therapeutic targets in breast cancer". € 75.000,00.

PAR **2006**, "pRb2/p130 role in senescence induced by radiations". € 25.000,00.

PRIN **2008**, "Angiogenesis and cellular transformation: novel biological and molecular interaction mechanisms". € 30.600,00.

ITT **2008**, "The small molecule Spa310 derived from the spacer domain of pRb2/p130 tumor suppressor as a perspective candidate for cancer therapy". € 159.000,00.

AIRC **2010**, "Dissecting pRb2/p130 multiple functions in lung tumorigenesis". € 150.000,00.

AIRC **2014**, "Dissect pRb2/p130 role in apoptosis and its interplay with the Akt pathway to explore its tumor suppressor potential". € 130.000,00.

Meso Foundation **2017**: "PRMT5 as two-in-one strategy for mesothelioma treatment". € 100.000,00.

PRIN **2022**: "New frontiers in the treatment of malignant pleural mesothelioma: wild-type caprine herpesvirus type 1 (CpHV-1)" € 294.000,00

PNRR 2022 Spoke 7

INTERNATIONAL GRANTS AWARDED TO PROF. GIORDANO AS PRINCIPAL INVESTIGATOR (2002 – PRESENT)

National Cancer Institute NIH R21 CA94802-01, July **2002**-Jun **2004**. “Functional Interaction between HIV-1 products and cell cycle proteins”. \$ 100,000

National Cancer Institute NIH RO1 CA094804-02, Mar **2002**-Dec **2006**. “Human Neurotropic JC Virus and CNS Diseases”. \$ 222,500

National Cancer Institute NIH RO1 CA 60999-09A2, July **2004**-Jun **2009**. “pRb2/p130 from Mechanisms to Therapy”. \$ 1,659,000

SBARRO HEALTH RESEARCH ORGANIZATION, INC.

Commonwealth of Pennsylvania

DCED-1, July **2003**. Department of Community & Economic Development #C000007313. Local Municipal Resources and Development Program. \$ 500,000

DoH-1, July **2004**. Department of Health - SAP #4100023913. Lung Cancer Development: Rb2/p130 as a Guardian Gene. \$ 1,500,000

DoH-2, July **2005**. Department of Health - SAP#4100034057. Cancer Biomolecular Markers Research. \$ 1,000,000

DLI-1, July **2005**. Department of Labor and Industry #IS06-161. Philadelphia Workforce Development-Training Grant. \$ 750,000

DoH-3, July **2006**. Department of Health - SAP #4100036651. Cancer Biomolecular Markers Research. \$ 1,000,000

DoH-4, July **2007**. Department of Health - SAP #4100042016. Cancer Biomolecular Markers Research. \$ 2,000,000

DoH-5, Nov **2008**. Department of Health - SAP #4100046197. Cancer Biomolecular Markers Research: Tools of Diagnosis & Prognosis in Lung Tumorigenesis. \$ 2,000,000

DLI-2, Jan-Jun **2009**. Department of Labor & Industry - N00: 248-07-001. Workforce Development Training Program. \$ 200,000

DLI-3, Jan-Jun **2010**. Department of Labor & Industry - N00: 248-08-001. Workforce Development Training Program. \$ 300,000

RACP-1, Sept **2007**-Oct **2008**. Commonwealth of Pennsylvania Redevelopment Assistance Capital Project/New Lab. \$ 1,500,000; Temple University - Match New Lab.

Redevelopment Assistance Capital Project\$ 1,500,000

DoH-6, Nov **2009**-Oct **2010**. Dept. of Community & Economic Development. Stem Cells in Cancer Research. \$ 500,000

DoH-7, Jul **2010**-Jun **2011**. Pennsylvania Department of Health - SAP #4100054936. Impact of Dietary Factors and Obesity in Cancer Development. \$ 1,250,000

DCED-2, Jul **2008**-Jun **2012**. Commonwealth of PA - DCED#C00004897. Lung Cancer Biotechnology Research & Training Project. \$ 1,400,000

RACP-2, Jan **2009**-Dec **2011**. Commonwealth of PA. Redevelopment Assistance Capital Project. SHRO/Beech Interplex Inc. – Development Project. \$ 1,500,000

RACP-3, June **2010**-Jul **2012**. Commonwealth of PA. Redevelopment Assistance Capital Project. University City Science Center Development Project. \$ 1,000,000

Pennsylvania Department of Health. July **2012**-June **2013**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health. July **2013**-June **2014**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health July **2014**-June **2015**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health July **2015**-June **2016**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health July **2016**-June **2017**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health July **2017**-June **2018**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

Pennsylvania Department of Health July **2018**-June **2019**. Sbarro Inc. Biotechnology Grant. \$ 1,000,000

U.S. Department of Defense

DoD-1, Jun **2006**. MRMC. Biomarkers in Breast Cancers. \$ 890,000
DoD-2, Jun **2007**. TATRC. Biomarkers in Breast Cancers. \$ 900,000
DoD-3, Jun **2008**. TATRC. Biomarkers in Breast Cancers. \$ 1,054,000

SCIENTIFIC CONTRIBUTION

MAIN DISCOVERIES | At 26, while a post-doctoral fellow at Cold Spring Harbor Laboratory in New York, Giordano made significant contributions to the field of cancer research. His work led to the recognition that an identical protein species occurs in complexes with both a virus and with the cell cycle regulatory kinase cdc2. Later, this protein species was identified as protein cyclin A, a substance that regulates cell cycle growth. This work helped setting the stage for subsequent discovery in several other laboratories.

Giordano went on to discover Rb2/p130 in the early 1990s while serving as a member of Temple's School of Medicine faculty and as a researcher at the Fels Institute for Cancer Research and Molecular Biology. Since that time, Giordano and SHRO researchers have established links between Rb2/p130 and its expression with the regression of cancer in the lungs, the aggression of cancer in the liver and ovaries, the effectiveness of drug therapies against breast cancer, and as a potential prognosticator of prostate cancer.

Giordano also discovered Cdk9 and Cdk10, two protein kinases that must be activated to guarantee proper progression through the cell cycle. Research has subsequently shown that Cdk9 is a multifunctional protein that plays a critical role in cell differentiation, particularly in muscles, HIV transcription, and the inception of tumors. Recent research has focused on the role of Cdk9-55 in helping to regenerate muscle tissue in cases of muscle wasting from disease or aging.

In July of 2009, Giordano was ranked third on the list of "Laboratory Heads by Number of Publications" on the Cell Cycle Registry, attesting the relevance at international levels of his work on cell cycle regulation.

In 2004, Giordano discovered Novel Structure Proteins (NSPs), a new family of structure proteins with a possible role in nuclear dynamics during cell division. One form of the gene, the isoform NSP5a3a, is highly expressed in some tumor cell lines and could be very useful as a tumor marker. Isoforms from NSPs, a new family of genes could be involved in apoptosis or programmed cell death.

Giordano also played a major role in studying the cyclin-dependent-kinase inhibitor p27 which serves as the prognosticator factor in cancer patients.

Giordano's early investigation and findings on the cell cycle has contributed to a new series of drugs currently in clinical trials. In 2009, he was invited to write on this topic on *Nature Reviews Drug Discovery* in recognition of his role as a leading international researcher in this field **HEALTH AND ENVIRONMENT** | In the past few years Giordano has devoted many efforts to the study of the relation between cancer and environmental pollution in the Italian region Campania. He was among the first to report an increased incidence of various tumor types in the population living close by sites of illegal toxic waste dumping. On this theme he did not only publish scientific articles but also committed to make known these data through: two books on the topic '*Campania, land of poison*' (<http://www.campaniaterradiveleni.com/home-eng.html>) and '*Monnezza di stato. La terra dei fuochi nell'Italia dei veleni*' edited by Denaro Libri and Minerva respectively; by launching a petition to safeguard the environment, which was signed up by over 500 researchers and people in various fields; and through many other no-profit activities.

For more information about Antonio Giordano's contribution to the Health and Environment theme please read also his interview to the Italian Scientists and Scholars of North America Foundation: (<http://www.issnaf.org/italians/intervista-con-antonio-giordano.html>)

AN INTERNATIONAL MODEL | In 1993, Giordano founded the Sbarro Institute with a donation from Mario Sbarro, founder of the Sbarro restaurant chain, following Dr. Giordano's discovery of the tumor suppressor gene pRb2/p130. Initially named the Sbarro Institute, the research center was located at Thomas Jefferson University, where Giordano was a professor. When Giordano moved to Temple University in 2002, he and twenty fellow scientists forged a new, three-year alliance with Temple University in Philadelphia, Pennsylvania. Under the new arrangement, the original Sbarro Institute was renamed the Sbarro Health Research Organization, Inc., which includes the Sbarro Institute for Cancer Research and Molecular Medicine. SHRO funds a program in the University Of Siena. In 2006, Giordano founded the Human Health Foundation (HHF) with the Banca Popolare di Spoleto. The charitable organization raises funds to support biomedical research and health education in Italy.

TEACHING RESPONSIBILITIES |Giordano dedicates a great part of his time in teaching (please find below a list of courses presented during his career) and in setting up new strategies for the education of young scientists. For example, he opened a SHRO island on Second Life (SL), a three-dimensional virtual world created by Linden Laboratories in 2003, whose participants, called residents, reached in July 2008 more than 14 million with a total of 1.205.307 logging in from May to July 2008: SHRO island on SL includes laboratories, a conference room, places for informal discussions and offices. So far, SHRO Island hosted international meetings and tours for students and PhD students in the virtual laboratories in which they can have a virtual training in performing some experiments with the help of notecards explaining technical and scientific details of the different experimental steps.

COURSES PRESENTED |

Cell Cycle of Cancer, a graduate course, Department of Biochemistry. Temple University, Philadelphia, PA, 1992-1994

Tumor Suppressor Genes, course in genetics, Department of Biochemistry. Temple University, Philadelphia, PA, 1992-1994

Tumor Suppressor Genes in cancer, course in genetics. Thomas Jefferson University, Philadelphia, PA, 1996-2002

Cyclins and Cyclin Dependent Kinases in Cell Cycle of Cancer, course in genetics. Thomas Jefferson University, Philadelphia, PA, 1996-2002

Transcription Factors in Cancer, course in genetics. Thomas Jefferson University, Philadelphia, PA, 1996-2002

Cell Cycle and Cancer, course in Biochemistry. Thomas Jefferson University, Philadelphia, PA, 1999-2002

Cell Cycle and Growth Control (Bio 822). Sbarro Institute for Cancer Research and Molecular Medicine, College of Science and Technologies, Temple University Philadelphia, PA, 2002

Biotechnology for Gene Therapy University of Siena, Siena, Italy, 2008-2014

Molecular Investigations in Pathology, University of Siena, Siena, Italy, 2008-2015

Experimental Oncology, Course in Medical Biotechnologies, University of Siena, Siena, Italy, 2010-2012

Human Pathology, Course in Medical Biotechnologies, University of Siena, Siena, Italy, 2013-2014

Pathological Anatomy, Course in Physiotherapy, University of Arezzo, Arezzo, Italy, 2012-2014

Pathological Anatomy and Histology, course in Biomedical Laboratory Techniques, University of Siena, Siena, Italy, 2012

Pathological Anatomy, Course in Physiotherapy, University of Siena, Siena, Italy, 2015

Pathological Anatomy and Histology, Course in Environment and Workplace Prevention Techniques, University of Siena, Siena, Italy, 2011-today

Pathological Anatomy, course in Speech and Language Therapy, University of Siena, Siena, Italy, 2015.

STUDENT ADVISOR |Giordano also dedicates to the training and support of numerous researchers. He has been student advisor of: Wuchao Yuan, Ph.D. Student, Research Mentor, 1993 -1996; Nianli Sang, Ph.D. Student, Research Mentor, 1993-1997; Charity Dean, MS Student, Research Mentor, 1996-1998; Timothy McLachlan, Ph.D. Student, Research Mentor, 1994-1998; Candace Howard, M.D., Ph.D. Student, Research Mentor, 1995-1998; Sal Vitelli, MS Student, Research Mentor, 1997-1998; Christine Kumar, Research Mentor, 2002-2004; Cristina Hillson, Research Mentor, 2002-2003; Giuseppe Russo, Research Mentor, 2001-2005; Paraskevi Vogiatzi, Research Mentor, 2002 – 2006; Margherita Cerrone, Research Mentor, 2003 – 2007; Daniela Trani, Research Mentor, 2004-2007; Luca D'Agostino, Research Mentor, 2004-2007; Ang Sun, Research Mentor, 2005-2009; Steven Tutton, Research Mentor, 2002-2005; Andrew Puca, Research Mentor, 2005-2008 ; Annalisa Roberti Ph.D student, Research Mentor, 2005- 2009; Chiara Lucchetti, Research Mentor, 2005- 2008; Mario Mancino Ph.D student, Research Mentor, 2005- 2009; Flavio Rizzolio Ph.D Student, Research Mentor, 2006- 2010; Giovanni Abbadessa Ph.D student, Research Mentor, 2006-2010; Cynthia Carrillo Infante, Research Mentor, 2006- 2009; Eliseo Mattioli, Research Mentor, 2006- ; Monica Mischitelli Ph.D student, Research Mentor, 2007-2011; Raffaele La Montagna Ph.D Student, Research Mentor, 2007- 2011; Maria Giovanna Boiano, Research Mentor, 2007- ; Valentina Malafoglia, Research Mentor, 2009-2012; Giulio Laurenti, Research Mentor, 2012-2013; Silvia Boffo, Research Mentor, 2012 ; Fatima Morales, Research Mentor, 2013; Valeria Rizzo, Research Mentor 2011 – 2013; Giovanna Elvira Granato, Research Mentor 2012 - 2013, Valentina Tomei Ph.D. Student, Research Mentor 2007-2014; Pacifici Marco Ph.D student, Research Mentor 2008-2012; Iris Maria Forte Ph.D. Student, Research Mentor 2008-2012; Olabinjo Olayinka Olabinjo Ph.D Student, Research Mentor 2009-2014; Nadia

Casini Ph.D. Student, Research Mentor 2009-2014; Martina Cozzi Ph.D. Student, Research Mentor 2008-2016; Francesca Giorgi Ph.D. Student, Research Mentor 2008-2013; Eleonora Marcelli Ph.D. Student, Research Mentor 2009-2013; Daniele Conti, Ph.D. Student, Research Mentor 2009-2013; Elisa Ceccherini Ph.D. Student, Research Mentor 2012-2015; Luca Napoliello Ph.D. Student, Research Mentor 2012-2015; Daniela Barone Ph.D. Student, Research Mentor 2012-2015; Anna Russo Ph.D. student, Research Mentor 2012-2015; Carla Milanese Ph.D. Student, Research Mentor 2012-2015; Daniele Cesari Research Mentor 2015; Leonardo Del Porro Research Mentor 2015; Riccardo Intruglio, Research Mentor 2016; Antonella Caporaso Ph.D. Student, Research Mentor 2013-2017; Carmelina Antonella Iannuzzi Ph.D. Student, Research Mentor 2013-2017; Antonella Penon Ph.D. Student, Research Mentor 2013-2017; Mancuso Pietro Ph.D. Student, Research Mentor 2014-2018; Delaram Rahmani Ph.D. Student, Research Mentor 2014-2018; Carlo Astarita Ph.D. Student, Research Mentor 2015-201; Angela Altieri Ph.D. Student, Research Mentor 2016-2021; Daniele Cesari Ph.D. Student, Research Mentor 2016-2021; Costantino D'Angelo Ph.D. Student, Research Mentor 2017-2021; Milena Dell'Aquila Ph.D. Student, Research Mentor 2017-2021; Beniamino Fulco Ph.D. Student, Research Mentor 2017-2021; Marcella Barbarino Ph.D. Student, Research Mentor 2018-2022; Maria Eusebia Bottaro Ph.D. Student, Research Mentor 2018-2022; Martina Bruno Ph.D. Student, Research Mentor 2019-2023; Aurora Costa Ph.D. Student, Research Mentor 2019-2023.

PATENTS (number, title, holder, issue date)

- 1) US 2009028579WO2009139876 A2 Regenerating and enhancing development of muscle tissue. Giordano, Antonio 19.11.2009
- 2) US20090054333 A1 Peptide inhibitors of cyclin-dependent kinase activity and uses thereof. Giordano, Antonio 26.02.2009
- 3) EP1914241 A1 Peptide inhibitors of cyclin-dependent kinase activity and uses thereof Giordano, Antonio Date of publication 23.04.2008
- 4) WO2007008252 A1 Genetic and epigenetic alterations in the diagnosis and treatment of cancer. Giordano, Antonio 18.01.2007
- 5) WO2006017239 A1 Methods for determining presence of cancer by analyzing the expression of cyclin-dependent kinase 9 (CDK9) and/or cyclin T1 in lymphoid tissue. Giordano, Antonio 16.02.2006
- 6) WO2005033285 A2 Gene modulation by RB2/p130 expression. Giordano, Antonio 14.04.2005
- 7) WO2005027712 A2 Methods of diagnosing, prognosing and treating breast cancer. Giordano, Antonio 31.03.2005
- 8) US6162612 A Human cyclin-dependent protein kinase-like proteins and methods of using the same. Giordano, Antonio 19.12.2000
- 9) WO2000015649 A1 Methods of inhibiting smooth muscle cell proliferation and preventing restenosis with a vector expressing RB2/p130. Giordano, Antonio 23.03.2000
- 10) WO9908700 A1 pRb2/p130 peptide inhibitors of cdk2 kinase activity. Giordano, Antonio 23.02.1999
- 11) WO9855598 A1 A method of inhibiting cancer cell growth using a vector expressing prb2/p130. Giordano, Antonio 10.12.1998
- 12) US5840506 A Methods for the diagnosis and prognosis of cancer. Giordano, Antonio 24.11.98
- 13) WO9851821 A1 Determination of cyclin-dependent kinase inhibitor p27 levels as a prognostic factor in cancer patients. Giordano, Antonio 19.11.1998
- 14) US5807681 A Human Retinoblastoma-related (PRB2/P130) genomic DNA and methods for detecting mutations therein Giordano, Antonio 15.09.98
- 15) WO9738125 A1 Methods for the diagnosis and prognosis of cancer. Giordano, Antonio 16.10.97
- 16) WO9628555 A1 Novel human cyclin-dependent kinase-like proteins and methods of using the same. Giordano, Antonio 19.09.1996
- 17) WO9505470 A1 Tumor suppressor protein pRB2, related gene products, and DNA encoding therefor Giordano, Antonio 23.02.1995

BOOKS AND BOOKS CHAPTERS

1. Chang, C., Sacco, J., Mak, G., Welch, W., Mizzen, L., Morris, G., Mathews, M.B., Giordano, A., Harlow, E., Beach, D., Draetta, G., Franza, B.R. Jr., Garrels, J.I. (1989). Building databases with the QUEST system: The HeLa database. Electrophoresis Forum (ed. BJ. Radola): 47-51. Technical University of Munich, Munich.

2. De Luca A., Baldi A., Claudio P.P., Howard C.M., Campisi S., Giordano A., Condorelli G.: The retinoblastoma gene and its role in cancer and differentiation. (1995): *Future Trends in Endocrinology* 14, 197-206 Ares Serono Symposia Publications
3. Mayol, X., Graña, X., Baldi, A., Giordano A. (1995) The Adenovirus E1A oncoproteins: a link between transformation and cell cycle. *Future Trends in Endocrinology: Cell cycle and Cancer* (Ed. A. De Bellis, E.Schipani). Ares Serono Symposia Publications. 14: 217-231.
4. Baldi A., Esposito V., De Luca A., Caputi M, Giordano G.G., Baldi F., Giordano A. (1995): Expression pattern of the retinoblastoma-related genes Rb2/p130 and p107 in normal human tissues and gastric cancer. In XX Congresso Nazionale di Oncologia S.I.P.D.T.T. Monduzzi Editore 111-123.
5. Howard, C., Giordano A. (1996) Neoplastic Transformation: Oncogenes, Tumor Suppressors, Cyclins, and Cdks In: *Hormones and Cancer*. Birkäuser press. (Edit by W. Vedeckis) 3-41.
6. Massaro-Giordano M., Baldi A., Giordano A., Baldi GL. (1998): The retinoblastoma gene family: a protagonist in cell cycle regulation and differentiation. in Samuels, S.W. and Upton, A.C. *Genes, Cancer and Ethics In the Work Environment*. OEM Press, Beverly, MA. 65-76.
7. Baldi F., Baldi A., De Luca A., Esposito V., Caputi M., Giordano G.G., Giordano A.(1998): Expression of tumor suppressor genes in human mesothelioma. in Samuels, S.W. and Upton, A.C. *Genes, Cancer and Ethics In the Work Environment*. OEM Press, Beverly, MA. 159-166.
8. Howard C. M., Claudio P.P, Carbone M., Giordano A. (1998): SV40 and Human Cancer. in Samuels, S.W. and Upton, A.C. *Genes, Cancer and Ethics In the Work Environment*. OEM Press, Beverly, MA. 167-174.
9. Mutti L., De Luca A., Claudio P.P., Convertino G., Carbone M., Giordano A. (1998): Simian Virus 40-like DNA sequences and Large-T Antigen-Retinoblastoma family protein pRb2/p130 interaction in human mesothelioma. Brown F. and Lewis AM (eds): *Simian Virus 40 (SV40): a possible human polyoma virus*. Dev. Biol Stand. Basel, Karger. 94: 47-53.
10. Chellappan P.S., Giordano A., Fisher P.B. (1998): The Role of Cyclin Dependent Kinases and their Inhibitors in Cellular Differentiation and Development. Ed. S. Reed and P. Vogth. *Current Topics In Microbiology and Immunology*. 227: 57-103.
11. Stiegler P., Giordano A. (1998). Big brothers are watching: The retinoblastoma family in growth control. In Maciera-Coelho (Ed.) *Progress in molecular and subcellular biology: Inhibitors of cell growth*. Springer-Verlag Berlin Heidelberg Vol. 20: 25-42.
12. G. Stein, R. Baserga, Giordano A., D. Denhardt (1999): "Cell Cycle and Growth Control", eds., Wiley-Liss, NY.
13. Puri PL, MacLachlan TK, Levrero M, Giordano A. (1999): The intrinsic cell cycle: from yeast to mammals. In "Cell Cycle and Growth Control", G. Stein, R. Baserga, Giordano A., D. Denhardt eds., Wiley-Liss, NY. 15-79.
14. Mutti L., Convertino G., Giordano A., Rubin E. (1999): Carcinogenic Effect of Simian Virus 40 and Asbestos Fibers on Rb family Proteins and Cell Cycle Machinery of Malignant Mesothelioma Cells. In "Sourcebook on Asbestos Disease". 19: 361-394.
15. Claudio P. P., Giordano A. (2000). RB1 and RB2. In Pass H.I., Mitchell J.B., Johnson D.H., Turrisi A.T., Minna J.D. (Ed.) *Lung Cancer: Principles and Practice*. Lippincot Williams & Wilkins. 7: 133-155.
16. Masciullo V., Giordano A (2000): *Biologia molecolare del cancro*. In "Oncologia Medica Pratica" (Ed. M. Lopez). Società Editrice Universo, Roma (Italy). 1: 15-31. (In Italian).
17. Masciullo V., Giordano A (2000): Bersagli molecolari nella terapia del cancro. In "Oncologia Medica Pratica" (Ed. M. Lopez). Società Editrice Universo, Roma (Italy). 1: 1465-81. (In Italian).
18. Masciullo V., Giordano A (2000): Terapia genica. In "Oncologia Medica Pratica" (Ed. M. Lopez). Società Editrice Universo, Roma (Italy). 1: 1483-91. (In Italian).
19. Claudio P.P. and Giordano A. (2000) Nasopharyngeal carcinoma. In *Cancer Research, an encyclopedic reference book*. Springer Ed. 615-618.
20. Maraldi NM, Giordano A., Manzoli L., Falconi M., Pol AD, Cinti C. (2001): Genetic alteration at the nuclear localization signal of the RB2/p130 gene occur in lymphoid tumor but not in osteosarcoma cell lines. *Adv. Enzyme Regul.* 41: 31-55.
21. Baldi F., Baldi A., Giordano GG, Giordano A. (2001): p53 and the retinoblastoma gene family in human mesothelioma: the SV40 hypothesis. In: *The health effects of chrysotile asbestos: contribution of science to risk-management decisions*. Ed: Nolan RP, Langer AM, Ross M. Wicks FJ Martin RF. Special Publication 5 of the Mineralogical Association of Canada. 141-144.

22. Claudio PP, Giordano A., (2003): Preparation of retroviral vectors for cell cycle-targeted gene therapy of lung cancer. In Barbara Driscoll (Ed.) Lung Cancer, volume II, Diagnostic and therapeutic methods and reviews. Methods Mol Med. Eds., Humana Press. 75: 591-605.
23. Giordano A., and Soprano K.J. (2003): "Cell Cycle Inhibitors in Cancer Therapy: Current Strategies", eds., Humana Press.
24. Paggi M.G., Felsani A., Giordano A. (2003): Growth control by the retinoblastoma family. In El-Deiry W.S. (Ed.) Tumor Suppressor Genes, volume I, Pathways and isolation strategies. Methods Mol Biol. Eds., Humana Press. 222: 3-19.
25. Cinti C., Trimarchi C., Giordano A. (2003): G1 Phase Progression and Apoptosis. In Boonstra J. (Ed) G1 Phase Progression. Molecular Biology Intelligence Unit. Landes/Kluwer. 199-235.
26. Sang N., Giordano A. (2004): Cell Cycle Genes: pRb and p53. In Lockshin R.A. and Zakeri Z. When Cells Die II. Wiley-Liss, NY. 14: 339-379.
27. Tonini T, Claudio PP, Giordano A, Romano G. (2004) Retroviral and lentiviral vector titration by the analysis of the activity of viral reverse transcriptase. Methods Mol Biol.;285:155-7.
28. Tonini T, Claudio PP, Giordano A, Romano G. (2004): Determination of functional viral titer by drug-resistance colony assay, expression of green fluorescent protein, and beta-galactoside staining. Methods Mol Biol.;285:149-53.
29. Tonini T, Claudio PP, Giordano A, Romano G. (2004): Transient production of retroviral- and lentiviral-based vectors for the transduction of Mammalian cells. Methods Mol Biol; 285:141-8.
30. Giordano A. and Lee W.H. Guest Editors (2006): The Retinoblastoma Gene Family. Oncogene 25 (38) 5187-5350.
31. Giordano A, Bovicelli A, Kurman JR. Molecular Pathology of Gynecologic Cancer. Humana Press (2007).
32. Giordano A, De Falco G, Rubin E, Rubin R. Chapter V: Neoplasia. Rubin's Pathology. Lippincott Williams & Wilkins (2007)
33. Balestrieri C, D'Amora M, Giordano A, Napoli C, Pavan A (Ed.). Diagnostica Molecolare nella Medicina di Laboratorio. Vol IX. Piccin (2009).
34. Giordano A, Normanno N (Ed.). Breast Cancer in the Post-Genomic Era. Humana Press (2009).
35. Giordano A, Galderisi U (Ed.). Cell Cycle Regulation and Differentiation in Cardiovascular and Neural Systems. Springer (2010).
36. Giordano A, Macaluso M (Ed.). Cancer Epigenetics: Biomolecular Therapeutics for Human Cancer. Wiley (2011).
37. Russo G, Puca A, Masulli F, Rovetta S, Cito L, Muresu D, Rizzolio F and Giordano A (2011): "Epigenetics, microRNAs and cancer: an update." In "Cancer Epigenetics: Biomolecular Therapeutics in Human Cancer". Wiley: 101-112.
38. Murphy MJ (Ed.). Molecular Diagnostics in Dermatology and Dermatopathology, Current Clinical Pathology, Giordano A (Series Editor). Humana Press (2011).
39. Murphy MJ (Ed.). Diagnostic and Prognostic Biomarkers and Therapeutic Targets in Melanoma, Current Clinical Pathology, Giordano A (Series Editor). Humana Press (2012).
40. Russo A et al. (Eds.), Diagnostic, Prognostic and Therapeutic Value of Gene Signatures, Current Clinical Pathology, Giordano A (Series Editor). Humana Press (2012).
41. Bologna M (Ed.), Biotargets of Cancer in Current Clinical Practice, Current Clinical Pathology, Giordano A (Series Editor). Humana Press (2012).
42. Giordano A and Tarro G (Eds.), Campania, Land of Poison (Campania, Terra dei Veleni). Denaro Libri (2012).
43. Giordano A and Chiariello P, Monnezza di Stato. La terra dei fuochi nell'Italia dei Veleni. Minerva (2015).
44. Francesca Pentimalli & Antonio Giordano. "Cell Biology and Genetics" Reference Module in Life Sciences 2016 <https://doi.org/10.1016/B978-0-12-809633-8.12390-8>.
45. Marcella Barbarino Barbara D'Angelo Francesca Pentimalli Antonio Giordano. Molecular Mechanisms of Cancer Progression: The Central Role of the Retinoblastoma Family Members. Reviews in Cell Biology and Molecular Medicine (2017).
46. Francesca Pentimalli, Daniela Barone & Antonio Giordano. "Thymic tumors and lymphomas: the clinical impact of their underlying molecular features" in "The Mediastinal Mass: A Multidisciplinary Approach" Springer. Edited by Renato Franco, Federica Zito Marino, and Antonio Giordano (2018).

47. Giordano A and Franco R. MALIGNANT PLEURAL MESOTHELIOMA A Guide for Clinicians. Academic Press, Elsevier (2019)

NON PEER REVIEW ARTICLES

1. Mascolo, A., Levin, S., Giordano, A. (1992). A Molecular Biological Approach to the study of Nasopharyngeal Cancer in Chinese Garment Workers. *Ramazzini Newsletter*, 2:54-58.
 2. Giordano A. (2002): Bersagli molecolari nella terapia del cancro. *Oncology News ON. Medprint Ed. 1: 5-9.* (In Italian).
 3. Vocca, I., Muzi, G., Pentimalli, F., Giordano, A. CCNA1 (cyclin A1). *Atlas Genet Cytogenet Oncol* 4. *Haematol.* 2012;16(11):775-781.
- Barone D, Penon A, Giordano A, Cito L. Milk, dairy food, calcium and fats: What does it happen before and after colorectal cancer development? *Journal of Solid Tumors*, 2014, Vol. 4, No. 1

PEER REVIEW PUBLICATIONS

1. Ziai, M.R., Giordano, A., Armandola, E., Ferrone, S. (1988). Purification by ammonium sulfate precipitation of bacteriophage λ gt11 DNA for restriction analysis of cloned cDNA inserts. *Anal. Biochem.*, 171:192-196.
2. Giordano, A., Whyte, P., Harlow, E., Franza, B.R., Beach, D., Draetta, G. (1989). A 60 kd cdc2-associated polypeptide complexes with the E1A proteins in adenovirus infected cells. *Cell*, 58:981-990.
3. Giordano, A., McCall, C., Whyte, P., Franza, B.R. (1991). Human cyclin A and the retinoblastoma protein interact with similar but distinguishable sequences in the adenovirus E1A gene product. *Oncogene*, 6:481-485.
4. Giordano, A., Lee, J., Scheppeler, J.A., Herrmann, C., Harlow, E., Deuschle, U., Beach, D. Franza, B.R. (1991). Cell-Cycle Regulation of Histone H1 Kinase Activity Associated with the Adenoviral Protein E1A. *Science*, 253:1271-1275.
5. Koff, A., Giordano, A., Desai, D., Yamashita, K., Harper, J.W., Elledge, S., Nishimoto, T., Morgan, D., Franza, R., Roberts, J.M. (1992) Formation and Activation of a Cyclin E-cdk2 Complex During The G1 Phase of the Human cell. *Cycle.Science*, 257:1689-1694.
6. Caruso, M., Martelli, F., Giordano, A., Felsani, A. (1993). Regulation of Myo D gene transcription and protein function by the transforming domains of the Adenovirus E1A oncoproteins. *Oncogene*, 8:267-278.
7. Mayol, X., Graña, X., Baldi, A., Sang, N., Hu, Q., Giordano, A. (1993) Cloning of a new member of the retinoblastoma gene family (pRb2) which binds to the E1A transforming domain. *Oncogene*, 8:2561-2566.
8. Yeung S. R., Bell W. D., Testa R. J., Mayol X., Baldi A., Graña, X., Levan G., Knudson, A.G., Giordano A. (1993) The retinoblastoma-related gene, Rb2, maps to human chromosome 16q12 and rat chromosome 19. *Oncogene*, 8:3465-3468.
9. Sala, A., Engelhard, A., Nicolaides, N., Bellon, T., Lawe, D., Arnold, A., Graña, X., Giordano A., Calabretta, B. (1994) Correlation between E2F-1 Requirement in the S Phase and E2F-1 transactivation of cell cycle-related genes in human cells. *Cancer Research*, 54:1402-1407.
10. Graña X., De Luca A., Sang N., Fu Y., Claudio P.P., Rosenblatt J., Morgan D., Giordano A. (1994): PITALRE, a nuclear CDC2-related protein kinase that phosphorylates the retinoblastoma protein in vitro. *Proc. Natl. Acad. Sci. USA*, 91:63834-3838.
11. Graña X., Claudio P.P., De Luca A., Sang N., Giordano A., (1994): PISSLRE, a human novel cdc2-related protein Kinase. *Oncogene*, 9:2097-2103.
12. Bianchi, S., Calzolari, A., Giordano A., Zampi G. (1994) Expression of retinoblastoma protein in human breast cancer: an immunohistochemical study. *Pathologica*, 86:146-149.
13. Jaumot, M., Graña, X., Giordano A., Reddy P. V., Agell, N., Bachs, O. (1994) Cyclin/CDK2 complexes in the nucleus of HeLa cells. *Biochem. Biophys. Res. Commun.*, 222: 1527-1534.
14. Porcu P., Graña X., Li S., Swantek J., De Luca A., Giordano A., Baserga R. (1994): An E2F binding sequence negatively regulates the response of the insulin-like growth factor 1 (IGF-I) promoter to Simian Virus 40 T antigen and to serum. *Oncogene*, 9: 2125-2134.

15. Claudio P.P., Howard C., Baldi A., De Luca A., Condorelli G., Sun Y., Colburn N., Calabretta B., Giordano A. (1994): p130/pRb2 has growth suppressive properties similar to yet distinctive from those of Retinoblastoma Family Members pRb and p107. *Cancer Research*, 54: 5556-5560.
16. Van Wijnen A, Aziz F., Graña X., De Luca A., Desai R.K., Jaarsveld K., Last T.J., Soprano K., Giordano A., Lian J.B., Stein J.L., Stein G.S. (1994) : Transcription of histone H4, H3 and H1 cell cycle genes: Promoter factor HINF-D contains CDC2, cyclin A, and RB-related protein. *Proc. Natl. Acad. Sci. USA*, 91: 12882-12886.
17. Wen S.-C., Ku D.H., De Luca A., Claudio P.P., Giordano A., Calabretta B. (1995): ets-2 Regulates cdc2 Kinase Activity in Mammalian cells: Coordinated Expression of cdc2 and Cyclin A. *Exp. Cell Res.*, 217:8-14.
18. Guillouf C., Graña X., Selvan-Kumaran M., De Luca A., Giordano A., Hoffman-Liebermann B Liebermann D. (1995): Dissection of the genetic programs of p53-mediated G1 growth arrest and apoptosis: Blocking p53-induced apoptosis unmasks G1 arrest. *Blood*, 85: 2691-2698.
19. Condorelli G., Testa U., Valtieri M., Vitelli L., De Luca A., Barberi T., Montesoro E., Campisi S., Giordano A., Peschle C. (1995): Modulation of Retinoblastoma gene in normal adult hematopoiesis: Peak expression and functional role in advanced Erythroid differentiation. *Proc. Natl. Acad. Sci. USA*, 92: 4808-4812.
20. Li S., MacLachlan T.K., De Luca A., Claudio P.P., Condorelli G., Giordano A. (1995): The cdc2-related Kinase, PISSLRE, is essential for cell growth and acts in G2 phase of the cell cycle. *Cancer Research*, 55: 3992-3995.
21. Raj G. V., Gordon J., Hall D. J., De Luca A., Giordano A., Khalili K. (1995): Characterization of glioma cells derived from human polyomavirus-induced brain tumors in hamsters. *International Journal of Oncology*, 7:801-808.
22. Sang, N., Baldi, A. Giordano A. (1995) The roles of Tumor Suppressor pRb and p53 in Cell Proliferation and Cancer. *Molecular and Cellular Differentiation*, 3:1-29.
23. Bullrich, F., MacLachlan T.K., Sang, N., Druck, T., Veronese, M.L., Chiorazzi, N., Koff A., Huebner, K., Croce C.M., Giordano A. (1995) Chromosomal Mapping of members of the cdc2 family of protein kinases, cdk3, cdk6, PISSLRE and PITALRE and a cdk inhibitor, p27Kip1, to regions involved in human cancer. *Cancer Research*, 55:1199-1205.
24. Shakoori R., Van Wijnen A.J., Cooper C., Aziz F., Birnbaum M., Reddy G.P.V., Graña X., De Luca A., Giordano A., Lian J.B., Stein J.L., Quesenberry P., Stein G.S. (1995): Cytokine induction of proliferation and expression of CDC2 and cyclin A in FDC-P1 myeloid hematopoietic progenitor cells: Regulation of ubiquitous and cell cycle-dependent histone gene transcription factors. *J. Cell. Biochem.*, 59:291-302.
25. Baldi A., De Luca A., Claudio P.P., Baldi F., Giordano G.G., Tommasino M., Paggi M., Giordano A. (1995): The Rb2/p130 gene product is a nuclear protein whose phosphorylation is cell cycle regulated. *J. Cell. Biochem.*, 59:402-408.
26. MacLachlan, T.K., Sang, N., Giordano A. (1995) Cyclins and Cyclin-Dependent Kinases and Cdk Inhibitors: Implications in Cell Cycle Control and Cancer. *Critical Reviews in Eukaryotic Gene Expression*, 5:127-156.
27. Smith, E., Schlegel R., Giordano A., Lian, B.J., Stein, J.L., Stein, G.S. (1995) Expression of cell cycle regulatory factors in differentiating osteoblast: Post-proliferative upregulation of Cyclin B and E. *Cancer Research*, 55:5019-5024.
28. Pertile P., Baldi A., De Luca A., Bagella L., Virgilio L., Pisano M.M., Giordano A. (1995): Molecular cloning, expression and developmental characterization of the murine Retinoblastoma-related gene Rb2/p130. *Cell Growth and Differ.*, 6:1659-1664.
29. Sang N., Condorelli G., De Luca A., McLachlan T., Giordano A. (1996): Generation of site-directed mutagenesis by extralong, High fidelity polymerase chain reaction. *Analytical Biochemistry*, 233:142-144.
30. Claudio P.P., De Luca A., Howard C.M., Baldi A., Firpo E.J., Koff A., Paggi M.G., Giordano A. (1996): Functional analysis of pRb2/p130 interaction with cyclins. *Cancer Research*, 56:2003-2008.
31. Baldi A., Boccia V., Claudio P.P., De Luca A., Giordano A. (1996): Genomic structure of the human retinoblastoma-related Rb2/p130 gene. *Proc. Natl. Acad. Sci. USA*, 93:4629-4632.
32. Reiss K., Cheng W., Giordano A., De Luca A., Li B., Kajstura J., Anversa P. (1996): Myocardial Infarction is coupled with activation of cyclins and cyclin-dependent kinases in myocytes. *Exp. Cell Res.*, 225:44-54.

33. Baldi A., Esposito V., De Luca A., Howard C.M., Mazzarella G., Baldi F., Caputi M., Giordano A. (1996): Differential expression of the retinoblastoma gene family members, Rb/p105, p107, Rb2/p130, in lung cancer. *Clinical Cancer Research*, 2:1239-1245.
34. De Luca A., Santra M., Baldi A., Giordano A., Iozzo R. (1996): Decorin-induced growth suppression is associated with up-regulation of p21, an inhibitor of cyclin-dependent kinases. *J. Biol. Chem.*, 271:18961-18965.
35. Sala A., De Luca A., Giordano A., Peschle C. (1996): The retinoblastoma family member p107 binds to b-myb and suppresses its autoregulatory activity. *J. Biol. Chem.*, 271:28738-28740.
36. Soos, T., Kiyokawa, H., Yan, J., Rubin, M., Giordano A., De Blasio, A., Bottega, S., Wong, B., Mendelsohn, J., Koff, A., (1996) Formation of p27-CDK Complexes during the Human Mitotic Cell Cycle. *Cell Growth & Diff.*, 7:135-146
37. Yuan W., Condorelli, G., Caruso, M. Felsani, A., Giordano A. (1996) Human p300 protein is a coactivator for the transcription factor Myo D. *J. Biol. Chem.*, 271:9009-9013.
38. Giordano A., Kaiser H. (1996) The Retinoblastoma gene: its role in Cell Cycle and Cancer. *In Vivo.*, 10:223-228.
39. Paggi M.G, Baldi A., Bonetto F., Giordano A. (1996) The retinoblastoma protein family in cell cycle and cancer: A Review. *J. Cell. Biochem.*, 62:418-430.
40. Esposito V., De Luca A., Baldi A., D'Aponte A., Cavallotti I., Meoli I, Baldi F., Caputi M., Giordano A. (1996): Altered expression of p53 and Rb tumor suppressor genes in lung cancer: relationship with survival. *International Journal of Oncology*, 9:439-443.
41. De Luca A., Esposito V., Baldi A., Giordano A. (1996): The retinoblastoma gene family and its role in proliferation, differentiation and development. *Histology and Histopathology*, 11:1029-1034.
42. Sala, A., Kundu M., Casella I., Engelhard A., Calabretta, B., Grasso L., Paggi M., Giordano A., Watson R.J., Khalili K., Peschle C. (1997): Activation of Human B-Myb by Cyclins. *Proc. Natl. Acad. Sci. USA*, 94:532-536.
43. Puri P. L., Avantaggiati M.L., Balsano C., Sang N., Graessmann A., Giordano A., Levrero M. (1997): p300 is required for MyoD-Dependent Cell Cycle Arrest and Muscle Specific Genes Transcription. *EMBO J.*, 16:369-383.
44. Sang, N. Giordano A. (1997): Extreme N-terminus of E1A Oncoprotein Specifically Associates with a New Set of Cellular Proteins. *J. Cell. Physiol.*, 170:182-191.
45. Esposito V., Baldi A., De Luca A., Micheli P., Mazzarella G., Baldi F., Caputi M., Giordano A. (1997): Prognostic value of p53 in non-small cell lung cancer: Relationship with proliferating cell nuclear antigen and cigarette smoking. *Human Pathology*, 28:233-237.
46. Esposito V., Baldi A., De Luca A., Paciocco G., Gröeger A., Sgaramella G., Claudio P.P., Giordano G.G., Baldi F., Caputi M., Kaiser H., Giordano A. (1997): Role of PCNA in differentiating between malignant mesothelioma and mesothelial hyperplasia: prognostic considerations. *Anticancer Research*, 17:601-604.
47. Esposito V., Baldi A., De Luca A., Claudio P.P., Signoriello G., Bolognese A., Centonze P., Giordano G.G, Caputi M., Baldi F., Giordano A. (1997): p53 immunostaining in differential diagnosis of pleural mesothelial proliferations. *Anticancer Research*, 17:733-736.
48. De Luca A., De Maria R., Baldi A., Trotta R., Facchiano F., Giordano A., Testi R., Condorelli G. (1997): Fas-induced changes in cdc2 and cdk2-kinase activity are not sufficient for triggering apoptosis in HUT-78 cells. *J. Cell. Biochem.*, 64:579-585.
49. Gröeger A. M., Esposito V., Mueller M.R., Caputi M., Kaiser H.E. Giordano A. (1997): Advances in the understanding of lung cancer. *Anticancer Research.*, 17:2519-2522.
50. Djelloul S., Forge-Lafitte M.E., Di Gioia Y., Hermelin B., Mareel M., Bruyneel E., Baldi A., Giordano A., Chastre E., and Gespach G. (1997): Enterocyte differentiation is compatible with SV40 large T expression and loss of p53 function in human colonic Caco-2 cells. Status of the pRb1 and pRb2 tumor suppressor gene products. *Febs Lett.*, 406:234-242
51. Avantaggiati M.L., Ogryzko V., Gardner K., Giordano A., Levine A.S., Kelly K. (1997): Recruitment of p300/CBP in p53-dependent signal pathways. *Cell*, 89:1175-1184.
52. Smith, E., Frenkel B., MacLachlan, T.K., Giordano A., Stein, J.L., Lian, B.J., Stein, G.S. (1997): Post-proliferative Cyclin E-associated kinase activity in differentiated osteoblasts: inhibition by proliferating osteoblasts and osteosarcoma cells. *J. Cell. Biochem.*, 66:141-152.

53. Sang N., Avantiaggiati M.L., Giordano A. (1997): Roles of p300, pocket proteins, and hTBP in E1A-mediated transcriptional regulation and inhibition of p53 transactivation activity. *J. Cell. Biochem.*, 66:277-285.
54. De Luca A., MacLachlan, T.K., Bagella L., Dean C., Howard CM., Claudio P.P., Baldi A., Khalili K., Giordano A. (1997). A unique domain of pRb2/p130 acts an inhibitor of cdk2 kinase activity. *J. Biol Chem.*, 272:20971-20974.
55. De Luca A., Esposito V., Baldi A., Claudio P.P., Fu Y., Caputi M., Pisano M.M, Baldi F., Giordano A. (1997): CDC2-related kinase PITALRE phosphorylates pRb exclusively on serine and is widely expressed in human tissues. *J. Cell. Physiol.*, 172:265-273.
56. Carbone M., Rizzo P., Grimlet PM., Procopio A., Mew DJY., De Bartolomeis A., Esposito V., Giuliano MT., Steinberg SM., Levine AS., Giordano A., Pass HI. (1997): Simian Virus-40 Large T antigen binds p53 in human mesotheliomas. *Nature Medicine*, 3:908-912.
57. De Luca A., Baldi A., Esposito V., Howard CM., Bagella L., Rizzo P., Caputi M., Pass HI., Giordano G.G., Baldi F., Carbone M., Giordano A. (1997): The Retinoblastoma gene family pRb/p105, p107, pRb2/p130 and Simian Virus-40 large-T antigen in human mesotheliomas. *Nature Medicine*, 3:913-916.
58. Esposito V., Baldi A., De Luca A., Gröeger A. M., Loda M., Giordano G.G., Caputi M., Baldi F., Pagano M, Giordano A. (1997): Prognostic role of the cyclin-dependent kinase inhibitor p27 in non small cell lung cancer. *Cancer Research*, 57:3381-3385.
59. Tewari M., Yu M., Ross B., Dean C., Giordano A., Rubin R. (1997): AAC-11, a novel cDNA that inhibits apoptosis after growth factor withdrawal. *Cancer Research*, 57:4063-4069.
60. Van Wijnen A.J., Cooper C., Odgren P., Aziz F., De Luca A., Shakoori R., Reddy G.P.V., Giordano A., Quesenberry P., Lian J.B., Stein G.S., Stein J.L., (1997): Cell Cycle-Dependent Modifications in activities of pRb-related tumor suppressors and proliferation-specific CDP/cut Homeodomain factors in murine hematopoietic progenitor cells. *J. Cell. Biochem.*, 66:512-523.
61. Baldi A., Esposito V., De Luca A., Fu Y., Meoli I., Giordano G.G., Caputi M., Baldi F., Giordano A.(1997): Differential expression of Rb2/p130 and p107 in normal human tissues and in primary lung cancer. *Clin. Cancer Res.*, 3:1691-1697.
62. Krynska B., Gordon J., Otte J., Franks R., Knobler R., De Luca A., Giordano A., Khalili K. (1997): Role of cell cycle regulators in tumor formation in transgenic mice expressing the human neurotropic virus, JCV, early proteins. *J. Cell. Biochem.*, 67:223-230.
63. Condorelli G., Giordano A. (1997): The Synergistic role of E1A-binding proteins and tissue specific trascription factors in differentiation. *J. Cell. Biochem.*, 76:423-431.
64. Raschellà G., Tanno B., Bonetto F., Amendola R., Battista T., De Luca A., Giordano A. and Paggi M.G. (1997): Retinoblastoma-related protein pRb2/p130 and its binding to the B-myb promoter increase during human neuroblastoma differentiation. *J. Cell. Biochem.*, 67:297-303.
65. Sang N., Claudio P.P, Fu Y., Horikoshi N., Graeven U., Weinmann R., Giordano A. (1997): Transforming Region of 243R E1A contains two overlapping but distinct transactivation domains. *DNA and Cell Biol.*, 16:1321-1333.
66. Kasten M., Giordano, A. (1998). pRb and the Cdks in apoptosis and the cell cycle. *Cell Death & Differ.*, 5:132-140.
67. Leri A., Liu Y., Malhotra A., Li Q., Stiegler P., Claudio P.P., Giordano A., Kajstura J., Hintze H. T., Anversa P. (1998): Pacing-induced heart failure in dogs enhances the expression of p53 and p53-dependent genes in ventricular myocytes. *Circulation*, 97:194-203.
68. Ravi K.R., Weber E., McMahon M., Williams R. J., Baylin S., Mai A., Harter L. M., Dillehay L.E., Claudio P.P., Giordano A., Nelkin D. B., Mabry M. (1998): Activated Raf-1 causes growth arrest in human small cell lung cancer cells. *J. Clin. Invest.*, 101:153-159.
69. Susini T., Baldi F., Howard C.M., Baldi A., Taddei G., Massi D., Rapi S., Savino L., Massi G., Giordano A. (1998): Expression of the Retinoblastoma-Related Rb2/p130 correlates with clinical outcome in endometrial cancer. *J. of Clin. Oncol.*, 16:1085-1093.
70. De Pasquale S., Giordano A., Donnenfeld A.E. (1998): The genetics of ovarian cancer: molecular biology and clinical application. *Obstet. Gynecol. Surv.*, 53:248-256.
71. Raschellà G., Tanno B., Bonetto F., Negroni A., Claudio P.P., Baldi A., Amendola R., Calabretta B., Giordano A., Paggi M.G. (1998): The RB-related gene Rb2/p130 in neuroblastoma differentiation and in B-myb promoter down-regulation. *Cell Death & Differ.*, 5:401-407
72. Caputi M., Esposito V., Baldi A., De Luca A., Dean C., Signoriello G., Baldi, F., Giordano A.(1998): p21waf1/cip1mda-6 expression in non small-cell lung cancer: relationship to survival. *Amer J Resp*

Cell and Molec. Biol., 18:213-217.

73. Romano G., Claudio P.P., Kaiser H.E., Giordano A. (1998): Recent advances, prospects and problems in designing new strategies for oligonucleotide and gene delivery in therapy. *In Vivo*, 12:59-68.
74. Caputi M., Esposito V., Baldi A., Gröeger A. M., Pacilio C., Murabito G., Dekan G., Baldi, F., Wölner E., Giordano A. (1998): Prognostic role of proliferating cell nuclear antigen in lung cancer: an immunohistochemical analysis. *In Vivo*, 12:89-94.
75. Puri P. L., Cimino L., Fulco M., Zimmerman C, La Tangué N., Giordano A., Graessmann A., Levrero (1998): Regulation of E2F4 mitogenic activity during terminal differentiation by its heterodimerization partners for nuclear translocation. *Cancer Research*, 58:1325-1331.
76. Kundu M., Sharma S., De Luca A., Giordano A., Rappaport J., Khalili K., Amini S. (1998): HIV-1 Tat elongates the G1 phase and indirectly promotes HIV-1 gene expression in cells of glial origin. *J. Biol. Chem.*, 14:8130-8136.
77. Romano G., Pacilio C., Giordano A. (1998): Gene transfer technology in therapy: current applications and future goals. *The Oncologist*, 3:225-236.
78. Giordano A., Rustum J.M., Wenner C.E. (1998): Cell Cycle: Molecular targets for diagnosis and therapy: tumor suppressor genes and cell cycle progression in cancer. *J. Cell. Biochem.*, 70:1-7
79. Tarro G., Esposito C., Perna M., Claudio P.P., Giordano A. (1998): Immunohistochemical characterization of tumor liberated particles (TLP) expression pattern in lung cancer. *Anticancer Res.*, 18:2365-2370.
80. Romano G., Massi D., Giordano A. (1998) The standpoint of AIDS research and therapy programs. *Anticancer Res.*, 18:2763-2778
81. Caputi M., Esposito V., Gröeger A. M., De Luca A., Dekan G., Giordano G.G. Baldi F., Wölner E., Giordano A. (1998): RB growth control evasion in lung cancer. *Anticancer Res.*, 18:2371-2374.
82. Mutti L., Carbone M., Giordano G.G., Giordano A. (1998) Simian Virus 40 and human cancer. *Monaldi Arch. for Chest Dis.*, 53:198-201.
83. Valle M.T., Castagneto B., Procopio A., Carbone M., Giordano A. Mutti L. (1998): Immunobiology and immune defence mechanisms of mesothelioma cells. *Monaldi Arch. for Chest Dis.*, 53:219-227.
84. Ribotta M., Roseo S., Salvio B., Castagneto B., Carbone M., Procopio A., Giordano A. Mutti L. (1998): Recurrent chromosome 6 abnormalities in malignant mesothelioma. *Monaldi Arch. for Chest Dis.*, 53:228-235.
85. Giani C., Casalini P., Pupa S.M., De Vecchi R., Ardini E., Colnaghi M.I., Giordano A., Ménard S. (1998): Increase expression of c-erbB-2 in hormone-dependent breast cancer cells inhibits cell growth and induces differentiation. *Oncogene*, 17:425-432.
86. Bagella L., MacLachlan T.K., Buono R. J., Pisano M.M., Giordano A., De Luca A. (1998): Cloning of murine CDK9/PITALRE and its tissue specific involvement. *J. Cell. Physiol.*, 177:206-213.
87. Howard CM, Claudio PP, Gallia GL, Gordon J, Giordano GG, Hauck WW, Khalili K, Giordano A. (1998): Retinoblastoma-related protein pRb2/p130 and suppression of tumor growth in vivo. *J. Nat. Cancer Inst.*, 19:1451-1460.
88. Ravi R., Mookerrjee B., van Hensbergen Y., Bedi C. G, Giordano A., El-Deiry W., Fuchs J.E., Bedi A. (1998): p53-Mediated repression of Nuclear Factor-kB Rel A via the transcriptional integrator p300. *Cancer Research.*, 58:4531-4536.
89. Stiegler P., De Luca A., Bagella L., Giordano A. (1998): The COOH-terminal region of pRb2/p130 binds to histone deacetylase 1 (HDAC1), enhancing transcriptional repression of E2F-dependent cyclin A promoter. *Cancer Research.*, 58:5049-5052.
90. MacLachlan TK and Giordano A. (1998): TRAF2 expression in differentiated muscle. *J. Cell. Biochem.*, 71:461-466.
91. MacLachlan TK, Sang N, De Luca A, Puri PL, Levrero M, Giordano A. (1998): Binding of CDK9 with TRAF2. *J. Cell. Biochem.*, 71:467-478.
92. Stiegler P., Kasten M., Giordano A. (1998): The RB family of cell cycle regulatory factors. *J. Cell. Biochem. Suppl.*, 30-31:30-36.
93. De Falco G. and Giordano A. (1998): CDK9 (PITALRE): a multifunctional cdc2-related kinase, *J. Cell. Physiol.*, 177:501-506.
94. Giordano A., Ménard S. (1999): Ectopic expression of pRB2/p130 suppresses the tumorigenicity of the c-erb-2-overexpressing SKOV3 tumor cell line. *Oncogene*, 18:651-656.
95. Neri L.M., Raymond Y., Giordano A., Capitani S., Martelli A.M. (1999): Lamin A is part of the internal nucleoskeleton of human erythroleukemia cells. *J. Cell. Physiol.*, 178:284-295.

96. Minimo C., Bibbo M., Claudio P.P., De Luca A., Giordano A. (1999): The role of pRb2/p130 protein in diagnosing lung carcinoma on fine needle aspiration biopsies. *Pathol Res and Pract.*, 195: 67-70.
97. Stiegler P., Lotan R., Giordano A. (1999): From cell cycle regulation to angiogenesis: a dialogue between the basic and clinical sciences. *J. Cell. Physiol.*, 179: 233-236.
98. Caputi M., Gröeger A. M., Esposito V., Dean C., De Luca A., Pacilio C., Muller M.R, Giordano G.G., Baldi F., Wölner E., Giordano A. (1999): Prognostic role of Cyclin D1 in lung cancer. Relationship to Proliferating Cell Nuclear Antigen. *Amer J. Resp. Cell and Molec. Biol.*, 20:746-750.
99. Megha T., Lazzi S., Ferrari F., Vatti R., Howard M. C., Cevenini G., Leoncini L., Luzi P., Giordano A., Tosi P. (1999): Expression of the G2-M checkpoint regulators Cyclin B1 and p34CDC2 in breast cancer: A correlation with cellular kinetics. *Anticancer Res.*, 19:163-170.
100. Gröeger A. M., Caputi M., Esposito V., De Luca A., Salat A., Murabito M., Giordano G.G., Baldi F., Giordano A., Wölner E. (1999): BCL-2 protein expression correlates with nodal status in non small cell lung cancer. *Anticancer Res.*, 19:821-824
101. Caputi M., Gröeger A. M., Esposito V., De Luca A., Murabito M., Tahir T., Giordano G.G., Baldi F., Giordano A., Wölner E. (1999): Frequent high expression of Bax Pro-apoptotic protein in non-small cell lung cancer. *Anticancer Res.*, 19: 825-828.
102. Galderisi U., Melone M.A.B., Galano G., Cascino A., Giordano A. and Cipollaro M. (1999): Antisense inhibitory effect: A comparison between 3'-partial and full phosphorothioate antisense oligonucleotides. *J. Cell. Biochem.* 74: 31-37.
103. Giordano A. and Romano G. (1999): Gene therapy: Where are we going? *La Clinica Terapeutica*, 150:3-4.
104. Pucci B., Giordano A. (1999): Cell Cycle and Cancer. *La Clinica Terapeutica*, 150:135-141.
105. Massaro-Giordano M., Baldi G, Baldi A., Giordano A. (1999): Differential expression of the retinoblastoma gene family members in choroidal melanoma: prognostic significance. *Clinical Cancer Research*, 5:1455-1458.
106. Numata S., Claudio P.P., Dean C., Giordano A., Croce C.M. (1999): Bdp: a new member of a family of DNA binding proteins, associates with the retinoblastoma gene product. *Cancer Res.*, 59:3741-3747
107. Masciullo V., Sgambato A., Pacilio C., Pucci B., Ferrandina G., Palazzo J., Carbone A., Mancuso S., Scambia G., Giordano A. (1999): Frequent loss of expression of the cyclin-dependent kinase inhibitor p27 in epithelial ovarian cancer. *Cancer Res.*, 59:3790-3794.
108. Romano G., Pacilio C., Giordano A. (1999): Gene transfer technology in therapy: Current applications and future goals. *Stem Cells*, 17:191-202.
109. Majello B., Napolitano G., Giordano A., Lania L. (1999): Transcriptional regulation by targeted recruitment of cyclin-dependent CDK9 kinase in vivo. *Oncogene*, 18:4598-4605.
110. Napolitano G., Licciardo P., Gallo P., Majello B., Giordano A., Lania L. (1999): The CDK9-associated Cyclins T1 and T2 exert opposite effects on HIV-1 Tat activity. *AIDS*, 13:1453-1459.
111. Gröeger A. M., Caputi M., Esposito V., De Luca A., Bagella L., Pacilio C., Klepetko W., Giordano G.G., Baldi F., Kaiser H.E., Wölner E., Giordano A. (1999): Independent prognostic role of p16 expression in lung cancer. *J. Thorac. Cardiovasc. Surg.*, 118:529-535.
112. Stiegler P., Giordano A. (1999): Role of pRb2/p130 in cellular growth regulation. *Anal. Quant. Cytol. Histol.*, 21/4: 363-366.
113. Neri L.M., Raymond Y., Giordano A., Borgatti P., Marchisio M., Capitani S., Martelli A. M. (1999): Spatial distribution of lamin A and B1 in the K562 cell nuclear matrix stabilized with metal ions. *J. Cell. Biochem.*, 75:36-45.
114. Leoncini L., Cossu A., Megha T., Bellan C., Lazzi S., Luzi P., Tosi P., Barbini P., Cevenini G., Pileri P., Giordano A., Laissue J.A., Kraft R., Cottier H. (1999): Expression of p34cdc2 and cyclins A and B compared to other proliferative features of non-Hodgkin's lymphomas: A multivariate cluster analysis
99. Pupa S.M, Howard C. M., Invernizzi A. M., De Vecchi R., Giani C., Claudio P. P., Colnaghi M.I., *Int. J. Cancer*, 83:203-209.
115. Pucci B., Bellincampi L., Tafani M., Masciullo V., Melino G., Giordano A. (1999): Paclitaxel induces apoptosis in Saos-2 with CD95L upregulation and Bcl-2 phosphorylation. *Exp. Cell Res.*, 252:134-143.
116. Krynska B., Del Valle L., Croul S., Gordon J., Katsetos C., Carbone M., Giordano A., Khalili K. (1999): Detection of human neurotropic JC virus DNA sequence and expression of the viral oncogenic protein in pediatric medulloblastomas. *Proc. Natl. Acad. Sci.*, 96:11519-24.
117. Giordano A. and Avantaggiati M.L. (1999): p300 and CBP : Partners for Life and Death. *J. Cell. Physiol.*, 181:218-230.

118. Galderisi U., Cascino A., Giordano A. (1999): Antisense Oligonucleotides as Therapeutic Agents. *J. Cell. Physiol.*, 181:251-257.
119. Darbinyan N., Gallia G.L., Kundu M., Shcherbik N., Tretiakova A., Giordano A., Khalili K. (1999): Association of Pura and E2F-1 suppresses transcriptional activity of E2F-1. *Oncogene*, 18:6398-6402.
120. Claudio P.P., Fratta L., Farina F., Howard C. M., Stassi G., Numata S., Pacilio C., Davis A., Lavitrano M., Volpe M., Wilson J.M., Trimarco B., Giordano A., Condorelli G. (1999): Adenoviral RB2/p130 gene transfer inhibits smooth muscle cell proliferation and prevents restenosis following angioplasty. *Circul.Res.*, 85:1032-1039.
121. Romano G., Kasten M., De Falco G., Micheli P., Khalili K., Giordano A. (1999): The regulatory function of Cdk9 and Cyclin T1 in HIV Tat transactivation pathway. *J. Cell. Biochem.*, 75:357-368.
122. Bonetto F., Fanciulli M., Battista T., De Luca A., Russo P., Bruno C., De Angelis R., Di Padova M. Giordano A., Felsani A., Paggi M. (1999): Interaction between the Rb2/p130 C-terminal domain and the N-terminal portion of cyclin D3. *J. Cell. Biochem.*, 75:698-709.
123. Van Gurp F.M., Pratap J., Luong M., Javed A., Hoffmann H., Giordano A., Stein L.J., Neufeld J.E., Lian B. J., Stein S.G., van Wijnen A.J. (1999): The CCAAT displacement protein/cut homeodomain protein represses osteocalcin gene transcription and forms complexes with the Retinoblastoma protein-related p107 and cyclin A. *Cancer Res.*, 59:5980-5988.
124. Leoncini L., Bellan C., Cossu A., Claudio P.P., Lazzi S., Cinti C., Cevenini G., Megha T., Laurini L., Luzi P., Fraternali Orcioni G., Piccioli M., Pileri S., Giardino G., Tosi P., Giordano A. (1999): Retinoblastoma-related p107 and pRb2/p130 proteins in malignant lymphomas: Distinct mechanisms of cell growth control. *Clin. Cancer Res.*, 12:4065-4072.
125. Setoguchi M., Leri A., Wang S., Liu Y., De Luca A., Giordano A., Hintze H. T., Kajstura J., Anversa P. (1999): Activation of cyclins and cyclin-dependent kinases, DNA synthesis, and myocyte mitotic division in pacing-induced hearth failure in dogs. *Lab Invest.*, 79:1545-1558
126. Romano G., Kasten M., Giordano A. (1999): Current understanding of AIDS pathogenesis. *Anticancer Res.*, 19:3157-3166.
127. Claudio P.P., Howard C.M., Fu Y., Cinti C., Califano, L., Micheli P., Mercer E.W., Caputi, M., Giordano A. (2000): Mutations in the retinoblastoma-related gene RB2/p130 in primary nasopharyngeal carcinoma. *Cancer Res.*, 60:8-12.
128. Claudio P.P., Howard C. M., Pacilio C., Cinti C., Romano G., Minimo C., Maraldi N.M., Minna J.D., Gelbert L., Leoncini L., Tosi G.M., Micheli P., Caputi M., Giordano G.G. and Giordano A. (2000): Mutations in the Retinoblastoma-Related Gene RB2/p130 in lung tumors and suppression of tumor growth in vivo by Retroviral-mediated Gene Transfer. *Cancer Res.*, 60:372-382.
129. Cinti C, Claudio PP, Howard CM, Neri L.M., Maraldi N.M., Fu Y., Leoncini L., Tosi G.M., and Maraldi N.M., Giordano A. (2000): Genetic alterations disrupting the nuclear localization of the retinoblastoma related gene RB2/p130 in human cell lines and primary tumors. *Cancer Res.*, 60:383-389
130. De Falco G., Bagella L., Claudio P.P., De Luca A., Fu Y., Calabretta B., Sala A., Giordano A. (2000): Physical interaction between CDK9 and B-Myb results in suppression of B-myb gene autoregulation. *Oncogene*, 19:373-379.
131. Romano G., Micheli P., Pacilio C., Giordano A. (2000): Latest developments in gene transfer technology: achievements, perspectives and controversies over therapeutic applications. *Stem Cells*, 18:19-39.
132. Pagnini U., Pacilio C., Florio S., Crispino A., Claudio P.P., Giordano A., Pagnini G. (2000): Medroxyprogesterone acetate increases anthracyclines uptake in chronic lymphatic cells: Role of nitric oxide and lipid peroxidation. *Anticancer Res.*, 20:33-42.
133. Cinti C., Leoncini L., Nyongo A., Ferrari F., Lazzi S., Bellan C., Vatti R., Zamparelli A., Cevenini G., Tosi GM., Claudio PP, Maraldi NM, Tosi P., Giordano A. (2000): Genetic alterations of the retinoblastoma related gene RB2/p130 identify different pathogenetic mechanism in and among Burkitt's lymphoma subtypes. *Am. J. Path.*, 156:751-760.
134. Romano G. and Giordano A. (2000): Gene therapy after decade of clinicals trials. *La Clinica Terapeutica*, 151:63-64.
135. Claudio P.P., Caputi M., Giordano A. (2000): Gene therapy models. The Rb2/p130 gene: The latest weapon in the war against lung cancer? *Clin Canc. Res.*, 6:754-764.

136. Howard C.M, Claudio P.P, De Luca A., Stiegler P., Iori F.P., Safdar N.M., Caputi M., Khalili K., Giordano A. (2000): Inducible pRb2/p130 expression and growth suppressive mechanisms: Evidence of a pRb2/p130, p27Kip1 and Cyclin E negative feedback regulatory loop. *Cancer Res.*, 60:2737-44.
137. Bagella L., De Luca A., Siracusa L.D., Giordano A. (2000): Genomic organization, promoter analysis, and chromosomal mapping of the mouse gene encoding Cdk9. *J. of Cell. Biochem.*, 78:170-178.
138. Croul S., Lublin F. D., Del Valle L., Oshinsky R.J., Giordano A., Khalili K., Ritchie C.K. (2000): The cellular response of JC Virus T-Antigen induced brain tumor implants to a murine intra-ocular model. *J. of Neuroimmunol.*, 106:181-188.
139. Leoncini L., Lazzi S., Scano D., Mura A., Onida A., Massarelli G., Tosi P., Barbini P., Cevenini G., Massai M. R., Pileri S, Falini B., Giordano A., Kraft R., Laissue J. A., Cottier H. (2000): Expression of the ALK protein by anaplastic large-cell lymphomas correlates with high proliferative activity. *Int. J. Cancer.*, 86:777-781.
140. Cinti C., Claudio P.P., De Luca A., Cuccurese M., Howard CM, D'Esposito M., Paggi M. G., La Sala D., Azzoni L., Halazonetis T.D., Giordano A., Maraldi N.M. (2000): A serine 37 mutation associated with two missense mutations at highly conserved regions of p53 affect pro-apoptotic genes expression in a T-lymphoblastoid drug resistant cell line. *Oncogene*, 19:5098-105.
141. Ritchie K. C., Giordano A., Khalili K. (2000): Integrin involvement in Glioblastoma Multiforme: Possible regulation by NF-kappa B. *J. Cell. Physiol.*, 184:214-221.
142. Napolitano G, Majello B, Licciardo P, Giordano A and Lania L. (2000): The transcriptional activity of P-TEFb kinase in vivo requires the C-terminal domain of RNA polymerase II. *Gene.*, 254:139-145.
143. Marone M, Pierelli L, Mozzetti S, Masciullo V, Bonanno G, Morosetti R, Rutella S, Battaglia A, Rumi C, Mancuso S, Leone G, Giordano A, Scambia G. (2000): High cyclin-dependent kinase inhibitors in Bcl-2 and Bcl-xL-expressing CD34+-proliferating haematopoietic progenitors. *Br J Haematol.*, 110:654-62.
144. Pucci B., Kasten M., Giordano A. (2000): Cell Cycle and Apoptosis. *Neoplasia*, 4:291-299.
145. Masciullo V, Khalili K, Giordano A. (2000): The Rb family of cell cycle regulatory factors: Clinical implications. *Int J Oncol.*, 17:897-902.
146. Stiegler P., Giordano A, (2000): International Conference on Basic and Clinical Aspects of Cell Cycle Control. *J. Cell. Physiol.*, 185: 485-485.
147. Cinti C., Giordano A. (2000): The retinoblastoma gene family: its role in cancer onset and progression. *Emerging Therapeutics Targets.*, 4:765-783.
148. Masciullo V., Ferrandina G., Pucci B., Fanfani F., Lovergine S., Palazzo J., Zannoni G., Mancuso S., Scambia G. and Giordano A. (2000): p27kip1 expression is associated with clinical outcome in advanced epithelial ovarian cancer: Multivariate analysis. *Clin. Cancer Res*, 6:4816-4822.
149. Claudio P.P., Stiegler P., Howard C.M., Bellan C., Minimo C., Tosi G.M., Rak J., Kovatich A., De Fazio P., Micheli P., Leoncini L., Caputi M., Kerbel R., Giordano GG, and Giordano A. (2001): RB2/p130 gene enhanced expression down-regulates Vascular Epithelial Growth Factor expression and inhibits Angiogenesis in vivo. *Cancer Res.*, 61:462-468.
150. Giordano, Antonio, "Gene Targets for Modulating Cell Growth." *Encyclopedia of Bioscience*. 2001.
151. Zamparelli A., Masciullo V., Bovicelli A., Santini D., Ferrandina G., Minimo C., Terzano P., Costa S., Cinti C., Ceccarelli C., Mancuso S., Scambia G., Bovicelli L., Giordano A. (2001): Expression of cell-cycle-associated proteins pRB2/p130 and p27 in vulvar squamous cell carcinomas. *Human Pathology* 32:4-9.
152. Testa J.R., Giordano A. (2001): SV40 and cell cycle perturbations in malignant mesothelioma. *Semin Cancer Biol.*, 31-38.
153. Galderisi U., Melone M.A., Jori F.P., Piegari E., Di Bernardo G., Cipollaro M., Cascino A., Peluso G., Claudio P.P., Giordano A. (2001): pRb2/p130 gene overexpression induces astrocyte differentiation. *Mol Cell Neurosci*, 17:415-425.
154. Claudio P.P, Cinti C., Giordano A. (2001): Application of the PRINS technique to titer recombinant virus and evaluation of the efficiency of viral transduction. *Anal Biochem.*, 291:96-101.
155. Kasten M, Giordano A. (2001): Cdk10, a Cdc2-related kinase, associates with the Ets2 transcription factor and modulates its transactivation activity. *Oncogene*, 20:1832-8.
156. Susini T, Massi D, Paglierani M, Masciullo V, Scambia G, Giordano A, Amunni G, Massi G, Taddei GL. (2001): Expression of the retinoblastoma-related gene Rb2/p130 is downregulated in atypical endometrial hyperplasia and adenocarcinoma. *Hum Pathol*, 32:360-7.
157. Fraldi A., Licciardo P., Majello B., Giordano A., Lania L. (2001): Distinct regions of cyclinT1 are required for binding to CDK9 and for recruitment to the HIV-1 Tat/TAR complex. *J. Cell. Biochem.*, 36:247-253.

158. De Luca A., Russo P., Severino A., Baldi A., Battista T., Cavallotti I., De Luca L., Baldi F., Giordano A., Paggi M.G. (2001): Pattern of expression of cyclin T1 in human tissues. *Journal Histochem Cytochem*, 49:685-692.
159. De Luca A., Tosolini A., Russo P., Severino A., Baldi A., De Luca L., Cavallotti I., Baldi F., Giordano A., Testa J.R., and Paggi M.G. (2001): Cyclin T2A gene maps on human chromosome 2q21. *Journal Histochem Cytochem*, 49:693-698.
160. Paggi M.G., Bonetto F., Severino A., Baldi A., Battista T., Bucci F., Felsani A., Lombardi D., Giordano A. (2001): The retinoblastoma-related Rb2/p130 gene is an effector downstream of the AP-2 differentiation program. *Oncogene*, 20:2570-2578.
161. Lombardi D., Palescandolo E., Giordano A., Paggi M.G. (2001): Interplay between the antimetastatic nm23 and the Retinoblastoma-related Rb2/p130 genes in promoting neuronal differentiation of PC12 cells. *Cell Death & Differ*, 8:470-476.
162. Paggi M.G., Giordano A. (2001): Who is the boss in the Retinoblastoma family? The point of view of Rb2/p130, the little brother. *Cancer Research*, 61:4651-4654.
163. Bovicelli A., Giordano A. (2001): The RB2/p130 gene: a new player in gynecologic cancer. *Women Oncol Rev.*, 1:109-115.
164. Sang N, Severino A. , Russo P. , Baldi A. , Giordano A. , Mileo A.M. , Paggi M.G. De Luca A (2001): RACK1 interacts with E1A and rescues E1A-induced yeast growth inhibition and mammalian cell apoptosis. *J Biol Chem*, 276:27026-27033.
165. Claudio, P.P., Cinti, C., Paggi, M. G., Giordano, A. (2001): Letters to the Editor. Reply. *Cancer Res*, 61:5952-5953.
166. Gan DD, Reiss K., Carrill T., Del Valle L., Croul S., Giordano A., Fishman P., Khalili K. (2001): Involvement of Wnt signaling Pathway in Murine medulloblastoma induced by human neurotropic JC Virus. *Oncogene*, 20:4864-70.
167. Simone C., Giordano A. (2001) New insight in cdk9 function: from Tat to MyoD: *Front. in Biosci.*, 6:1073-1082.
168. Zini N., Trimarchi C., Claudio P.P., Stiegler P., Marinelli F., Maltarello M.C., La Sala D., De Falco G., Russo G., Ammirati G., Maraldi N.M., Giordano A., Cinti C. (2001): pRb2/p130 and p107 control cell growth by multiple strategies and in association with different compartments within the nucleus. *J. Cell. Physiol.*, 189:34-44.
169. Stiegler P., Giordano A. (2001): The Family of Retinoblastoma Proteins. *Critical Reviews in Eukaryotic Gene Expression*, 11:69-86.
170. Del Valle L., Lorenzana C., Giordano A., Khalili K., Croul S (2001): Expression of a Human Polyomavirus Oncoprotein and Tumor Suppressor Proteins in Medulloblastomas *Mol Pathol.*, 54:11331-337.
171. Puri P.L., Iezzi S., Stiegler P., Chen T.T., Schiltz R.L., Muscat G.E., Giordano A., Kedes L., Wang J.Y., Sartorelli V. (2001): Class I Histone Deacetylases sequentially interact with MyoD and pRb during skeletal myogenesis. *Mol. Cell*, 8:885-97.
172. Darbinyan N., Sawaya B.E., Khalili K., Jaffe N., Wortman B, Giordano A., Amini S. (2001): Functional interaction between cyclin T/cdk9 and Pura determines the level of TNF α promoter activation by Tat in glial cells. *J. of Neuroimmunol.*, 121:3-11.
173. Zhang D., Vuocolo S, Masciullo V., Sava T., Giordano A., Soprano D.R. Soprano K.J. (2001): Cell Cycle Genes as targets of retinoid induced ovarian tumor cell growth suppression. *Oncogene*, 20:7935-44.
174. Jori F.P., Galderisi U., Piegari E., Peluso G., Cipollaro M., Cascino A., Giordano A. Melone M.A. (2001): Rb2/p130 ectopic gene expression in neuroblastoma stem cells: evidence of cell fate restriction and induction of differentiation. *Biochem. J.*, 360:569-577.
175. Gusterson R., Brar B., Faulkes D., Giordano A., Chrivia J., Latchman D. (2002): CBP and p300 are activated via Phenylephrine through the p42/p44 MAPK cascade. *J Biol Chem*, 277:2517-2524.
176. Yuan W. L., Giordano A. (2002): Acetyltransferase Machinery Conserved in p300/CBP-Family Proteins. *Oncogene*, 21:2253-2260.
177. Sang N, Caro J, Giordano A. (2002): Adenoviral E1A everlasting tool, versatile applications, continuous contributions and new hypotheses. *Frontiers in Bioscience*, 7:407-413.
178. Pagnini U., Florio S, Crispino L., Pagnini G., Colangelo D., Rocco D., Pacilio C., Pacilio M., Macaluso M, Giordano A. (2002): Direct effect of a Gonadotropin-Releasing Hormone agonist on the growth of canine mammary tumour cells. *J Cell Biochem*, 85:470-481
179. Simone C., Resta N., Bagella L., Giordano A., Guanti G. (2002): Cyclin E and chromosome instability (CIN) in colorectal cancer. *Mol Pathol.*, 55:200-3.

180. De Falco G., Giordano A. (2002): CDK9: From Basal Transcription to Cancer and AIDS. *Cancer Biol and Therapy*, 1:342-347.
181. Caputi M., Esposito V., Mancini A., Giordano A.: (2002): Air pollution and respiratory pathology: lung cancer. *Monaldi Arch Chest Dis.*, 57:177-79.
182. Claudio PP, Tonini T, Giordano A. (2002): The retinoblastoma family: twins or distant cousins? *Genome Biol.*, 3:3012.
183. Simone C, Stiegler P, Bagella L, Pucci B, Bellan C, De Falco G, De Luca A, Guanti G, Puri PL, Giordano A. (2002): Activation of MyoD-dependent transcription by cdk9/cyclin T2. *Oncogene*, 21:4137-4148
184. Simone C., Bagella L., Bellan C., Giordano A. (2002): Physical interaction between pRb and cdk9/cyclin T2 complex. *Oncogene*, 21:4158-65.
185. Claudio P.P., Zamparelli A., Garcia F.U., Claudio L., Giuseppe G., Farina A., Bovicelli A., Cusano T., Giordano G.G., Mc Ginnis D.E., Giordano A., Cardi G. (2002): Expression of Cell-Cycle Regulated Proteins pRb2/p130, p107, p27kip1, p53, Mdm-2, and of Ki-67 (MIB-1) in Prostatic Gland Adenocarcinoma. *Clin Cancer Res.*, 8:1808-15.
186. Florio S, Pagnini U, Crispino A, Pacilio C, Crispino L, Giordano A. (2002): GnRH and steroids in cancer. *Front Biosci.*, 7:1590-608.
187. Lazzi S, Bellan C, De Falco G, Cinti C, Ferrari F, Nyongo A, Claudio PP, Tosi GM, Vatti R, Gloghini A, Carbone A, Giordano A, Leoncini L, Tosi P. (2002): Related Expression of RB2/p130 tumor-suppressor gene in AIDS-related non-Hodgkin's lymphomas: Implications for disease pathogenesis. *Hum Pathol.*, 33:723-731
188. Darbinyan A., Darbinyan A., Safak M., Radhakrishnan S., Giordano A., Khalili K., (2002): Evidence for dysregulation of cell cycle by human polyomavirus, JCV, late auxiliary protein. *Oncogene*, 21:5574-81.
189. Amini S., Clavo A., Nadraga Y, Giordano A., Khalili K., Sawaya E. B. (2002): Interplay between cdk9 and NF-kappaB factors determines the level of HIV-1 gene transcription in astrocytic cells. *Oncogene*, 21:5797-5803.
190. De Falco G., Neri L.M., Yu Z., De Luca A., De Falco M., Bellan C., Leoncini L. and Giordano A. (2002): The signal transducer gp130 binds to Cdk9, a member of the cdc2-like family of kinases. *Oncogene*, 21:7464-70
191. Sano M., Abdellatif M., Oh H., Xie M., Bagella L., Giordano A., Lloyd H. M., DeMayo F. J., Schneider M. D. (2002): Activation and function of cyclin T/cdk9 (positive transcription elongation factor-b) in cardiac muscle cell hypertrophy. *Nature Medicine*, 8:1310-17.
192. Caputi M., Groeger A.M., Esposito V., De Luca A., Masciullo V., Mancini A., Baldi F., Wolner E., Giordano A. (2002): Loss of pRb2/p130 expression is associated with unfavorable clinical outcome in lung cancer. *Clinical Cancer Research*, 8:850-56.
193. Bellan C., De Falco G., Tosi GM, Lazzi S., Ferrari F., Morbini G., Bartolomei S., Toti P., Mangiavacchi P., Cevenini G., Trimarchi C., Cinti C., Giordano A, Leoncini L., Tosi P., Cottier H. (2002): Missing expression of pRb2/p130 in human retinoblastomas is associated with reduced apoptosis and lesser differentiation. *Invest. Ophthalm. and Visual Science*, 43:3602-8.
194. Pucci B, Claudio PP, Masciullo V, Bellincampi L, Terrinoni A, Khalili K, Melino G, Giordano A. (2002): pRb2/p130 promotes radiation-induced cell death in the glioblastoma cell line HJC12 by p73 upregulation and Bcl-2 downregulation. *Oncogene*, 21:5897-905.
195. Lavia P, Mileo AM, Giordano A, Paggi MG. (2003): Emerging roles of DNA tumor viruses in cell proliferation: new insights into genomic instability.
196. Bellan C., Lazzi S., De Falco G., Nyongo A., Giordano A, Leoncini (2003): Burkitt lymphoma: new insight into molecular pathogenesis. *J. Clin. Pathol.*, 56:188-192.
197. Gallo G., Giarnieri E., Bosco S., Cappelli C., Alderisio M., Giovagnoli MR, Giordano A., Vecchione A., (2003): Aberrant Bcl-2 and Bax protein expression related to chemotherapy response in neuroblastoma. *Anticancer Res.*, 23:777-784.
198. De Martino L., Marfe G., Di Stefano C., Pagnini U., Florio S., Crispino L., Iovane G., Macaluso M., Giordano A. (2003): Interference of bovine herpesvirus 1 (BHV-1) in sorbitol- Induced apoptosis. *J Cell Biochem.*, 89:373-380.
199. Macaluso M, Cinti C., Russo G., Russo A., Giordano A. (2003). pRb2/p130-E2F4/5-HDAC1-SUV39H1-p300 and pRb2/p130-E2F4/5-HDAC1-SUV39H1-DNMT1 multimolecular complexes mediate the transcription of estrogen receptor- in breast cancer. *Oncogene*, 22:3511-3517.

200. La Sala D, Macaluso M, Trimarchi C, Giordano A and Cinti C. (2003). Triggering of p73-dependent apoptosis in osteosarcoma is under the control of E2Fs-pRb2/p130 complexes. *Oncogene*, 22:3518-3529.
201. Florio S., Crispino L., Ciarcia R., Vacca G., Pagnini U., de Matteis A., Pacilio C., D'Andrilli G., Kumar C., Giordano A. (2003): MPA increases idarubicin-induced apoptosis in chronic lymphatic leukaemia cells via caspase-3. *J Cell Biochem.*, 89:747-754.
202. Gallo G., Bibbo M., Bagella L., Zamparelli A., Sanseverino F., Giovagnoli MR, Vecchione A., Giordano A. (2003): Study of viral integration of HPV16 in young patients with LSIL. *J Clin. Pathol.*, 56:532-536.
203. Galderisi U., Jori F. P., Giordano A. (2003): Cell Cycle regulation and neural differentiation. *Oncogene*, 22:5208-5219.
204. De Falco G., Bellan C., Lazzi S., Claudio P.P., La Sala D., Cinti C., Tosi P., Giordano A., Leoncini L. (2003): The interaction between HIV-1 Tat and pRb2/p130: a possible mechanism in the pathogenesis of AIDS-related neoplasms. *Oncogene*, 22:6214-6219.
205. Russo G., Zegar C., Giordano A. (2003): Advantages and limitations of microarray technology in human cancer. *Oncogene*, 22:6497-507.
206. Macaluso M., Paggi M.G., Giordano A. (2003): Genetic and epigenetic alterations as hallmarks of the intricate road to cancer. *Oncogene*, 22:6472-8.
207. Giordano A., Maio M. Biomolecular strategies for therapeutic intervention in cancer. *Oncogene* 2003, 22:6469.
208. Russo G., Claudio P.P., Fu Y., Stiegler P., Yu Z., Macaluso M., Giordano A. (2003): pRb2/p130 target genes in non-small lung cancer cells identified by microarray analysis. *Oncogene*, 22:6959-69.
209. Masciullo V, Susini T, Zamparelli A, Bovicelli A, Minimo C, Massi D, Taddei G, Maggiano N, De Iaco P, Ceccaroni M, Bovicelli L, Amunni G, Mancuso S, Scambia G, Giordano A. (2003): Frequent loss of expression of the cyclin-dependent kinase inhibitor p27(Kip1) in estrogen-related Endometrial adenocarcinomas. *Clin. Cancer. Res.*, 14:5332-210.
210. Sanseverino F., Torricelli M., Petraglia F., Giordano A. (2003): Role of the Retinoblastoma Family in Gynecological Cancer. *Cancer Biol and Therapy*, 6:636-641
211. Romano G., Claudio PP, Tonini T., Giordano A. Human immunodeficiency virus type 1 (HIV-1) derived vectors: safety considerations and controversy over therapeutic applications. *Eur. J. Derm.* 2003, 13:424-9.
212. Jori FP, Galderisi U, Piegari E, Cipollaro M, Cascino A, Peluso G, Cotrufo R, Giordano A, Melone MAEGF-responsive rat neural stem cells: molecular follow-up of neuron and astrocyte differentiation in vitro. *J Cell Physiol.* 2003, 195:220-33.
213. Gan DD, Macaluso M., Cinti C., Khalili K., Giordano A., (2003): How does a normal human cell become a cancer cell? *J Exp Clin Cancer Res.*, 22:509-516.
214. Simone C., Stiegler P., Forcales SV., Bagella L., De Luca A., Sartorelli V., Giordano A., Puri PL. (2004): Deacetylase recruitment by the C/H3 domain of the acetyltransferase p300. *Oncogene*, 23:2177-87.
215. Severino A., Baldi A., Cottone G., Han M., Sang N., Giordano A., Mileo A.M., Paggi M.G., De Luca A. (2004): RACK1 is a functional target of the E1A oncoprotein. *J Cell Physiol.*, 199:134-139.
216. Pagnini U., Montagnaro S., De Martino L., Florio S., Iovane G., Pacilio M., Gabellini C., Marsili S., Giordano A. (2004): The involvement of oxidative stress in bovine herpesvirus type 4-mediated apoptosis. *Frontiers in Bioscience*, 9:2106-14.
217. D'Andrilli G., Masciullo V., Bagella L., Tonini T., Minimo C., Zannoni GF, Giuntoli RL, Carlson J. A., Soprano D.R., Soprano KJ, Scambia G., Giordano A. (2004): Frequent loss of pRb2/p130 in human ovarian carcinoma. *Clin. Cancer. Res.*, 10:3098-103.
218. Tonini T., Bagella L., D'Andrilli C., Claudio PP, Giordano A., (2004): Ezh2 reduces the ability of HDAC1-dependent pRb2/p130 transcriptional repression of cyclin A. *Oncogene*, 23:4930-7.
219. Bellan C., De Falco G., Lazzi S., Micheli P., Vicidomini S., Schurfeld K., Amato T., Palumbo A., Bagella L., Sabattini E., Bartolommei S., Hummel M., Pileri S., Tosi P., Leoncini L., Giordano A. (2004): CDK9. Cyclin T1 expression during lymphoid differentiation and malignant transformation. *J Clin Pathol.*, 203:946-52.
220. Jori FP, Napolitano MA, Melone MA, Cipollaro M, Cascino A, Giordano A, Galderisi U. (2004): Role of RB and RB2/p130 genes in marrow stromal stem cells plasticity. *J Cell Physiol.*, 200: 201-12.
221. Claudio PP, Russo G, Kumar CA, Minimo C, Farina A, Tutton S, Nuzzo G, Giuliani F, Angeloni G, Maria V, Vecchio FM, Campli CD, Giordano A. (2004): pRb2/p130, vascular endothelial growth factor, p27(KIP1), and proliferating cell nuclear antigen expression in hepatocellular carcinoma: their clinical significance. *Clin Cancer Res.*, 10:3509-17.

222. Giordano A, Macaluso M. (2004): (Editorial) Prognostic significance of pRb family and p16 (INK4) alterations in colorectal cancer: an interesting point of you in a complex net of molecular signals. *Human Pathol.*,35:1171-1172.
223. Jori FP, Napolitano MA, Melone MA, Cipollaro M, Cascino A, Altucci L., Peluso G., Giordano A, Galderisi U. (2004): Molecular pathways involved in neural in vitro differentiation of marrow stromal stem cells. *J Cell Biochem.*, 94:645-55.
224. Macaluso M, Giordano A. (2004): How does DNA methylation mark the fate of cells? *Tumori.* 367-372.
225. Wang J.Y., Del Valle F., Peruzzi F., Trojanek A., Giordano A., Khalili K., Reiss K.(2004): Polyomaviruses and Cancer - Interplay between viral proteins and signal transduction pathways. *J Exp Clin Cancer Res.*, 23:373-383.
226. Sang N, Fath DM, Giordano A. (2004): A gene highly expressed in tumor cells encodes novel structure proteins. *Oncogene*, 23:9438-9446.
227. D'Andrilli G, Kumar C, Scambia G, Giordano A. (2004): Cell cycle genes in ovarian cancer: steps toward earlier diagnosis and novel therapies. *Clin Cancer Res*, 10:8132-8141.
228. Tonini T., Gabellini C., Bagella L., D'Andrilli G, Masciullo V., Romano G., Scambia G., Zupi G., Giordano A. (2004): pRb2/p130 decrease sensitivity to apoptosis induced by camptothecin and doxorubicin but not by taxol. *Clin Cancer Res*, 10:8085-93.
229. Montanari M, Boninsegna A, Faraglia B, Coco C, Giordano A, Cittadini A, Sgambato A. (2005) Increased expression of geminin stimulates the growth of mammary epithelial cells and is a frequent event in human tumors. *J Cell Physiol.*, 202:215-22.
230. Jori FP, Melone MA, Napolitano MA, Cipollaro M, Cascino A, Giordano A, Galderisi U.(2005):RB and RB2/p130 genes demonstrate both specific and overlapping functions during the early steps of in vitro neural differentiation of marrow stromal stem cells. *Cell Death Differ.*, 12:65-77
231. Normanno N., De Luca A., Maiello M.R., Mancino M, D'Antonio A, Macaluso, Caponigro F and Giordano A. (2005): Epidermal Growth Factor Receptor (EGFR) Tyrosine Kinase Inhibitors in Breast Cancer: Current Status and Future Development. *Frontiers in Bioscience*, 10:2611-7.
232. Russo G, Zamparelli A, Howard CM, Minimo C, Bellan C, Carillo G, Califano L, Leoncini L, Giordano A, Claudio PP. (2005): Expression of cell cycle-regulated proteins pRB2/p130, p107, E2F4, p27, and pCNA in salivary gland tumors: prognostic and diagnostic implications. *Clin Cancer Res.*, 11:3265-73.
233. Mischitelli M, Fioriti D, Videtta M, Degener AM, Antinori A, Cinque P, Giordano A, Pietropaolo V., (2005): Investigation on the role of cell transcriptional factor Sp1 and HIV-1 TAT protein in PML onset or development. *J Cell Physiol.*, 204:913-8.
234. Caraglia M, Marra M, Mancinelli F, D'ambrosio G, Massa R, Giordano A, Budillon A, Abbruzzese A, Bismuto E., (2005): Electromagnetic fields at mobile phone frequency induce apoptosis and inactivation of the multi-chaperone complex in human epidermoid cancer cells. *J Cell Physiol*, 204:539-48.
235. Fioriti D, Videtta M, Mischitelli M, Degener AM, Russo G, Giordano A, Pietropaolo V, (2005): The human polyomavirus BK: Potential role in cancer. *J Cell Physiol*, 204:402-6.
236. De Falco G, Bellan C, D'Amuri A, Angeloni G, Leucci E, Giordano A, Leoncini L., (2005): Cdk9 Regulates Neural Differentiation and Its Expression Correlates with the Differentiation Grade of Neuroblastoma and PNET Tumors. *Cancer Biol Ther.*, 4:277-81.
237. Macaluso M, Montanari M, and Giordano A., (2005): The regulation of ER- α transcription by pRb2/p130 in breast cancer. *Annals of Oncology*,16 Suppl. 4:iv20-iv22.
238. Sanseverino F, D'Andrilli G, Petraglia F, Giordano A. (2005): Molecular pathology of ovarian cancer. *Anal Quant Cytol Histol.*, 27:121-4.
239. Cinti C, Macaluso M and Giordano A., (2005): Tumor-specific exon 1 mutations could be the 'hit event' predisposing Rb2/p130 gene to epigenetic silencing in lung cancer. *Oncogene*, 24:5821-6.
240. Tosi G.M., Trimarchi C., Macaluso M., La Sala D., Ciccodicola A., Lazzi L., Massaro Giordano M., Caporossi A., Giordano A., Cinti C. (2005): Genetic and epigenetic alterations of RB2/p130 tumor suppressor gene in human sporadic retinoblastoma: implication for Pathogenesis and therapeutic approach. *Oncogene*, 24:5827-36.
241. Normanno N, Di Maio M, De Maio E, De Luca A, De Matteis A, Giordano A, Perrone F; NCI-Naple Breast Cancer Group. (2005): Mechanisms of endocrine resistance and novel therapeutic strategies in breast cancer. *Endocr. Relat. Cancer.*, 12:721-47.
242. Gallo G, Giordano A. (2005): Are RB proteins a potential substrate of Pin1 in the regulation of the cell cycle? *J Cell Physiology.*, 205:176-81.

243. Macaluso M, Montanari M, Cinti C, Giordano A. (2005) Modulation of cell cycle components by epigenetic and genetic events. *Semin Oncol.*, 32:452-7
244. Caputi M, Russo G, Esposito V, Mancini A, Giordano A. (2005) Role of cell-cycle regulators in lung cancer. *J Cell Physiol.*, 205:319-27.
245. White MK, Gordon J, Reiss K, Del Valle L, Croul S, Giordano A, Darbinyan A, Khalili K. (2005) Human polyomaviruses and brain tumors. *Brain Res Brain Res Rev.*, 50:69-85.
246. Caraglia M, Marra M, Budillon A, Meo G, Ricciardiello F, Bismuto E, Brachelente G, Francini G, Giordano A, Correale P, Abbruzzese A. (2005): Chemotherapy regimen GOLF induces apoptosis in colon cancer cells through multi-chaperone complex inactivation and increased Raf-1 ubiquitin-dependent degradation. *Cancer Biol Ther.*, 4:1159-67.
247. Fu M, Wang C, Rao M, Wu X, Bouras T, Zhang X, Li Z, Jiao X, Yang J, Li A, Perkins ND, Thimmapaya B, Kung AL, Munoz A, Giordano A, Lisanti MP, Pestell RG. (2005): Cyclin D1 represses p300 transactivation through a cyclin-dependent kinase-independent mechanism. *J Biol Chem.*, 280:29728-42
248. Galderisi U, Cipollaro M, Giordano A. (2006): Stem cells and brain cancer. *Cell Death Differ.* 13:5-11.
249. Sanseverino F, Santopietro R, Torricelli M, D'Andrilli G, Russo G, Cevenini G, Bovicelli A, Leoncini L, Scambia G, Petraglia F, Claudio PP, Giordano A. (2006): pRb2/p130 and VEGF Expression in Endometrial Carcinoma in Relation to Angiogenesis and Histopathologic Tumor Grade. *Cancer Biol Ther.* 5:84-8.
250. Giacinti L, Claudio PP, Lopez M, Giordano A. (2006): Epigenetic information and estrogen receptor alpha expression in breast cancer. *Oncologist.* 11:1-8.
251. Purev E., Giordano A., Soprano D., Soprano K., (2006): Interaction of PP2A Catalytic Subunit with Rd/p130 is required for All-trans Retinoic Acid Suppression of Ovarian Carcinoma Cell Growth. *J Cell Physiol.* 206:495-502.
252. Reiss K, Khalili K, Giordano A, Trojanek J. (2006): JC virus large T-antigen and IGF-I signaling system merge to affect DNA repair and genomic integrity. *J Cell Physiol.* 202:295-300.
253. Merola E, Claudio PP, Giordano A. (2006): p53 and the malignant progression of Barrett's esophagus. *J Cell Physiol.* 206:574-7.
254. Giacinti C, Bagella L, Puri PL, Giordano A, Simone C. (2006): MyoD recruits the cdk9/cyclin T2 complex on myogenic-genes regulatory regions. *J Cell Physiol.*, 206:807-13.
255. Trojanek J, Ho T, Croul S, Wang JY, Chintapalli J, Koptyra M, Giordano A, Khalili K, Reiss K. (2006): IRS-1-Rad51 nuclear interaction sensitizes JCV T-antigen positive medulloblastoma cells to genotoxic treatment. *Int J Cancer.*, 119:539-48.
256. Vogiatzi P, De Falco G, Claudio PP, Giordano A. (2006): How Does the Human RUNX3 Gene Induce Apoptosis in Gastric Cancer?: Latest Data, Reflections and Reactions. *Cancer Biol Ther.* 5:371-4.
257. Merola E, Mattioli E, Minimo C, Zuo W, Rabitti C, Cicala M, Caviglia R, Pollice L, Gabbriellini A, Giordano A, Claudio PP. (2006): Immunohistochemical evaluation of pRb2/p130, VEGF, EZH2, p53, p16, p21waf-1, p27, and PCNA in Barrett's esophagus. *J Cell Physiol.*, 207:512-9.
258. Shi B, Prisco M, Calin G, Liu CG, Russo G, Giordano A, Baserga R. (2006): Expression profiles of micro RNA in proliferating and differentiating 32D murine myeloid cells. *J Cell Physiol.* 207:706-10.
259. Claudio PP, Cui J, Ghafouri M, Mariano C, White MK, Sarak M, Sheffield JB, Giordano A, Khalili K, Amini S, Sawaya BE. (2006): Cdk9 phosphorylates p53 on serine 392 independently of CKII. *J Cell Physiol.*, 208:602-612
260. Bagella L, Giacinti C, Simone C, Giordano A. Identification of murine cdk10: (2006): Association with Ets2 transcription factor and effects on the cell cycle. *J Cell Biochem.* 99:978-85.
261. Nyagol J, Leucci E, Onnis A, De Falco G, Tigli C, Sanseverino F, Torricelli M, Palummo N, Pacenti L, Santopietro R, Spina D, Gichangi P, Muchiri L, Lazzi S, Petraglia, Leoncini L, Giordano A, (2006): The Effects of HIV-1 Tat Protein on Cell Cycle during Cervical Carcinogenesis. *Cancer Biol Ther.*, 5:684-90.
262. Del Vecchio MT, Epistolato MC, Tripodi SA, Montironi R, Giordano A. (2006): Intratubular germ cell neoplasia of unclassified type. *Anal Quant Cytol Histol.*, 28:157-70.
263. Russo A, Gregorio V, Pasqua S, Calo` S, Agnese V, Augello C, Cascio S, Badalamenti G, Fricano S, Napoli L, Giordano A, Santini D, Gebbia N & Bazan V. (2006): Ductal lavage: a way of carefully tracing the breast-secreting duct. *Future Drugs*, 3:389-393.

264. Cascio S, Bartella V, Garofalo C, Russo A, Giordano A, Surmacz E. (2006): Insulin-like growth factor 1 differently regulates estrogen receptor- dependent transcription at ERE and AP-1 sites in Breast Cancer cells. *J. Biol Chem.*, 282:3498-506.
265. Simone C., Giordano A. (2006): Abrogation of signal-dependent activation of the cdk9/cyclin t2a complex in human RD rhabdomyosarcoma cells. *Cell Death Differ.*, 14:192-5
266. Bovicelli A, D'Andrilli G, Giordano A. (2006): Multidisciplinary international conference on gynecologic cancer. *J Cell Physiol.*, 208:1-5.
267. Giacinti C, Giordano A. (2006): RB and cell cycle progression. *Oncogene*, 25:5220-7.
268. De Falco G, Giordano A (2006): pRb2/p130: a new candidate for retinoblastoma tumor formation. *Oncogene*, 25:5333-40.
269. Caracciolo V, Reiss K, Khalili K, De Falco G, Giordano A. (2006): Role of the interaction between large T antigen and Rb family members in the oncogenicity of JC virus. *Oncogene*, 25:5294-301
270. Macaluso M, Montanari M, Giordano A (2006) Rb family proteins as modulators of gene expression and new aspects regarding the interaction with chromatin remodeling enzymes. *Oncogene*, 25:5263-5267.
271. Montanari M, Macaluso M, Cittadini A, Giordano A. (2006): Role of geminin: from normal control of DNA replication to cancer formation and progression? *Cell Death Differ.*, 13:1052-6.
272. Galderisi U, Cipollaro M, Giordano A (2006): The retinoblastoma gene is involved in multiple aspects of stem cell biology. *Oncogene*, 25:5250-5256.
273. Giacinti L, Lopez M, Giordano A (2006): Clinical Trails. *Front Biosci.*, 11: 2918-23.
274. White MK, Skowronska A, Gordon J, Del Valle L, Deshmane SL, Giordano A, Khalili K. (2006): Analysis of a mutant p53 protein arising in a medulloblastoma from a mouse transgenic for the JC virus early region. *Anticancer Res.*, 26:4079-92.
275. Macaluso M, Montanari M, Marshall CM, Gambone AJ, Tosi GM, Giordano A, Massaro-Giordano M. (2006): Cytoplasmic and nuclear interaction between Rb family proteins and PAI-2: a physiological crosstalk in human corneal and conjunctival epithelial cells. *Cell Death Differ.*, 13:1515-22.
276. Macaluso M, Montanari M, Noto PB, Gregorio V, Surmacz E, Giordano A. (2006): Nuclear and cytoplasmic interaction of pRb2/p130 and ER- β in MCF-7 breast cancer cells. *Ann Oncol.*, 17 Suppl 7:vii27-vii29.
277. Mattioli E., Vogiatzi P., Sun A., Abbadessa G., Angeloni G., D'Ugo D., Trani D., Gaughan J.P., Vecchio F.M., Cevenini G., Persiani R., Giordano A., Claudio P.P.. (2007): Immunohistochemical analysis of pRb2/p130, VEGF, EZH2, p53, p16 (INK4A), p27 (KIP1), p21 (WAF1), Ki-67 expression patterns in gastric cancer. *J. Cell. Physiol.* 210:183-191.
278. Forte A, Napolitano MA, Cipollaro M, Giordano A, Cascino A, Galderisi U. (2007): An effective method for adenoviral-mediated delivery of small interfering RNA into mesenchymal stem cells. *Aug 3; J Cell Biochem.*, 100:293-302.
279. Trani D., Lucchetti C., Cassone M., D'Agostino L., Caputi M., Giordano A. (2007): Analysis of cell-cycle regulation following exposure of lung-derived cells to γ -rays. *Adv. Space Res.* 2007, Volume 39, Issue 6, p. 1026-1033.
280. Cassone M, Giordano A, Pozzi G. (2007): Bacterial DNA microarrays for clinical microbiology: the early logarithmic phase. *Front. Biosci.*, 12:2658-69.
281. Jori FP, Galderisi U, Napolitano MA, Cipollaro M, Cascino A, Giordano A, Melone MA. (2007): RB and RB2/P130 genes cooperate with extrinsic signals to promote differentiation of rat neural stem cells. *Mol Cell Neurosci.* 299-309.
282. Russo A, Calo V, Agnese V, Bruno L, Corsale S, Augello C, Gargano G, Barbera F, Cascio S, Intrivici C, Rinaldi G, Gulotta G, Macaluso M, Surmacz E, Giordano A, Gebbia N, Bazan V. (2007): BRCA1 genetic testing in 106 breast and ovarian cancer families from southern Italy (Sicily): a mutation analyses. *Breast Cancer Res Treat.* 105(3):267-76.
283. Macaluso M, Giordano A. (2007): TMPRSS2: ERG gene fusion a new genetic marker for prostate cancer progression. *Cancer Biol Ther.*, 6:46-7.
284. Vogiatzi P, Cassone M, Luzzi I, Lucchetti C, Otvos L Jr, Giordano A. (2007): Helicobacter pylori as a class I carcinogen: Physiopathology and management strategies. *J Cell Biochem.*, 102(2):264-73. Review.
285. Giordano A, Fucito A, Romano G, Marino IR. (2007): Carcinogenesis and environment: the cancer stem cell hypothesis and implications for the development of novel therapeutics and diagnostics. *Front Biosci.*, 12:3475-82.
286. Vogiatzi P, Vindigni C, Roviello F, Renieri A, Giordano A. (2007): Deciphering the underlying genetic and epigenetic events leading to gastric carcinogenesis. *J Cell Physiol.*, 211:287-95.

287. De Falco G, Leucci E, Lenze D, Piccaluga PP, Claudio PP, Onnis A, Cerino G, Nyagol J, Mwanda W, Bellan C, Hummel M, Pileri S, Tosi P, Stein H, Giordano A, Leoncini L. (2007): Gene-expression analysis identifies novel Rb2/p130 target genes in endemic Burkitt lymphoma cell lines and primary tumors. *Blood*, 110:1301-7.
288. Fioriti D, Russo G, Mischitelli M, Anzivino E, Bellizzi A, Di Monaco F, Di Silverio F, Giordano A, Chiarini F, Pietropaolo V. (2007): A case of human polyomavirus Bk infection in a patient affected by late stage prostate cancer: could viral infection be correlated with cancer progression? *Int J Immunopathol Pharmacol.*, 20:405-11.
289. Fiorito F, Pagnini U, De Martino L, Montagnaro S, Ciarcia R, Florio S, Pacilio M, Fucito A, Rossi A, Iovane G, Giordano A. (2007) 2,3,7,8-tetrachlorodibenzo-p-dioxin increases bovine herpesvirus type-1 (BHV-1) replication in madin-darby bovine kidney (MDBK) cells in vitro. *J Cell Biochem.* (2008) 1;103(1):221-33
290. Carrillo-Infante C, Abbadessa G, Bagella L, Giordano A. (2007) Viral infections as a cause of cancer (review). *Int J Oncol.*, 30:1521-8.
291. Giordano A, Galderisi U, Marino IR. (2007): From the laboratory bench to the patient's bedside: an update on clinical trials with mesenchymal stem cells. *J Cell Physiol.*, 211:27-35.
292. Graziano A, d'Aquino R, Cusella-De Angelis MG, De Francesco F, Giordano A, Laino G, Piattelli A, Traini T, De Rosa A, Papaccio G. Scaffold's surface geometry significantly affects human stem cell bone tissue engineering. *J Cell Physiol.* 2008 ;214(1):166-72.
293. Caracciolo V, Reiss K, Crozier-Fitzgerald C, De Pascali F, Macaluso M, Khalili K, Giordano A. (2007): Interplay between the retinoblastoma related pRb2/p130 and E2F-4 and -5 in relation to JCV-TAg. *J Cell Physiol.*, 212:96-104.
294. Puca A, Russo G, Romano G, Giordano A. (2007): Chaotic dynamic stabilities and instabilities of hematopoietic stem cell growth plasticity. *J Cell Physiol.*, 213(3):672-8.
295. Napolitano MA, Cipollaro M, Cascino A, Melone MA, Giordano A, Galderisi U. (2007): Brg1 chromatin remodeling factor is involved in cell growth arrest, apoptosis and senescence of rat mesenchymal stem cells. *J Cell Sci.*, 120:2904-11.
296. Romano G, Giordano A. (2007): American society of gene therapy - tenth annual meeting. *IDrugs.*, 10:534-7.
297. Leucci E, De Falco G, Onnis A, Cerino G, Cocco M, Luzzi A, Crupi D, Tigli C, Bellan C, Tosi P, Leoncini L, Giordano A. (2007): The role of the Cdk9/Cyclin T1 complex in T cell differentiation. *J Cell Physiol.*, 212:411-5.
298. Graziano A, Biunno I, De Blasio P, Giordano A. (2007): The tissue banking in cancer and stem cell research. *J Cell Physiol.*, 212:345-7.
299. Cascio S, Bartella V, Auriemma A, Johannes GJ, Russo A, Giordano A, Surmacz E. (2007): Mechanism of leptin expression in breast cancer cells: role of hypoxia-inducible factor-1 α . *Oncogene*, 27(4): 540-7
300. Leucci E, Onnis A, De Falco G, Luzzi A, Cerino G, Giordano A, Leoncini L. (2007): Silencing human Rb2/p130 with shRNA. *Cell Oncol.*, 29:265-8.
301. Bagella L, Sun A, Tonini T, Abbadessa G, Cottone G, Paggi MG, De Luca A, Claudio PP, Giordano A. (2007): A small molecule based on the pRb2/p130 spacer domain leads to inhibition of cdk2 activity, cell cycle arrest and tumor growth reduction in vivo. *Oncogene*, 26:1829-39.
302. Giordano A, Bellacchio E, Bagella L, Paggi MG. (2007): Extra-View: Interaction between the Cdk2/Cyclin A complex and a small molecule derived from the pRb2/p130 spacer domain: a theoretical model. *Cell Cycle*. 6(21):2591-3.
303. Macaluso M, Montanari M, Noto PB, Gregorio V, Bronner C, Giordano A. (2007): Epigenetic Modulation of Estrogen Receptor- α by pRb Family Proteins: A Novel Mechanism in Breast Cancer. *Cancer Res.*, 67:7731-7.
304. Giordano A, Rossi A, Romano G, Bagella L. (2007): Tumor suppressor pRb2/p130 gene and its derived product Spa310 spacer domain as perspective candidates for cancer therapy. *J Cell Physiol.*, 213:403-406
305. Achour M, Jacq X, Rondé P, Alhosin M, Charlot C, Chataigneau T, Jeanblanc M, Macaluso M, Giordano A, Hughes AD, Schini-Kerth VB, Bronner C. (2007): The interaction of the SRA domain of ICBP90 with a novel domain of DNMT1 is involved in the regulation of VEGF gene expression. *Oncogene*, Oct 15; 27(15):2187-97.
- 306- Sun A, Bagella L, Tutton S, Romano G, Giordano A. From G0 to S phase: a view of the roles played by the retinoblastoma (Rb) family members in the Rb-E2F pathway. *J Cell Biochem.* 2007 Dec

- 15;102(6):1400-4. Review Logan CM, Giordano A, Puca A, Cassone M. Prostaglandin E2: at the crossroads between stem cell development, inflammation and cancer. *Cancer Biol Ther*. 2007; 6(10):1517-20.
307. Vogiatzi P, Giordano A. Following the tracks of AKT1 gene. *Cancer Biol Ther*. 2007; 6(10):1521-4.
308. Tirino V, Desiderio V, d'Aquino R, De Francesco F, Pirozzi G, Graziano A, Galderisi U, Cavaliere C, De Rosa A, Papaccio G, Giordano A. (2008) Detection and characterization of CD133+ cancer stem cells in human solid tumours. *PLoS One*, 3(10): e3469.
309. Rossi A, Caracciolo V, Russo G, Reiss K, Giordano A. Medulloblastoma: from molecular pathology to therapy. *Clin Cancer Res*. 2008 15;14(4):971-6.
310. Fucito A, Lucchetti C, Giordano A, Romano G. Genetic and epigenetic alterations in breast cancer: what are the perspectives for clinical practice? *Int J Biochem Cell Biol*. 2008;40(4):565-75.
311. Giacinti C, Musarò A, De Falco G, Jourdan I, Molinaro M, Bagella L, Simone C, Giordano A. Cdk9-55: a new player in muscle regeneration. *J Cell Physiol*. 2008 ;216(3):576-82.
312. Fioriti D, Mischitelli M, Di Monaco F, Di Silverio F, Petrangeli E, Russo G, Giordano A, Pietropaolo V. Cancer stem cells in prostate adenocarcinoma: a target for new anticancer strategies. *J Cell Physiol*. 2008 ;216(3):571-5.
313. Eletto D, Russo G, Passiatore G, Del Valle L, Giordano A, Khalili K, Gualco E, Peruzzi F. Inhibition of SNAP25 expression by HIV-1 Tat involves the activity of mir-128a. *J Cell Physiol*. 2008;216(3):764-70.
314. Cassone M, Del Grosso M, Pantosti A, Giordano A, Pozzi G. Detection of genetic elements carrying glycopeptide resistance clusters in *Enterococcus* by DNA microarrays. *Mol Cell Probes*. 2008 ;22(3):162-7.
315. Pentimalli F, Giordano A. Inducing the uptake of the deadly executioner in cancer cells. *Cancer Biol Ther*. 2008; 7(6):955-7
316. Napoli C, William-Ignarro S, Byrns R, Balestrieri ML, Crimi E, Farzati B, Mancini FP, de Nigris F, Matarazzo A, D'Amora M, Abbondanza C, Fiorito C, Giovane A, Florio A, Varricchio E, Palagiano A, Minucci PB, Tecce MF, Giordano A, Pavan A, Ignarro LJ. Therapeutic targeting of the stem cell niche in experimental hindlimb ischemia. *Nat Clin Pract Cardiovasc Med*. 2008 5(9):571-9.
317. De Falco G, Leucci E, Onnis A, Bellan C, Tigli C, Wirths S, Cerino G, Cocco M, Crupi D, De Luca A, Lanzavecchia A, Tosi P, Leoncini L, Giordano A. Cdk9/Cyclin T1 complex: a key player during the activation/differentiation process of normal lymphoid B cells. *J Cell Physiol*. 2008 ;215(1):276-82.
- 318- Russo G, Anzivino E, Fioriti D, Mischitelli M, Bellizzi A, Giordano A, Autran-Gomez A, Di Monaco F, Di Silverio F, Sale P, Di Prospero L, Pietropaolo V. p53 gene mutational rate, Gleason score and BK virus infection in prostate adenocarcinoma: is there a correlation? *J Med Virol*. 2008; 80:2100-2107.
319. D'Agostino L, Giordano A. Possible functional role of NSPs in cancer. *Cell Cycle*. 2008 Jun 15;7(12):1810-27.
320. Esposito L, Giordano A. Could Puralpha be a cancer target? *Cancer Biol Ther*. 2008 Dec;7(12):1936-7.
321. Romano G, Giordano A. Role of the cyclin-dependent kinase 9-related pathway in mammalian gene expression and human diseases. *Cell Cycle*. 2008 Dec;7(23):3664-8. Review.
322. Cirillo D, Rachiglio AM, La Montagna R, Giordano A, Normanno N. Leptin signaling in breast cancer: an overview. *J Cell Biochem*. 2008 Nov 1;105(4):956-64. Review.
323. Fiorio E, Mercanti A, Terrasi M, Micciolo R, Remo A, Auriemma A, Molino A, Parolin V, Di Stefano B, Bonetti F, Giordano A, Cetto GL, Surmacz E. Leptin/HER2 crosstalk in breast cancer: in vitro study and preliminary in vivo analysis. *BMC Cancer*. 2008 Oct 22; 8:305.
324. Bovicelli A, D'Andrilli G, Giordano A. Cell cycle alterations in endometrial carcinoma. *Exp Med*. January-June 2009; 1:3-7.
325. Symonds CE, Galderisi U, Giordano A. Aging of the inceptive cellular population: the relationship between stem cells and aging. *Aging (Albany NY)*. 2009 Apr 2;1(4):372-81. Review.
326. Lapenna S, Giordano A. Cell cyclin kinases as therapeutic targets for cancer. *Nat Rev Drug Discov*. 2009 Jul;8(7):547-66.
327. Romano G, Marino IR, Pentimalli F, Adamo V, Giordano A. Looking ahead - Insertional mutagenesis and development of malignancies induced by integrating gene delivery systems: implications for the design of safer gene-based interventions in patients. *Drug News Perspect* 22(4), May 2009: 185-196
328. Piscitelli P, Santoriello A, Buonaguro FM, Di Maio M, Iolascon G, Gimigliano F, Marinelli A, Distante A, Serravezza G, Sordi E, Cagossi K, Artioli F, Santangelo M, Fucito A, Gimigliano R, Brandi ML, Crespi M, Giordano A. Incidence of breast cancer in Italy: mastectomies and quadrantectomies from 2000 to 2005. *J Exp Clin Can Res* 2009, Jun 19;28:86.

329. Cassone M, Giordano A. Resistance genes traveling the microbial internet: down the drain, up the food chain? *Expert Rev. Anti Infect. Ther.* 7(6), 637-639 (2009).
330. Fiorentino FP, Symonds CE, Macaluso M, Giordano A. Senescence and p130/Rb12: a new beginning to the end. *Cell Res.* 2009 Sep;19(9):1044-51.
331. Galderisi U, Helmbold H, Squillaro T, Alessio N, Komm N, Khadang B, Cipollaro M, Bohn W, Giordano A. In vitro senescence of rat mesenchymal stem cells is accompanied by downregulation of stemness-related and DNA damage repair genes. *Stem Cells Dev.* 2009 Sep;18(7):1033-42.
332. Melone MA, Giuliano M, Squillaro T, Alessio N, Casale F, Mattioli E, Cipollaro M, Giordano A, Galderisi U. Genes involved in regulation of stem cell properties: studies on their expression in a small cohort of neuroblastoma patients. *Cancer Biol Ther.* 2009 Jul;8(13):1300-06.
333. Rossi A, Russo G, Puca A, La Montagna R, Caputo M, Mattioli E, Lopez M, Giordano A, Pentimalli F. The antiretroviral nucleoside analogue Abacavir reduces cell growth and promotes differentiation of human medulloblastoma cells. *Int J Cancer.* 2009 Jul 1;125(1):235-43.
334. Ciarapica R, Russo G, Verginelli F, Raimondi L, Donfrancesco A, Rota R, Giordano A. Deregulated expression of miR-26a and Ezh2 in rhabdomyosarcoma. *Cell Cycle.* 2009 Jan 1;8(1):172-5.
335. Russo G, Giordano A. miRNAs: from biogenesis to networks. *Methods Mol Biol.* 2009; 563:303-52.
336. Pentimalli F and Giordano A. Promises and drawbacks of targeting cell cycle kinases in cancer. *Discovery Medicine.* 8(43):177-180, December 2009.
337. Esposito L, Caligiuri I, Giordano A. Treatment for glioma recurrence: new hope? *Cancer Biol Ther.* 2010 ;9(1):40-1.
338. Di Bernardo G, Galderisi U, Fiorito C, Squillaro T, Cito L, Cipollaro M, Giordano A, Napoli C. Dual role of parathyroid hormone in endothelial progenitor cells and marrow stromal mesenchymal stem cells. *J Cell Physiol.* 2010 Feb;222(2):474-80.
339. Mattioli E, Giordano A, Pentimalli F. Predicting breast cancer outcome: Traditional prognosticators still on center stage. *Cancer Biol Ther.* 2010 Feb 22;9(4).
340. D'Urso V, Collodoro A, Mattioli E, Giordano A, Bagella L. Cytometry and DNA ploidy: clinical uses and molecular perspective in gastric and lung cancer. *J Cell Physiol.* 2010 Mar;222(3):532-9. Review.
341. Balestrieri ML, Lu SJ, de Nigris F, Giovane A, Williams-Ignarro S, D'Armiento FP, Feng Q, Fiorito C, Testa G, Pastore L, Cacciatore F, Mancini FP, Servillo L, De Rosa G, Pagliarulo C, Rienzo M, Minucci PB, Farzati B, Salvatore F, Rengo F, Ignarro LJ, Giordano A, Baker A, Lanza R, Napoli C. Therapeutic angiogenesis in diabetic apolipoprotein E-deficient mice using bone marrow cells, functional hemangioblasts and metabolic intervention. *Atherosclerosis.* 2010 Apr;209(2):403-14.
342. Caracciolo V, Macaluso M, D'Agostino L, Montanari M, Scheff J, Reiss K, Khalili K, Giordano A. Cross-talk between T-Ag presence and pRb family and p53/p73 signaling in mouse and human medulloblastoma. *J Cell Biochem.* 2010 May;110(1):182-90.
343. D'Agostino L, Caracciolo V, Giordano A. NSP 5a3a's link to nuclear-cyto proteins B23 and hnRNP-L between normal and aberrant breast cell lines. *Cell Cycle.* 2010 Mar 18;9(6).
344. Rizzolio F, Tuccinardi T, Caligiuri I, Lucchetti C, Giordano A. CDK inhibitors: from the bench to clinical trials. *Curr Drug Targets.* 2010 Mar;11(3):279-90. Review.
345. Caracciolo V, D'Agostino L, Dráberová E, Sládková V, Crozier-Fitzgerald C, Agamanolis DP, de Chadarévian JP, Legido A, Giordano A, Dráber P, Katsetos CD. Differential expression and cellular distribution of gamma-tubulin and betaIII-tubulin in medulloblastomas and human medulloblastoma cell lines. *J Cell Physiol.* 2010 May;223(2):519-29.
346. Indovina P, Giordano A. Targeting the checkpoint kinase WEE1: Selective sensitization of cancer cells to DNA-damaging drugs. *Cancer Biol Ther.* 2010 Apr 22;9(7).
347. Squillaro T, Alessio N, Cipollaro M, Renieri A, Giordano A, Galderisi U. Partial silencing of methyl cytosine protein binding 2 (MECP2) in mesenchymal stem cells induces senescence with an increase in damaged DNA. *FASEB J.* 2010 May;24(5):1593-603.
348. Rizzolio F, Esposito L, Muresu D, Fratamico R, Jaraha R, Caprioli GV, Giordano A. RB gene family: genome-wide ChIP approaches could open undiscovered roads. *J Cell Biochem.* 2010 Apr 1;109(5):839-43. Review.
349. Indovina P, Acquaviva A, De Falco G, Rizzo V, Onnis A, Luzzi A, Giorgi F, Hadjistilianou T, Toti P, Tomei V, Pentimalli F, Carugi A, Giordano A. Downregulation and aberrant promoter methylation of p16INK4A: a possible novel heritable susceptibility marker to retinoblastoma. *J Cell Physiol.* 2010 Apr;223(1):143-50.

350. Naviglio S, Di Gesto D, Illiano F, Chiosi E, Giordano A, Illiano G, Spina A. Leptin potentiates antiproliferative action of cAMP elevation via protein kinase A down-regulation in breast cancer cells. *J Cell Physiol.* 2010 225(3):801-9
351. Tuccinardi T, Botta M, Giordano A, Martinelli A. Protein kinases: docking and homology modeling reliability. *J Chem Inf Model.* 2010 Aug 23;50(8):1432-41.
352. Federico M, Symonds CE, Bagella L, Rizzolio F, Fanale D, Russo A, Giordano A. R-Roscovitine (Seliciclib) prevents DNA damage-induced cyclin A1 upregulation and hinders non-homologous end-joining (NHEJ) DNA repair. *Mol Cancer.* 2010 Aug 4; 9:208.
353. de Nigris F, Crudele V, Giovane A, Casamassimi A, Giordano A, Garban HJ, Cacciatore F, Pentimalli F, Marquez-Garban DC, Petrillo A, Cito L, Sommese L, Fiore A, Petrillo M, Siani A, Barbieri A, Arra C, Rengo F, Hayashi T, Al-Omran M, Ignarro LJ, Napoli C. CXCR4/YY1 inhibition impairs VEGF network and angiogenesis during malignancy. *Proc Natl Acad Sci U S A.* 2010 Aug 10;107(32):14484-9.
354. Terracciano D, Mazzarella C, Di Carlo A, Mariano A, Ferro M, Di Lorenzo G, Giordano A, Altieri V, De Placido S, Macchia V. Effects of the ErbB1/ErbB2 kinase inhibitor GW2974 on androgen-independent prostate cancer PC-3 cell line growth and NSE, chromogranin A and osteopontin content. *Oncol Rep.* 2010 Jul;24(1):213-7.
355. Fiorito F, Marfè G, Granato GE, Ciarcia R, De Blasio E, Tafani M, Florio S, De Martino L, Muzi G, Pagnini U, Giordano A. 2,3,7,8-Tetrachlorodibenzo-p-dioxin modifies expression and nuclear/cytosolic localization of Bovine Herpesvirus 1 immediate-early protein (bICP0) during infection. *J Cell Biochem.* 2010 Oct 1;111(2):333-42
356. Ciarcia R, d'Angelo D, Pacilio C, Pagnini D, Galdiero M, Fiorito F, Damiano S, Mattioli E, Lucchetti C, Florio S, Giordano A. Dysregulated calcium homeostasis and oxidative stress in chronic myeloid leukemia (CML) cells. *J Cell Physiol.* 2010 Aug;224(2):443-53.
357. Rizzolio F, La Montagna R, Tuccinardi T, Russo G, Caputi M, Giordano A. Adenosine receptor ligands in clinical trials. *Curr Top Med Chem.* 2010;10(10):1036-45.
358. Rossi A, Schenone S, Angelucci A, Cozzi M, Caracciolo V, Pentimalli F, Puca A, Pucci B, La Montagna R, Bologna M, Botta M, Giordano A. New pyrazolo-[3,4-d]-pyrimidine derivative Src kinase inhibitors lead to cell cycle arrest and tumor growth reduction of human medulloblastoma cells. *FASEB J.* 2010 Aug;24(8):2881-92.
359. D'Andrilli G, Bovicelli A, Giordano A. HPV vaccines: state of the art. *J Cell Physiol.* 2010 Sep;224(3):601-4. Review.
360. Takaro TK, Davis D, Van Rensburg SJ, Arroyo Aguilar RS, Algranti E, Bailar JC 3rd, Belpoggi F, Berlin M, Bhattacharya S, Bonnier Viger YV, Brophy J, Bustinza R, Cameron RB, Dement JM, Egilman D, Castleman B, Chaturvedi S, Cherniack M, Choudhury H, Demers PA, Digangi J, Digon A, Edwards JG, Englund A, Erikson B, Corrêa Filho HR, Franco G, Frank AL, Freund A, Gee D, Giordano A, Gochfeld M, Gilbert M, Goldsmith DF, Goldstein BD, Grandjean P, Greenberg M, Gut I, Harari R, Hindry M, Hogstedt C, Huff J, Infante PF, Järnholm B, Kern DG, Keifer M, Khatter K, Kjuus H, Keith M, Koo LC, Kumar A, LaDou J, Landrigan PJ, Lemen RA, Last JM, Lee CW, Leigh J, Levin SM, Lippman A, Madrid GA, McCulloch J, McDiarmid MA, Merchant JA, Monforton C, Morse T, Muir DC, Mukerjee D, Mulloy KB, Myers J, Nuwayhid I, Orris P, Ozonoff D, Paek D, Patra M, Pelclová D, Pepper L, Poje GV, Rahman Q, Reyes B, Robinson BW, Rodríguez E, Rose C, Rosenman KD, Rosenstock L, Ruchirawat M, Rydzyński K, Schneider J, Silverstein B, Siqueira CE, Slatin C, Soffritti M, Soskoline C, Sparer J, Stayner LT, Takaro TK, Tarkowski S, Teitelbaum DT, Tompa A, Trosic I, Turcotte F, Vilela RA, Waterman YR, Watterson A, Wegman DH, Welch LS, Woitowitz HJ, Yanri Z, Zavariz C. Scientists appeal to Quebec Premier Charest to stop exporting asbestos to the developing world. *Int J Occup Environ Health.* 2010 Apr-Jun;16(2):241-8.
361. Aloisi AM, Ceccarelli I, Fiorenzani P, Maddalena M, Rossi A, Tomei V, Sorda G, Danielli B, Rovini M, Cappelli A, Anzini M, Giordano A. Aromatase and 5- α Reductase Gene Expression: Modulation by Pain and Morphine Treatment in Male Rats. *Mol Pain.* 2010 Oct 26;6(1):69.
362. Cito L, Pentimalli F, Forte I, Mattioli E, Giordano A. Rb family proteins in gastric cancer (Review). *Oncol Rep.* 2010 Dec; 24(6): 1411-1418.
363. D'Agostino L, Giordano A. NSP 5a3a: a potential novel cancer target in head and neck carcinoma. *Oncotarget.* 2010 Oct;1(6):423-35.
364. Piscitelli P, Gimigliano F, Gatto S, Marinelli A, Gimigliano A, Marinelli P, Chitano G, Greco M, Di Paola L, Sbenaglia E, Benvenuto M, Muratore M, Quarta E, Calcagnile F, Coli G, Borgia O, Forcina B, Fitto F, Giordano A, Distante A, Rossini M, Angeli A, Migliore A, Guglielmi G, Guida G, Brandi ML,

Gimigliano R, Iolascon G. (2010) Hip fractures in Italy: 2000-2005 extension study. *Osteoporos Int*, 21(8):1323-30.

365. Romano G, Giordano A. Purα and nucleotide excision repair system: Implications in cellular response to ultraviolet C radiation-induced DNA damage and chemoresistance in malignant cells. *Cell Cycle*. 2010 Nov 1;9(21):4262.

366. Esposito L, Conti D, Ailavajhala R, Khalil N, Giordano A. Lung Cancer: Are we up to the Challenge? *Curr Genomics*. 2010 Nov;11(7):513-8.

367. Piscitelli P, Iolascon G, Greco M, Marinelli A, Gimigliano F, Gimigliano R, Gisonni P, Giordano A, Migliore A, Granata M, Tarantino U, Brandi ML, Baggiani A, Distante A. The Occurrence of Acute Myocardial Infarction in Italy: a Five-years Analysis of Hospital Discharge Records. *Aging Clin Exp Res*. 2011 Feb;23(1):49-54.

368. Bovicelli A, D'Andrilli G, Giordano A. New players in ovarian cancer. *J Cell Physiol*. 2011 Oct;226(10):2500-4. doi: 10.1002/jcp.22662.

369. Roberti A, Rizzolio F, Lucchetti C, de Leval L, Giordano A. Ubiquitin-mediated protein degradation and methylation-induced gene silencing cooperate in the inactivation of the INK4/ARF locus in Burkitt lymphoma cell lines. *Cell Cycle*. 2011 Jan 1;10(1):127-34.

370. Capasso I, Esposito E, Pentimalli F, Crispo A, Montella M, Grimaldi M, De Marco M, Cavalcanti E, D'Aiuto M, Fucito A, Frasci G, Maurea N, Esposito G, Pedicini T, Vecchione A, D'Aiuto G, Giordano A. Metabolic syndrome affects breast cancer risk in postmenopausal women: National Cancer Institute of Naples experience. *Cancer Biol Ther*. 2011 Jan 12;10(12):1240-3.

371. Fiorentino FP, Macaluso M, Miranda F, Montanari M, Russo A, Bagella L, Giordano A. CTCF and BORIS regulate Rb2/p130 gene transcription: a novel mechanism and a new paradigm for understanding the biology of lung cancer. *Mol Cancer Res*. 2011 Feb;9(2):225-33.

372. Napoli C, Giordano A, Casamassimi A, Pentimalli F, Ignarro LJ, De Nigris F. Directed in vivo angiogenesis assay and the study of systemic neoangiogenesis in cancer. *Int J Cancer*. 2011 Apr 1;128(7):1505-8.

373. Ciarapica R, Miele L, Giordano A, Locatelli F, Rota R. Enhancer of zeste homolog 2 (EZH2) in pediatric soft tissue sarcomas: first implications. *BMC Med*. 2011 May 25; 9:63.

374. Barba M, Mazza A, Guerriero C, Di Maio M, Romeo F, Maranta P, Marino IR, Paggi MG, Giordano A. Wasting lives: The effects of toxic waste exposure on health. The case of Campania, Southern Italy. *Cancer Biol Ther*. 2011 Jul 15;12(2):106-11. Epub 2011 Jul 15

375. Laurenti G, Benedetti E, D'Angelo B, Cristiano L, Cinque B, Raysi S, Alecci M, Cerù M, Cifone M, Galzio R, Giordano A, Cimini A. Hypoxia induces peroxisome proliferator-activated receptor α (PPARα) and lipid metabolism peroxisomal enzymes in human glioblastoma cells. *J Cell Biochem*. 2011 112(12):3891-901

376. Rota R, Ciarapica R, Giordano A, Miele L, Locatelli F. MicroRNAs in rhabdomyosarcoma: pathogenetic implications and translational potentiality. *Molecular Cancer*. 2011, 10:120

377. D'Agostino L, Giordano A. A novel dual signaling axis for NSP 5a3a induced apoptosis in head and neck carcinoma. *Oncotarget*. 2011 Dec 2

378. Fiorentino FP, Giordano A. The tumor suppressor role of CTCF. *J Cell Physiol*. 2012 227(2):479-92

379. Balestrieri ML, Dicitore A, Benevento R, Di Maio M, Santoriello A, Canonico S, Giordano A, Stiuso P. Interplay between membrane lipid peroxidation, transglutaminase activity and cyclooxygenase 2 expression in the tissue adjoining to breast cancer *J Cell Physiol*. 2012 227(4):1577-82

380. Siniscalco D, Giordano A, Galderisi U. Novel insights in basic and applied stem cell therapy: Stem Cell Research Italy - International Society for Cellular Therapy Europe, Joint Meeting, Montesilvano (PE) - Italy, June 10-12, 2011. *J Cell Physiol*. 2012 227(5):2283-6

381. Giordano A, Tagliabue E, Pupa SM. Promise and failure of targeted therapy in breast cancer. *Front Biosci (Schol Ed)*. 2012 Jan 1

382. Galzio R, Rosati F, Benedetti E, Cristiano L, Aldi S, Mei S, D'Angelo B, Gentile R, Laurenti G, Cifone M.G, Giordano A, Cimini A. Glycosylated Nucleolin as Marker for Human Gliomas. *J Cell Biochem* 113:571–579 Jan 2012

383. Manera C, Saccomanni G, Malfitano A, Bertini S, Castelli F, Laezza C, Ligresti A, Lucchesi V, Tuccinardi T, Rizzolio F, Bifulco M, Di Marzo V, Giordano A, Macchia M, Martinelli A. Rational design, synthesis and anti-proliferative properties of new CB2 selective cannabinoid receptor ligands: An investigation of the 1,8-naphthyridin-2(1H)-one scaffold. *European Journal of Medicinal Chemistry* 2012 (52): 284-294

384. Di Fiore R, Guercio A, Puleio R, Di Marco P, Drago-Ferrante R, D'Anneo A, De Blasio A, Carlisi D, Di Bella S, Pentimalli F, Forte I, Giordano A, Tesoriere G, Vento R. Modeling Human Osteosarcoma In Mice Through 3AB-OS Cancer Stem Cell Xenografts. *Journal of Cellular Biochemistry* 2012 Jun
385. Puca A, Russo G, Giordano A. Properties of Mechano-Transduction via Simulated Microgravity and its Effects on Intracellular Trafficking of VEGFR's. *Oncotarget* 2012; 3: 426-434
386. De Nigris F, Rienzo M, Sessa M, Infante T, Cesario E, Ignarro L, Al-Omran M, Giordano A, Palinski W, Napoli C. Glycoxydation promotes vascular damage via MAPK-ERK/JNK pathways. *Journal of Cellular Physiology* 2012 Feb 13
387. Cozzi M, Giorgi F, Marcelli E, Pentimalli F, Forte I, Schenone S, D'Urso V, De Falco G, Botta M, Giordano A, Indovina P. Antitumor activity of new pyrazolo[3,4-d] pyrimidine SRC kinase inhibitors in Burkitt lymphoma cell lines and its enhancement by WEE1 inhibition. Antitumor activity of new pyrazolo[3,4-d] pyrimidine SRC kinase inhibitors in Burkitt lymphoma cell lines and its enhancement by WEE1 inhibition. *Cell Cycle* 11:5, 1029-1039; 2012 March 1
388. Caracciolo V, Laurenti G, Romano G, Carnevale V, Cimini A, Crozier Fitzgerald C, Gentile Warschauer e, Russo G, Giordano A. Flavopiridol induces phosphorylation of AKT in a human glioblastoma cell line, in contrast to siRNA-mediated silencing of Cdk9 Implications for drug design and development. *Cell Cycle* 11:6, 1202-1216; 2012 March 15
389. Squillaro T, Alessio N, Cipollaro M, Melone M, Hayek G, Renieri A, Giordano A, Galderisi U. Reduced expression of MECP2 affects cell commitment and maintenance in neurons by triggering senescence: new perspective for Rett syndrome. *Molecular Biology of the Cell*. Volume 23 2012 April 15
390. Rizzolio F, Caligiuri I, Lucchetti C, Fratamico R, Tomei V, Gallo G, Agelan A, Ferrari G, Toffoli G, Klein-Szanto A, Giordano A. Dissecting Pin1 and phospho-pRb regulation. *Journal of Cellular Physiology* 2012 April
391. Macaluso M, Caracciolo V, Rizzo V, Sun A, Montanari M, Russo G, Bellipanni G, Khalili K, Giordano A. Integrating role of T antigen, Rb2/p130, CTCF and BORIS in mediating non-canonical endoplasmic reticulum-dependent death pathways triggered by chronic ER stress in mouse medulloblastoma. *Cell Cycle* 11:9, 1841-1850; 2012 May 1
392. Galzio R, Cristiano L, Fidoamore A, Cifone MF, Benedetti E, Cinque B, Menghini P, Dehcordi SR, Ippoliti R, Giordano A, Cimini A. Hypoxia Modulation of Peroxisome Proliferator-Activated Receptors in Human Glioblastoma Stem Cells. Implications for Therapy. *J Cell Biochem*. 2012 May 23
393. Zanichelli F, Capasso S, Di Bernardo G, Cipollaro M, Pagnotta E, Carteni M, Casale F, Iori R, Giordano A, Galderisi U. Low concentrations of isothiocyanates protect mesenchymal stem cells from oxidative injuries, while high concentrations exacerbate DNA damage. *Apoptosis* 2012 June 12
394. Fiorentino FP, Marchesi I, Giordano A. On the role of Retinoblastoma family proteins in the establishment and maintenance of the epigenetic landscape. *J Cell Physiol*. 2012
395. Indovina P, Marcelli E, Casini N, Rizzo V, Giordano A. Emerging roles of RB family: new defense mechanisms against tumor progression. *J Cell Physiol*. 2012 Aug 8
396. Mangani D, Roberti A, Rizzolio F, Giordano A. Emerging molecular networks in Burkitt's lymphoma. *J Cell Biochem*. 2012 Aug 17
397. Di Bernardo G, Piva R, Giordano A, Galderisi U. Exploiting stem cell therapy: The 3rd meeting of stem cell research Italy. *J Cell Physiol*. 2012 Aug 27.
398. Giordano A, Macaluso M. Fenofibrate triggers apoptosis of glioblastoma cells in vitro: New insights for therapy. *Cell Cycle*. 2012 Sep 1
399. La Montagna R, Caligiuri I, Maranta P, Lucchetti C, Esposito L, Paggi MG, Toffoli G, Rizzolio F, Giordano A. Androgen receptor serine 81 mediates Pin1 interaction and activity. *Cell Cycle*. 2012 Sep 15
400. Maounis NF, Dráberová E, Mahera E, Chorti M, Caracciolo V, Sulimenko T, Riga D, Trakas N, Emmanouilidou A, Giordano A, Dráber P, Katsetos CD. Overexpression of γ -tubulin in non-small cell lung cancer. *Histol Histopathol*. 2012 Sep 27
401. Misso G, Giuberti G, Lombardi A, Grimaldi A, Ricciardiello F, Giordano A, Tagliaferri P, Abbruzzese A, Caraglia M. Pharmacological inhibition of HSP90 and ras activity as a new strategy in the treatment of HNSCC. *Journal of Cellular Physiology* 2013 Jan;228(1):130-41. doi: 10.1002/jcp.24112.
402. Alessio N, Bohn W, Rauchberger V, Rizzolio F, Cipollaro M, Rosemann M, Irmeler M, Beckers J, Giordano A, Galderisi U. Silencing of RB1 but not of RB2/P130 induces cellular senescence and impairs the differentiation potential of human mesenchymal stem cells. *Cell Mol Life Sci*. 2013 May;70(9):1637-51. doi: 10.1007/s00018-012-1224-x.

403. Lucchetti C, Caligiuri I, Toffoli G, Giordano A, Rizzolio F (2013) The Prolyl Isomerase Pin1 Acts Synergistically with CDK2 to Regulate the Basal Activity of Estrogen Receptor in Breast Cancer. *PLoS ONE* 8(2): e55355. doi:10.1371/journal.pone.0055355
404. Esposito L, Indovina P, Magnotti F, Conti D, Giordano A. "Anticancer therapeutic strategies based on CDK inhibitors". (2013) *Curr Pharm Des.* 19(30):5327-32
405. Caligiuri I, Toffoli G, Giordano A and Rizzolio F. pRb controls estrogen receptor alpha protein stability and activity. *Oncotarget.* 2013; 4(6):875-883.
406. Abate AA, Pentimalli F, Esposito L, Giordano A ATP-noncompetitive CDK inhibitors for cancer therapy: an overview. *Expert Opin Investig Drugs.* 2013
407. Malafoglia V, Bryant B, Raffaelli W, Giordano A and Bellipanni G. The zebrafish as a model for nociception studies. *Journal of cellular physiology.* 2013; 228(10):1956-1966.
408. Cimini A, Gentile R, D'Angelo B, Benedetti E, Cristiano L, Avantaggiati ML, Giordano A, Ferri C, Desideri G. Cocoa powder triggers neuroprotective and preventive effects in a human Alzheimer's disease model by modulating BDNF signaling pathway. *J Cell Biochem.* 2013
409. La Montagna R, Caligiuri I, Giordano A and Rizzolio F. Pin1 and nuclear receptors: a new language? *Journal of cellular physiology.* 2013; 228(9):1799-1801.
410. Bovicelli A, D'Andrilli G, Giordano A, De Iaco P. Conservative treatment of early endometrial cancer. *J. Cell Physiol.* 2013; 228(6):1154-1158.
411. Crispo A, Barba M, Malvezzi M, Arpino G, Grimaldi M, Rosso T, Esposito E, Sergi D, Ciliberto G, Giordano A and Montella M. Cancer mortality trends between 1988 and 2009 in the metropolitan area of Naples and Caserta, Southern Italy: Results from a joinpoint regression analysis. *Cancer biology & therapy.* 2013; 14(12):1113-1122.
412. Indovina P, Marcelli E, Casini N, Rizzo V and Giordano A. Emerging roles of RB family: new defense mechanisms against tumor progression. *Journal of cellular physiology.* 2013; 228(3):525-535.
413. Indovina P, Marcelli E, Pentimalli F, Tanganelli P, Tarro G and Giordano A. Mass spectrometry-based proteomics: the road to lung cancer biomarker discovery. *Mass spectrometry reviews.* 2013; 32(2):129-142.
414. Mangani D, Roberti A, Rizzolio F and Giordano A. Emerging molecular networks in Burkitt's lymphoma. *Journal of cellular biochemistry.* 2013; 114(1):35-38.
415. Romano G, Morales F, Marino IR and Giordano A. A commentary on iPS cells: potential applications in autologous transplantation, study of illnesses and drug screening. *Journal of cellular physiology.* 2014; 229(2):148-152.
416. Di Marzo D, Forte IM, Indovina P, Di Gennaro E, Rizzo V, Giorgi F, Mattioli E, Iannuzzi CA, Budillon A, Giordano A and Pentimalli F. Pharmacological targeting of p53 through RITA is an effective antitumoral strategy for malignant pleural mesothelioma. *Cell cycle.* 2014; 13(4):652-665.
417. Marchesi I, Giordano A and Bagella L. Roles of enhancer of zeste homolog 2: from skeletal muscle differentiation to rhabdomyosarcoma carcinogenesis. *Cell cycle.* 2014; 13(4):516-527.
418. Capasso S, Alessio N, Di Bernardo G, Cipollaro M, Melone MA, Peluso G, Giordano A and Galderisi U. Silencing of RB1 and RB2/P130 during adipogenesis of bone marrow stromal cells results in dysregulated differentiation. *Cell cycle.* 2014; 13(3):482-490.
419. Katsetos CD, Dráberová E, D'Agostino L, Caracciolo V, Sládková V, Sulimenko T, Maounis NF, Tzelepis EG, Mahera E, Legido A, Giordano A, Dráber P. Overexpression of human γ -tubulin small complex proteins GCP2 and GCP3 in glioblastomas and human glioblastoma cell lines. *Hellenic Journal of Nuclear Medicine* 17 (Supplement): 82, 2014 -- Awarded the 1st Prize at the 2nd International Medical Olympiad, Thessaloniki, Greece (October 18-20, 2013).
420. Benedetti E, D'Angelo B, Cristiano L, Di Giacomo E, Fanelli F, Moreno S, Cecconi F, Fidoamore A, Antonosante A, Falcone R, Ippoliti R, Giordano A and Cimini A. Involvement of peroxisome proliferator-activated receptor beta/delta (PPAR beta/delta) in BDNF signaling during aging and in Alzheimer disease: possible role of 4-hydroxynonenal (4-HNE). *Cell cycle.* 2014; 13(8):1335-1344.
421. Ferrari L, Pistocchi A, Libera L, Boari N, Mortini P, Bellipanni G, Giordano A, Cotelli F and Riva P. FAS/FASL are dysregulated in chordoma and their loss-of-function impairs zebrafish notochord formation. *Oncotarget.* 2014; 5(14):5712-5724.
422. Finicelli M, Benedetti G, Squillaro T, Pistilli B, Marcellusi A, Mariani P, Santinelli A, Latini L, Galderisi U and Giordano A. Expression of stemness genes in primary breast cancer tissues: the role of SOX2 as a prognostic marker for detection of early recurrence. *Oncotarget.* 2014.
423. Galderisi U and Giordano A. The gap between the physiological and therapeutic roles of mesenchymal stem cells. *Medicinal research reviews.* 2014; 34(5):1100-1126.

424. Vici P, Sperati F, Maugeri-Sacca M, Melucci E, Di Benedetto A, Di Lauro L, Pizzuti L, Sergi D, Terrenato I, Esposito L, Iannuzzi CA, Pasquale R, Botti C, Fuhrman B, Giordano A, Mottotese M, et al. p53 status as effect modifier of the association between pre-treatment fasting glucose and breast cancer outcomes in non diabetic, HER2 positive patients treated with trastuzumab. *Oncotarget*. 2014.
425. Franchina T, Amodeo V, Bronte G, Savio G, Ricciardi GR, Picciotto M, Russo A, Giordano A, Adamo V. Circulating miR-22, miR-24 and miR-34a as novel predictive biomarkers to pemetrexed-based chemotherapy in advanced non-small cell lung cancer. *J Cell Physiol*. 2014 Jan;229(1):97-9.
426. Romano G, Morales F, Marino IR, Giordano A. A commentary on iPS cells: potential applications in autologous transplantation, study of illnesses and drug screening. *J Cell Physiol*. 2014 Feb;229(2):148-152.
427. Malafoglia V, Colasanti M, Raffaelli W, Balciunas D, Giordano A, Bellipanni G. Extreme thermal noxious stimuli induce pain responses in zebrafish larvae. *J Cell Physiol*. 2014 Mar;229(3):300-8.
428. Pannone G, Santoro A, Feola A, Bufo P, Papagerakis P, Lo Muzio L, Staibano S, Ionna F, Longo F, Franco R, Aquino G, Contaldo M, De Maria S, Serpico R, De Rosa A, Rubini C, Papagerakis S, Giovane A, Tombolini V, Giordano A, Caraglia M, Di Domenico M. The role of E-cadherin down-regulation in oral cancer: CDH1 gene expression and epigenetic blockage. *Curr Cancer Drug Targets*. 2014;14(2):115-27.
429. Chiarella G, Di Domenico M, Petrolo C, Saccomanno M, Rothenberger R, Giordano A, Costanzo F, Cassandro E, Cuda G. A proteomics-driven assay defines specific plasma protein signatures in different stages of Ménière's disease. *J Cell Biochem*. 2014 Jun;115(6):1097-100.
430. Indovina P, Marcelli E, Di Marzo D, Casini N, Forte IM, Giorgi F, Alfano L, Pentimalli F, Giordano A. Abrogating G2/M checkpoint through WEE1 inhibition in combination with chemotherapy as a promising therapeutic approach for mesothelioma. *Cancer Biol Ther*. 2014 Apr;15(4):380-8.
431. Fiorelli A, Pentimalli F, D'Urso V, Di Marzo D, Forte IM, Giordano A, Di Domenico M, Accardo M, Di Serio U, Santini M. Antineoplastic activity of povidone-iodine on different mesothelioma cell lines results of in vitro study. *Eur J Cardiothorac Surg*. 2014 Jun;45(6):993-1000.
432. Leotta M, Biamonte L, Raimondi L, Ronchetti D, Di Martino MT, Botta C, Leone E, Pitari MR, Neri A, Giordano A, Tagliaferri P, Tassone P, Amodio N. A p53-dependent tumor suppressor network is induced by selective miR-125a-5p inhibition in multiple myeloma cells. *J Cell Physiol*. 2014 Dec;229(12):2106-16.
433. Sirangelo I, Giovane A, Maritato R, Nunzia D, Iannuzzi C, Giordano A, Irace G, Balestrieri ML. Platelet-Activating Factor Mediates the Cytotoxicity Induced by W7FW14F Apomyoglobin Amyloid Aggregates in Neuroblastoma Cells. *J Cell Biochem*. 2014 Dec;115(12):2116-22.
434. Penon D, Cito L, Giordano A. Novel findings about management of gastric cancer: a summary from 10th IGCC. *World J Gastroenterol*. 2014 Jul 21;20(27):8986-92.
435. Di Fiore R, Drago-Ferrante R, Pentimalli F, Di Marzo D, Forte IM, D'Anneo A, Carlisi D, De Blasio A, Giuliano M, Tesoriere G, Giordano A, Vento R. MicroRNA-29b-1 impairs in vitro cell proliferation, self renewal and chemoresistance of human osteosarcoma 3AB-OS cancer stem cells. *Int J Oncol*. 2014 Nov;45(5):2013-23.
436. Giarnieri E, Bellipanni G, Macaluso M, Mancini R, Holstein AC, Milanese C, Giovagnoli MR, Giordano A, Russo G. Review: Cell Dynamics in Malignant Pleural Effusions. *J Cell Physiol*. 2014 Sep 9. doi: 10.1002/jcp.24806.
437. Tuccinardi T, Poli G, Romboli V, Giordano A, Martinelli A. Extensive consensus docking evaluation for ligand pose prediction and virtual screening studies. *J Chem Inf Model*. 2014 Oct 27;54(10):2980-6.
438. Granchi C, Rizzolio F, Bordoni V, Caligiuri I, Manera C, Macchia M, Minutolo F, Martinelli A, Giordano A, Tuccinardi T. 4-Aryliden-2-methyloxazol-5(4H)-one as a new scaffold for selective reversible MAGL inhibitors. *J Enzyme Inhib Med Chem*. 2015 Feb 11:1-10.
439. Ciarcia R, Damiano S, Florio A, Spagnuolo M, Zacchia E, Squillacioti C, Mirabella N, Florio S, Pagnini U, Garofano T, Polito MS, Capasso G, Giordano A. The protective effect of Apocynin on Cyclosporine A-induced hypertension and nephrotoxicity in rats. *J Cell Biochem*. 2015 Feb 19. doi: 10.1002/jcb.25140.
440. Damiano S, Ciarcia R, Montagnaro S, Pagnini U, Garofano T, Capasso G, Florio S, Giordano A. Prevention of nephrotoxicity induced by cyclosporine-A: role of antioxidants. *J Cell Biochem*. 2015 Mar;116(3):364-9. doi: 10.1002/jcb.25022.
441. Valenti F, Ibetti J, Komiya Y, Baxter M, Lucchese AM, Derstine L, Covaciu C, Rizzo V, Vento R, Russo G, Macaluso M, Cotelli F, Castiglia D, Gottardi CJ, Habas R, Giordano A, Bellipanni G. The increase in maternal expression of axin1 and axin2 contribute to the zebrafish mutant ichabod ventralized phenotype. *J Cell Biochem*. 2015 Mar;116(3):418-30. doi: 10.1002/jcb.24993.

442. Vincenzi B, Iuliani M, Zoccoli A, Pantano F, Fioramonti M, De Lisi D, Frezza AM, Rabitti C, Perrone G, Onetti Muda A, Russo A, Giordano A, Santini D, Dei Tos AP, Tonini G. Deregulation of dicer and mir-155 expression in liposarcoma. *Oncotarget*. 2015 Apr 30;6(12):10586-91.
443. Cimini A, Brandolini L, Gentile R, Cristiano L, Menghini P, Fidoamore A, Antonosante A, Benedetti E, Giordano A, Allegretti M. Gastroprotective effects of L-lysine salification of ketoprofen in ethanol-injured gastric mucosa. *J Cell Physiol*. 2015 Apr;230(4):813-20. doi: 10.1002/jcp.24809.
444. Ussai S, Miceli L, Pisa FE, Bednarova R, Giordano A, Della Rocca G, Petelin R. Impact of potential inappropriate NSAIDs use in chronic pain. *Drug Des Devel Ther*. 2015 Apr 9; 9:2073-7. doi: 10.2147/DDDT.S80686. eCollection 2015.
445. Cito L, Indovina P, Forte IM, Pentimalli F, Di Marzo D, Somma P, Barone D, Penon A, Penon D, Ceccherini E, Micheli P, Saragoni L, Di Domenico M, Feola A, Roviello F, Mattioli E, Giordano GG, Giordano A. pRb2/p130 localizes to the cytoplasm in diffuse gastric cancer. *J Cell Physiol*. 2015 Apr;230(4):802-5. doi: 10.1002/jcp.24805.
446. Della Noce I, Carra S, Brusegan C, Critelli R, Frassine A, De Lorenzo C, Giordano A, Bellipanni G, Villa E, Cotelli F, Pistocchi A, Schepis F. The Coiled-Coil Domain Containing 80 (ccdc80) gene regulates gadd45 β 2 expression in the developing somites of zebrafish as a new player of the hedgehog pathway. *J Cell Physiol*. 2015 Apr;230(4):821-30. doi: 10.1002/jcp.24810.
447. Casini N, Forte IM, Mastrogiovanni G, Pentimalli F, Angelucci A, Festuccia C, Tomei V, Ceccherini E, Di Marzo D, Schenone S, Botta M, Giordano A, Indovina P. SRC family kinase (SFK) inhibition reduces rhabdomyosarcoma cell growth in vitro and in vivo and triggers p38 MAP kinase-mediated differentiation. *Oncotarget*. 2015 May 20;6(14):12421-35.
448. Ceccherini E, Indovina P, Zamperini C, Dreassi E, Casini N, Cutaia O, Forte IM, Pentimalli F, Esposito L, Polito MS, Schenone S, Botta M, Giordano A. SRC family kinase inhibition through a new pyrazolo[3,4-d] pyrimidine derivative as a feasible approach for glioblastoma treatment. *J Cell Biochem*. 2015 May;116(5):856-63. doi: 10.1002/jcb.25042.
449. Agostini M, Zangrando A, Pastrello C, D'Angelo E, Romano G, Giovannoni R, Giordano M, Maretto I, Bedin C, Zanon C, Digito M, Esposito G, Mescoli C, Lavitrano M, Rizzolio F, Jurisica I, Giordano A, Pucciarelli S, Nitti D. A functional biological network centered on XRCC3: a new possible marker of chemoradiotherapy resistance in rectal cancer patients. *Cancer Biol Ther*. 2015;16(8):1160-71. doi: 10.1080/15384047.2015.1046652.
450. Qiu JJ, Zeisig BB, Li S, Liu W, Chu H, Song Y, Giordano A, Schwaller J, Gronemeyer H, Dong S, So CW. Critical role of retinoid/rexinoid signaling in mediating transformation and therapeutic response of NUP98-RARG leukemia. *Leukemia*. 2015 May;29(5):1153-62. doi: 10.1038/leu.2014.334.
451. Pizzuti L, Vici P, Di Lauro L, Sergi D, Della Giulia M, Marchetti P, Maugeri-Saccà M, Giordano A, Barba M. Metformin and breast cancer: Basic knowledge in clinical context. *Cancer Treat Rev*. 2015 May;41(5):441-47. doi: 10.1016/j.ctrv.2015.03.002.
452. Falcone R, Florio TM, Di Giacomo E, Benedetti E, Cristiano L, Antonosante A, Fidoamore A, Massimi M, Alecci M, Ippoliti R, Giordano A, Cimini A. PPAR β/δ and γ in a rat model of Parkinson's disease: possible involvement in PD symptoms. *J Cell Biochem*. 2015 May;116(5):844-55. doi: 10.1002/jcb.25041.
453. Russo A, Franchina T, Ricciardi GR, Picone A, Ferraro G, Zanghì M, Toscano G, Giordano A, Adamo V. A decade of EGFR inhibition in EGFR-mutated non small cell lung cancer (NSCLC): Old successes and future perspectives. *Oncotarget*. 2015 Sep 29;6(29):26814-25. doi: 10.18632/oncotarget.4254.
454. Santoro A, Bufo P, Russo G, Cagiano S, Papagerakis S, Bucci P, Aquino G, Longo F, Feola A, Giordano A, Di Carlo A, Di Domenico M, Pannone G. Expression and clinical implication of cyclooxygenase-2 and e-cadherin in oral squamous cell carcinomas. *Cancer Biol Ther*. 2015 Jul 28:0.
455. Dráberová E, D'Agostino L, Caracciolo V, Sládková V, Sulimenko T, Sulimenko V, Sobol M, Maounis NF, Tzelepis E, Mahera E, Křen L, Legido A, Giordano A, Mörk S, Hozák P, Dráber P, Katsetos CD. Overexpression and Nucleolar Localization of γ -Tubulin Small Complex Proteins GCP2 and GCP3 in Glioblastoma. *J Neuropathol Exp Neurol*. 2015 Jul;74(7):723-42.
456. Indovina P, Pentimalli F, Casini N, Vocca I, Giordano A. RB1 dual role in proliferation and apoptosis: cell fate control and implications for cancer therapy. *Oncotarget*. 2015 Jul 20;6(20):17873-90.
457. Giansanti F, Sabatini D, Pennacchio MR, Scotti S, Angelucci F, Dhez AC, Antonosante A, Cimini A, Giordano A, Ippoliti R. PDZ Domain in the Engineering and Production of a Saporin Chimeric Toxin as a Tool for targeting Cancer Cells. *J Cell Biochem*. 2015 Jul;116(7):1256-66. doi: 10.1002/jcb.25080.

458. Bronte G, Silvestris N, Castiglia M, Galvano A, Passiglia F, Sortino G, Cicero G, Rolfo C, Peeters M, Bazan V, Fanale D, Giordano A, Russo A. New findings on primary and acquired resistance to anti-EGFR therapy in metastatic colorectal cancer: do all roads lead to RAS? *Oncotarget*. 2015 Sep 22;6(28):24780-96. doi: 10.18632/oncotarget.4959.
459. Russo A, Scognamiglio PL, Hong Enriquez RP, Santambrogio C, Grandori R, Marasco D, Giordano A, Scoles G, Fortuna S. In Silico Generation of Peptides by Replica Exchange Monte Carlo: Docking-Based Optimization of Maltose-Binding-Protein Ligands. *PLoS One*. 2015 Aug 7;10(8):e0133571. doi: 10.1371/journal.pone.0133571. eCollection 2015.
460. Cattaneo M, Pelosi E, Castelli G, Cerio AM, D'Angiò A, Porretti L, Rebulli P, Pavesi L, Russo G, Giordano A, Turri J, Cicconi L, Lo-Coco F, Testa U, Biunno I. A miRNA Signature in Human Cord Blood Stem and Progenitor Cells as Potential Biomarker of Specific Acute Myeloid Leukemia Subtypes. *J Cell Physiol*. 2015 Aug;230(8):1770-80. doi: 10.1002/jcp.24876.
461. Vici P, Crispo A, Giordano A, Di Lauro L, Sperati F, Terrenato I, Pizzuti L, Sergi D, Mottolese M, Botti C, Grimaldi M, Capasso I, D'Aiuto G, Di Bonito M, Di Paola F, Maugeri-Saccà M, Montella M, Barba M. Anthropometric, metabolic and molecular determinants of human epidermal growth factor receptor 2 expression in luminal B breast cancer. *J Cell Physiol*. 2015 Aug;230(8):1708-12. doi: 10.1002/jcp.24891.
462. Crotti S, Enzo MV, Bedin C, Pucciarelli S, Maretto I, Del Bianco P, Traldi P, Tasciotti E, Ferrari M, Rizzolio F, Toffoli G, Giordano A, Nitti D, Agostini M. Clinical predictive circulating peptides in rectal cancer patients treated with neoadjuvant chemoradiotherapy. *J Cell Physiol*. 2015 Aug;230(8):1822-8. doi: 10.1002/jcp.24894.
463. Ussai S, Petelin R, Giordano A, Malinconico M, Cirillo D, Pentimalli F. A pilot study on the impact of known drug-drug interactions in cancer patients. *J Exp Clin Cancer Res*. 2015 Aug 25;34(1):89. doi: 10.1186/s13046-015-0201-2.
464. Palma G, Frasci G, Chirico A, Esposito E, Siani C, Saturnino C, Arra C, Ciliberto G, Giordano A, D'Aiuto M. Triple negative breast cancer: looking for the missing link between biology and treatments. *Oncotarget*. 2015 Sep 29;6(29):26560-74. doi: 10.18632/oncotarget.5306.
465. Pitari MR, Rossi M, Amodio N, Botta C, Morelli E, Federico C, Gullà A, Caracciolo D, Di Martino MT, Arbitrio M, Giordano A, Tagliaferri P, Tassone P. Inhibition of miR-21 restores RANKL/OPG ratio in multiple myeloma-derived bone marrow stromal cells and impairs the resorbing activity of mature osteoclasts. *Oncotarget*. 2015 Sep 29;6(29):27343-58. doi: 10.18632/oncotarget.4398.
466. Romano M, De Francesco F, Gringeri E, Giordano A, Ferraro GA, Di Domenico M, Cillo U. Review: Tumor Microenvironment Versus Cancer Stem Cells in Cholangiocarcinoma: Synergistic Effects? *J Cell Physiol*. 2015 Sep 11. doi: 10.1002/jcp.25190.
467. Agostini M, Janssen KP, Kim LJ, D'Angelo E, Pizzini S, Zangrando A, Zanon C, Pastrello C, Maretto I, Digito M, Bedin C, Jurisica I, Rizzolio F, Giordano A, Bortoluzzi S, Nitti D, Pucciarelli S. An integrative approach for the identification of prognostic and predictive biomarkers in rectal cancer. *Oncotarget*. 2015 Oct 20;6(32):32561-74. doi: 10.18632/oncotarget.4935.
468. Bedin C, Crotti S, Ragazzi E, Pucciarelli S, Agatea L, Tasciotti E, Ferrari M, Traldi P, Rizzolio F, Giordano A, Nitti D, Agostini M. Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. *J Cell Physiol*. 2015 Sep 17.
469. Kopecka J, Porto S, Lusa S, Gazzano E, Salzano G, Giordano A, Desiderio V, Ghigo D, Caraglia M, De Rosa G, Riganti C. Self-assembling nanoparticles encapsulating zoledronic acid revert multidrug resistance in cancer cells. *Oncotarget*. 2015 Oct 13;6(31):31461-78. doi: 10.18632/oncotarget.5058.
470. Brandolini L, Cristiano L, Fidoamore A, De Pizzol M, Di Giacomo E, Florio TM, Confalone G, Galante A, Cinque B, Benedetti E, Ruffini PA, Cifone MG, Giordano A, Alecci M, Allegretti M1, Cimini A. Targeting CXCR1 on breast cancer stem cells: signaling pathways and clinical application modelling. *Oncotarget*. 2015 Dec 22;6(41):43375-94. doi: 10.18632/oncotarget.6234.
471. Benedetti E, Antonosante A, d'Angelo M, Cristiano L, Galzio R, Destouches D, Florio TM, Dhez AC, Astarita C, Cinque B, Fidoamore A, Rosati F, Cifone MG, Ippoliti R, Giordano A, Courty J, Cimini A. Nucleolin antagonist triggers autophagic cell death in human glioblastoma primary cells and decreased in vivo tumor growth in orthotopic brain tumor model. *Oncotarget*. 2015 Dec 8;6(39):42091-104. doi: 10.18632/oncotarget.5990.
472. Nami N, Feci L, Napoliello L, Giordano A, Lorenzini S, Galeazzi M, Rubegni P, Fimiani M. Crosstalk between platelets and PBMC: New evidence in wound healing. *Platelets*. 2016;27(2):143-8. doi: 10.3109/09537104.2015.1048216.

473. Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A et al. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356
474. Perillo E, Porto S, Falanga A, Zappavigna S, Stiuso P, Tirino V, Desiderio V, Papaccio G, Galdiero M, Giordano A, Galdiero S, Caraglia M. Liposome armed with herpes virus-derived gH625 peptide to overcome doxorubicin resistance in lung adenocarcinoma cell lines. *Oncotarget*. 2016 Jan 26;7(4):4077-92. doi: 10.18632/oncotarget.6013
475. Chirico A, Lucidi F, De Laurentiis M, Milanese C, Napoli A, Giordano A. Virtual Reality in Health System: Beyond Entertainment. A Mini-Review on the Efficacy of VR During Cancer Treatment. *J Cell Physiol*. 2016 Feb;231(2):275-87. doi: 10.1002/jcp.25117.
476. Alfano L, Costa C, Caporaso A, Altieri A, Indovina P, Macaluso M, Giordano A, Pentimalli F. NONO regulates the intra-S-phase checkpoint in response to UV radiation. *Oncogene*. 2016 Feb 4;35(5):567-76. doi: 10.1038/onc.2015.107
477. Morales F, Giordano A. Overview of CDK9 as a target in cancer research. *Cell Cycle*. 2016 Feb 16;15(4):519-27.
478. Fidoamore A, Cristiano L, Antonosante A, d'Angelo M, Di Giacomo E, Astarita C, Giordano A, Ippoliti R, Benedetti E, Cimini A. Glioblastoma Stem Cells Microenvironment: The Paracrine Roles of the Niche in Drug and Radioresistance Stem Cells *Int*. 2016;2016:6809105. doi: 10.1155/2016/6809105. Epub 2016 Jan 6.
479. Vici P, Pizzuti L, Di Lauro L, Conti L, Mandoj C, Antenucci A, Digiesi G, Sergi D, Amodio A, Marchetti P, Sperati F, Valle M, Garofalo A, Vizza E, Corrado G, Vincenzoni C, Tomao F, Kayal R, Marsella A, Carosi M, Antoniani B, Giordano A, Maugeri-Saccà M, Barba M. Metabolic Determinants and Anthropometric Indicators Impact Clinical-pathological Features in Epithelial Ovarian Cancer Patients. *J Cancer*. 2016 Feb 10;7(5):516-22. doi: 10.7150/jca.13578.
480. Di Lorenzo S, Fanale D, Corradino B, Caló V, Rinaldi G, Bazan V, Giordano A, Cordova A, Russo A. Absence of germline CDKN2A mutation in Sicilian patients with familial malignant melanoma: Could it be a population-specific genetic signature? *Cancer Biol Ther*. 2016;17(1):83-90. doi: 10.1080/15384047.2015.1108494.
481. Fazio G, Gaston-Massuet C, Bettini LR, Graziola F, Scagliotti V, Cereda A, Ferrari L, Mazzola M, Cazzaniga G, Giordano A, Cotelli F, Bellipanni G, Biondi A, Selicorni A, Pistocchi A, Massa V. CyclinD1 Down Regulation and Increased Apoptosis Are Common Features of Cohesinopathies. *J Cell Physiol*. 2016 Mar;231(3):613-22. doi: 10.1002/jcp.25106.
482. Ciarcia R, Damiano S, Puzo MV, Montagnaro S, Pagnini F, Pacilio C, Caparrotti G, Bellan C, Garofano T, Polito MS, Giordano A, Florio S. Comparison of Dasatinib, Nilotinib and Imatinib in the Treatment of Chronic Myeloid Leukemia. *J Cell Physiol*. 2016 Mar;231(3):680-7. doi: 10.1002/jcp.25118.
483. Benedetti E, Di Loreto S, D'Angelo B, Cristiano L, d'Angelo M, Antonosante A, Fidoamore A, Raffaella G, Cinque B, Cifone MG, Ippoliti R, Giordano A, Cimini A. The PPAR β/δ Agonist GW0742 Induces Early Neuronal Maturation of Cortical Post-Mitotic Neurons: Role of PPAR β/δ in Neuronal Maturation. *J Cell Physiol*. 2016 Mar;231(3):597-606. doi: 10.1002/jcp.25103.
484. Santini AC, Giovane G, Auletta A, Di Carlo A, Fiorelli A, Cito L, Astarita C, Giordano A, Alfano R, Feola A, Di Domenico M. Translational Research and Plasma Proteomic in Cancer. *J Cell Biochem*. 2016 Apr;117(4):828-35.
485. Moss T, Chirico A, Mallia L, Lucidi F, Fucito A, D'Aiuto M, Giordano A. Psychosocial Outcomes of Quadrantectomy Versus Mastectomy in a Southern Italian Sample: Development and Needs of the Italian Derriford Appearance Scale 24. *Anticancer Res*. 2016 Apr;36(4):1519-26.
486. Romano M, De Francesco F, Zarantonello L, Ruffolo C, Ferraro GA, Zanusi G, Giordano A, Bassi N, Cillo U. From Inflammation to Cancer in Inflammatory Bowel Disease: Molecular Perspectives. *Anticancer Res*. 2016 Apr;36(4):1447-60.
487. Barba M, Pizzuti L, Sperduti I, Natoli C, Gamucci T, Sergi D, Di Lauro L, Moschetti L, Izzo F, Rinaldi M, Mentuccia L, Vaccaro A, Iezzi L, Grassadonia A, Michelotti A, Perracchio L, Pescarmona E, Di Filippo F, Giordano A, Maugeri-Saccà M, Vici P. Body Mass Index and Treatment Outcomes in Metastatic Breast Cancer Patients Treated with Eribulin. *J Cell Physiol*. 2016 May;231(5):986-91. doi: 10.1002/jcp.25213.
488. Kopecka J, Porto S, Lusa S, Gazzano E, Salzano G, Pinzón-Daza ML, Giordano A, Desiderio V, Ghigo D, De Rosa G, Caraglia M, Riganti C. Zoledronic acid-encapsulating self-assembling nanoparticles

and doxorubicin: a combinatorial approach to overcome simultaneously chemoresistance and immunoresistance in breast tumors. *Oncotarget*. 2016 Mar 9. doi: 10.18632/oncotarget.8012.

489. Rocco G, Petitti T, Martucci N, Piccirillo MC, LA Rocca A, LA Manna C, DE Luca G, Morabito A, Chirico A, Franco R, Accardo R, Normanno N, Botti G, Lodato S, Ciliberto G, Pedicini T, Giordano A. Survival After Surgical Treatment of Lung Cancer Arising in the Population Exposed to Illegal Dumping of Toxic Waste in the Land of Fires ('Terra dei Fuochi') of Southern Italy. *Anticancer Res*. 2016 May;36(5):2119-24.

490. D'Aiuto M, Chirico A, De Riggi MA, Frasci G, De Laurentiis M, Di Bonito M, Vici P, Pizzuti L, Sergi D, Maugeri-Saccà M, Barba M, Giordano A. Body mass index and treatment outcomes following neoadjuvant therapy in women aged 45 y or younger: Evidence from a historic cohort. *Cancer Biol Ther*. 2016 May 3;17(5):470-6.

491. Fanale D, Amodeo V, Bazan V, Insalaco L, Incorvaia L, Barraco N, Castiglia M, Rizzo S, Santini D, Giordano A, Castorina S, Russo A. Can the microRNA expression profile help to identify novel targets for zoledronic acid in breast cancer? *Oncotarget*. 2016 May 17;7(20):29321-32.

492. Ciarcia R, Damiano S, Squillacioti C, Mirabella N, Pagnini U, Florio A, Severino L, Capasso G, Borrelli A, Mancini A, Boffo S, Romano G, Giordano A, Florio S. Recombinant Mitochondrial Manganese Containing Superoxide Dismutase Protects Against Ochratoxin A-Induced Nephrotoxicity. *J Cell Biochem*. 2016 Jun;117(6):1352-8.

493. De Francesco F, Romano M, Zarantonello L, Ruffolo C, Neri D, Bassi N, Giordano A, Zanusi G, Ferraro GA, Cillo U. The role of adipose stem cells in inflammatory bowel disease: From biology to novel therapeutic strategies. *Cancer Biol Ther*. 2016 Sep;17(9):889-898.

494. Di Fiore R, Drago-Ferrante R, Pentimalli F, Di Marzo D, Forte IM, Carlisi D, De Blasio A, Tesoriere G, Giordano A, Vento R. Let-7d miRNA Shows Both Antioncogenic and Oncogenic Functions in Osteosarcoma-Derived 3AB-OS Cancer Stem Cells. *J Cell Physiol*. 2016 Aug;231(8):1832-41.

495. Bellipanni G, Cappello F, Scalia F, Conway de Macario E, Macario AJ, Giordano A. Zebrafish as a Model for the Study of Chaperonopathies. *J Cell Physiol*. 2016 Oct;231(10):2107-14.

496. Di Francesco AM, Toesca A, Cenciarelli C, Giordano A, Gasbarrini A, Puglisi MA. Metabolic Modification in Gastrointestinal Cancer Stem Cells: Characteristics and Therapeutic Approaches. *J Cell Physiol*. 2016 Oct;231(10):2081-7.

497. Russo A, Scognamiglio PL, Hong Enriquez RP, Santambrogio C, Grandori R, Marasco D, Giordano A, Scoles G, Fortuna S. Correction: In Silico Generation of Peptides by Replica Exchange Monte Carlo: Docking-Based Optimization of Maltose-Binding-Protein Ligands. *PLoS One*. 2016 Oct 18;11(10):e0165349. doi: 10.1371/journal.pone.0165349. eCollection 2016. [This corrects the article DOI: 10.1371/journal.pone.0133571].

498. Miolo G, Muraro E, Caruso D, Crivellari D, Ash A, Scalone S, Lombardi D, Rizzolio F, Giordano A, Corona G. Pharmacometabolomics study identifies circulating spermidine and tryptophan as potential biomarkers associated with the complete pathological response to trastuzumab-paclitaxel neoadjuvant therapy in HER-2 positive breast cancer. *Oncotarget*. 2016 Jun 28;7(26):39809-39822.

499. Pizzuti L, Barba M, Giannarelli D, Sergi D, Botti C, Marchetti P, Anzà M, Maugeri-Saccà M, Natoli C, Filippo SD, Catenaro T, Tomao F, Amodio A, Carpano S, Perracchio L, Mottolese M, Lauro LD, Sanguineti G, Benedetto AD, Giordano A, Vici P. Neoadjuvant sequential docetaxel followed by high-dose epirubicin in combination with cyclophosphamide administered concurrently with trastuzumab: The DECT trial. *J Cell Physiol*. 2016 Nov;231(11):2541-7.

500. Alfano L, Costa C, Caporaso A, Antonini D, Giordano A, Pentimalli F. HUR protects NONO from degradation by mir320, which is induced by p53 upon UV irradiation. *Oncotarget*. 2016 Nov 22;7(47):78127-78139.

501. D'Angelo B, Benedetti E, Cimini A, Giordano A. MicroRNAs: A Puzzling Tool in Cancer Diagnostics and Therapy. *Anticancer Res*. 2016 Nov;36(11):5571-5575.

502. Russo A, Franchina T, Ricciardi GR, Fanizza C, Scimone A, Chiofalo G, Giordano A, Adamo V. Influence of EGFR mutational status on metastatic behavior in non squamous non small cell lung cancer. *Oncotarget*. 2017 Jan 31;8(5):8717-8725. doi: 10.18632/oncotarget.14427.

503. Indovina P, Casini N, Forte IM, Garofano T, Cesari D, Iannuzzi CA, Del Porro L, Pentimalli F, Napoliello L, Boffo S, Schenone S, Botta M, Giordano A. SRC Family Kinase Inhibition in Ewing Sarcoma Cells Induces p38 MAP Kinase-Mediated Cytotoxicity and Reduces Cell Migration. *J Cell Physiol*. 2017 Jan;232(1):129-135.

- 504 . Feola A, Ricci S, Kouidhi S, Rizzo A, Penon A, Formisano P, Giordano A, Di Carlo A, Di Domenico M. Multifaceted Breast Cancer: The Molecular Connection With Obesity. *J Cell Physiol.* 2017 Jan;232(1):69-77.
505. Cimini A, d'Angelo M, Benedetti E, D'Angelo B, Laurenti G, Antonosante A, Cristiano L, Di Mambro A, Barbarino M, Castelli V, Cinque B, Cifone MG, Ippoliti R, Pentimalli F, Giordano A. Flavopiridol: An Old Drug With New Perspectives? Implication for Development of New Drugs. *J Cell Physiol.* 2017 Feb;232(2):312-322.
506. Millino C, Maretto I, Pacchioni B, Digito M, De Paoli A, Canzonieri V, D'Angelo E, Agostini M, Rizzolio F, Giordano A, Barina A, Rajendran S, Esposito G, Lanfranchi G, Nitti D, Pucciarelli S. Gene and microRNA Expression Are Predictive of Tumor Response in Rectal Adenocarcinoma Patients Treated with Preoperative Chemoradiotherapy. *J Cell Physiol.* 2017 Feb;232(2):426-435.
507. Di Giacomo E, Benedetti E, Cristiano L, Antonosante A, d'Angelo M, Fidoamore A, Barone D, Moreno S, Ippoliti R, Cerù MP, Giordano A, Cimini A. Roles of PPAR transcription factors in the energetic metabolic switch occurring during adult neurogenesis. *Cell Cycle.* 2017 Jan 2;16(1):59-72.
508. Cocola C, Molgora S, Piscitelli E, Veronesi MC, Greco M, Bragato C, Moro M, Crosti M, Gray B, Milanese L, Grieco V, Luvoni GC, Kehler J, Bellipanni G, Reinbold R, Zucchi I, Giordano A. FGF2 and EGF Are Required for Self-Renewal and Organoid Formation of Canine Normal and Tumor Breast Stem Cells. *J Cell Biochem.* 2017 Mar;118(3):570-584.
509. Di Domenico M, Giovane G, Kouidhi S, Iorio R, Romano M, De Francesco F, Feola A, Siciliano C, Califano L, Giordano A. HPV epigenetic mechanisms related to Oropharyngeal and Cervix cancers. *Cancer Biol Ther.* 2017 Mar 31;0. doi: 10.1080/15384047.2017.1310349.
510. Palumbo P, Miconi G, Cinque B, Lombardi F, La Torre C, Dehcordi SR1, Galzio R, Cimini A, Giordano A, Cifone MG. NOS2 expression in glioma cell lines and glioma primary cell cultures: correlation with neurosphere generation and SOX-2 expression. *Oncotarget.* 2017 Apr 11;8(15):25582-25598. doi: 10.18632/oncotarget.16106.
511. Chirico A, Serpentine S, Merluzzi T, Mallia L, Del Bianco P, Martino R, Trentin L, Bucci E, DE Laurentiis M, Capovilla E, Lucidi F, Botti G, Giordano A. Self-efficacy for Coping Moderates the Effects of Distress on Quality of Life in Palliative Cancer Care. *Anticancer Res.* 2017 Apr;37(4):1609-1615.
512. Drago-Ferrante R, Pentimalli F, Carlisi D, De Blasio A, Saliba C, Baldacchino S, Degaetano J, Debono J, Caruana-Dingli G, Grech G, Scerri C, Tesoriere G, Giordano A, Vento R1, Di Fiore R. Suppressive role exerted by microRNA-29b-1-5p in triple negative breast cancer through SPIN1 regulation. *Oncotarget.* 2017 Apr 25;8(17):28939-28958. doi: 10.18632/oncotarget.15960.
- 513 . Brandolini L, Benedetti E, Ruffini PA, Russo R, Cristiano L, Antonosante A, d'Angelo M, Castelli V, Giordano A, Allegretti M, Cimini A. CXCR1/2 pathways in paclitaxel-induced neuropathic pain. *Oncotarget.* 2017 Apr 4;8(14):23188-23201. doi: 10.18632/oncotarget.15533.
514. Desideri G, Gentile R, Antonosante A, Benedetti E, Grassi D, Cristiano L, Manocchio A, Selli S, Ippoliti R, Ferri C, Borghi C, Giordano A, Cimini A. Uric Acid Amplifies A β Amyloid Effects Involved in the Cognitive Dysfunction/Dementia: Evidences From an Experimental Model In Vitro. *J Cell Physiol.* 2017 May;232(5):1069-1078. doi: 10.1002/jcp.25509. Epub 2016 Aug 16.
515. Carra S, Sangiorgio L, Pelucchi P, Cermenati S, Mezzelani A, Martino V, Palizban M, Albertini A, Götte M, Kehler J, Deflorian G, Beltrame M, Giordano A, Reinbold R, Cotelli F, Bellipanni G, Zucchi I. Zebrafish Tmem230a cooperates with the Delta/Notch signaling pathway to modulate endothelial cell number in angiogenic vessels. *J Cell Physiol.* 2017 May 25. doi: 10.1002/jcp.26032.
516. Di Domenico M, Giordano A. Signal transduction growth factors: the effective governance of transcription and cellular adhesion in cancer invasion. *Oncotarget.* 2017 May 30;8(22):36869-36884. doi: 10.18632/oncotarget.16300.
517. Pizzuti L, Sergi D, Mandoj C, Antoniani B, Sperati F, Chirico A, Di Lauro L, Valle M, Garofalo A, Vizza E, Corrado G, Tomao F, Rinaldi M, Carpano S, Maugeri-Saccà M, Conti L, Digiesi G, Marchetti P, De Maria R, Giordano A, Barba M, Carosi MA, Vici P. GLUT 1 receptor expression and circulating levels of fasting glucose in high grade serous ovarian cancer. *J Cell Physiol.* 2017 May 20. doi: 10.1002/jcp.26023.
518. Chirico A, Lucidi F, Merluzzi T, Alivernini F, Laurentiis M, Botti G, Giordano A. A meta-analytic review of the relationship of cancer coping self-efficacy with distress and quality of life. *Oncotarget.* 2017 May 30;8(22):36800-36811. doi: 10.18632/oncotarget.15758.
519. Crotti S, Piccoli M, Rizzolio F, Giordano A, Nitti D, Agostini M. Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior? *J Cell Physiol.* 2017 May;232(5):967-975. doi: 10.1002/jcp.25658. Epub 2016 Nov 10.

520. Kehler J, Greco M, Martino V, Pachiappan M, Yokoe H, Chen A, Yang M, Auerbach J, Jessee J, Gotte M, Milanese L, Albertini A, Bellipanni G, Zucchi I, Reinbold RA, Giordano A. RNA-Generated and Gene-Edited Induced Pluripotent Stem Cells for Disease Modeling and Therapy. *J Cell Physiol.* 2017 Jun;232(6):1262-1269.
521. Damiano S, Puzio MV, Squillacioti C, Mirabella N, Zona E, Mancini A, Borrelli A, Astarita C, Boffo S, Giordano A, Avallone L, Florio S, Ciarcia R. Effect of rMnSOD on Sodium Reabsorption in Renal Proximal Tubule in Ochratoxin A-Treated Rats. *J Cell Biochem.* 2017 Jun 7. doi: 10.1002/jcb.26197.
522. Benedetti E, d'Angelo M, Ammazalorso A, Gravina GL, Laezza C, Antonosante A, Panella G, Cinque B, Cristiano L, Dhez AC, Astarita C, Galzio R, Cifone MG, Ippoliti R, Amoroso R, Di Cesare E, Giordano A, Cimini A. PPAR α Antagonist AA452 Triggers Metabolic Reprogramming and Increases Sensitivity to Radiation Therapy in Human Glioblastoma Primary Cells. *J Cell Physiol.* 2017 Jun;232(6):1458-1466.
523. Gamucci T, Mentuccia L, Natoli C, Sperduti I, Cassano A, Michelotti A, Di Lauro L, Sergi D, Fabi A, Sarobba MG, Marchetti P, Barba M, Magnolfi E, Maugeri-Saccà M, Rossi E, Sini V, Grassadonia A, Pellegrini D, Astone A, Nisticò C, Angelini F, Vaccaro A, Pellegrino A, De Angelis C, Palleschi M, Moscetti L, Bertolini I, Buglioni S, Giordano A, Pizzuti L, Vici P. A Real-World Multicentre Retrospective Study of Paclitaxel-Bevacizumab and Maintenance Therapy as First-Line for HER2-Negative Metastatic Breast Cancer. *J Cell Physiol.* 2017 Jun;232(6):1571-1578.
524. D'Amico FE, Ruffolo C, Romano M, DI Domenico M, Sbaraglia M, Dei Tos AP, Garofalo T, Giordano A, Bassi I, Massani M. Rare Neoplasm Mimicking Neuroendocrine Pancreatic Tumor: A Case Report of Solitary Fibrous Tumor with Review of the Literature. *Anticancer Res.* 2017 Jun;37(6):3093-3097.
525. Chirico A, D'Aiuto G, Penon A, Mallia L, DE Laurentiis M, Lucidi F, Botti G, Giordano A. Self-Efficacy for Coping with Cancer Enhances the Effect of Reiki Treatments During the Pre-Surgery Phase of Breast Cancer Patients. *Anticancer Res.* 2017 Jul;37(7):3657-3665.
526. Potenza N, Mosca N, Zappavigna S, Castiello F, Panella M, Ferri C, Vanacore D, Giordano A, Stiuso P, Caraglia M, Russo A. MicroRNA-125a-5p Is a Downstream Effector of Sorafenib in its Antiproliferative Activity Toward Human Hepatocellular Carcinoma Cells. *J Cell Physiol.* 2017 Jul;232(7):1907-1913. doi: 10.1002/jcp.25744. Epub 2017 Feb 16.
527. D'Angelo B, Astarita C, Boffo S, Massaro-Giordano M, Iannuzzi C, Caporaso A, Macaluso M, Giordano A. LPS-induced inflammatory response triggers cell cycle reactivation in murine neuronal cells through retinoblastoma proteins induction. *Cell Cycle.* 2017 Aug 18:0.
528. Alessio N, Capasso S, Ferone A, Di Bernardo G, Cipollaro M, Casale F, Peluso G, Giordano A, Galderisi U. Misidentified Human Gene Functions with Mouse Models: The Case of the Retinoblastoma Gene Family in Senescence. *Neoplasia.* 2017 Aug 30;19(10):781-790. doi: 10.1016/j.neo.2017.06.005.
529. Simbiri KO, Williams CK, Macaluso M, Giordano A. Promoting Cancer Control in Africa With "Ubuntu": A Report of the African Organization For Research and Training in Africa (AORTIC) 10th Conference, 2015 in Marrakech, Morocco. *J Cell Physiol.* 2017 Sep;232(9):2287-2295. doi: 10.1002/jcp.25671. Epub 2017 Apr 12.
530. Pizzuti L, Marchetti P, Natoli C, Gamucci T, Santini D, Scinto AF, Iezzi L, Mentuccia L, D'Onofrio L, Botticelli A, Moscetti L, Sperati F, Botti C, Ferranti F, Buglioni S, Sanguineti G, Filippo SD, Lauro LD, Sergi D, Catenaro T, Tomao S, Giordano A, Maugeri-Saccà M, Barba M, Vici P. Fasting glucose and body mass index as predictors of activity in breast cancer patients treated with everolimus-exemestane: The EverExt study. *Sci Rep.* 2017 Sep 6;7(1): 10597..
531. Alfano L, Caporaso A, Altieri A, Costa C, Forte IM, Iannuzzi CA, Barone D, Esposito L, Giordano A, Pentimalli F. NONO ubiquitination is mediated by FBW7 and GSK3 β via a degron lost upon chromosomal rearrangement in cancer. *J Cell Physiol.* 2017 Nov 18.
532. Barone D, Cito L, Tommonaro G, Abate AA, Penon D, De Prisco R, Penon A, Forte IM, Benedetti E, Cimini A, Indovina P, Nicolaus B, Pentimalli F, Giordano A. Antitumoral potential, antioxidant activity and carotenoid content of two Southern Italy tomato cultivars extracts: San Marzano and Corbarino. *J Cell Physiol.* 2018 Feb;233(2):1266-1277.
533. Astarita C, D'Angelo-Maansson B, Massaro-Giordano M, Alba MP, Boffo S, Macchi I, Giordano A, Macaluso M. Effect of sex steroid hormone fluctuations in the pathophysiology of male- retinal pigment epithelial cells. *J Cell Physiol.* 2018 Jan 16
535. Caterino M, Squillaro T, Montesarchio D, Giordano A, Giancola C, Melone MAB. Huntingtin protein: A new option for fixing the Huntington's disease countdown clock. *Neuropharmacology.* 2018 Mar 8; 135:126-138.

536. Dubuc C, Savard M, Bovenzi V, Lessard A, Fortier A, Côté J, Neugebauer W, Rizzolio F, Geha S, Giordano A, Chemtob S, Gobeil F. Targeting intracellular B2 receptors using novel cell-penetrating antagonists to arrest growth and induce apoptosis in human triple-negative breast cancer. *Oncotarget*. 2018 Jan 5;9(11):9885-9906.
537. Indovina P, Barone D, Gallo L, Chirico A, De Pietro G, Antonio G. Virtual Reality as a Distraction Intervention to Relieve Pain and Distress During Medical Procedures: A Comprehensive Literature Review. *Clin J Pain*. 2018 Feb 26.
538. Boffo S, Damato A, Alfano L, Giordano A. CDK9 inhibitors in acute myeloid leukemia. *J Exp Clin Cancer Res*. 2018 Feb 23;37(1):36.
539. Melone MAB, Valentino A, Margarucci S, Galderisi U, Giordano A, Peluso G. The carnitine system and cancer metabolic plasticity. *Cell Death Dis*. 2018 Feb 14;9(2):228.
540. Damiano S, Montagnaro S, Puzio MV, Severino L, Pagnini U, Barbarino M, Cesari D, Giordano A, Florio S, Ciarcia R. Effects of antioxidants on apoptosis induced by dasatinib and nilotinib in K562 cells. *J Cell Biochem*. 2018 Jan 18. doi: 10.1002/jcb.26686.
541. Pizzuti L, Sergi D, Sperduti I, Lauro LD, Mazzotta M, Botti C, Izzo F, Marchetti L, Tomao S, Marchetti P, Natoli C, Grassadonia A, Gamucci T, Mentuccia L, Magnolfi E, Vaccaro A, Cassano A, Rossi E, Botticelli A, Sini V, Sarobba MG, Fabbri MA, Moschetti L, Astone A, Michelotti A, De Angelis C, Bertolini I, Angelini F, Ciliberto G, Maugeri-Saccà M, Giordano A, Barba M, Vici P. Body mass index in HER2-negative metastatic breast cancer treated with first-line paclitaxel and bevacizumab. *Cancer Biol Ther*. 2018 Jan 16:1-7.
542. Dhez AC, Benedetti E, Antonosante A, Panella G, Ranieri B, Florio TM, Cristiano L, Angelucci F, Giansanti F, Di Leandro L, d'Angelo M, Melone M, De Cola A, Federici L, Galzio R, Cascone I, Raineri F, Cimini A, Courty J, Giordano A, Ippoliti R. Targeted therapy of human glioblastoma via delivery of a toxin through a peptide directed to cell surface nucleolin. *J Cell Physiol*. 2018 May;233(5):4091-4105.
543. Brandolini L, d'Angelo M, Antonosante A, Villa S, Cristiano L, Castelli V, Benedetti E, Catanesi M, Aramini A, Luini A, Parashuraman S, Mayo E, Giordano A, Cimini A, Allegretti M. Differential protein modulation by ketoprofen and ibuprofen underlines different cellular response by gastric epithelium. *J Cell Physiol*. 2018 Mar;233(3):2304-2312. doi: 10.1002/jcp.26102. Epub 2017 Aug 25.
544. Carra S, Sangiorgio L, Pelucchi P, Cermenati S, Mezzelani A, Martino V, Palizban M, Albertini A, Götte M, Kehler J, Deflorian G, Beltrame M, Giordano A, Reinbold R, Cotelli F, Bellipanni G, Zucchi I. Zebrafish Tmem230a cooperates with the Delta/Notch signaling pathway to modulate endothelial cell number in angiogenic vessels. *J Cell Physiol*. 2018 Feb;233(2):1455-1467.
545. Poyatos F, Morales F, Nicholson AW, Giordano A. Physiology of biodeterioration on canvas paintings. *J Cell Physiol*. 2018 Apr;233(4):2741-2751.
546. Gamucci T, Pizzuti L, Sperduti I, Mentuccia L, Vaccaro A, Moschetti L, Marchetti P, Carbognin L, Michelotti A, Iezzi L, Cassano A, Grassadonia A, Astone A, Botticelli A, Magnolfi E, Di Lauro L, Sergi D, Fuso P, Tinari N, Barba M, Maugeri-Saccà M, Landucci E, Conti F, Sanguineti G, De Tursi M, Iafrate G, Giordano A, Ciliberto G, Natoli C, Vici P. Neoadjuvant chemotherapy in triple-negative breast cancer: A multicentric retrospective observational study in real-life setting. *J Cell Physiol*. 2018 Mar;233(3):2313-2323.
547. Franco LC, Morales F, Boffo S, Giordano A. CDK9: A key player in cancer and other diseases. *J Cell Biochem*. 2018 Feb;119(2):1273-1284.
548. Marchesi I, Sanna L, Fais M, Fiorentino FP, Giordano A, Bagella L. 12-O-tetradecanoylphorbol-13-acetate and EZH2 inhibition: A novel approach for promoting myogenic differentiation in embryonal rhabdomyosarcoma cells. *J Cell Physiol*. 2018 Mar;233(3):2360-2365.
549. Terrenato I, Sperati F, Musicco F, Pozzi AF, di Turi A, Caterino M, de Lutio di Castelguidone E, Setola SV, Bellomi M, Neumaier CE, Conti L, Cigliana G, Merola R, Antenucci A, Orlandi G, Giordano A, Barba M, Canitano S. Iodixanol versus iopromide in cancer patients: Evidence from a randomized clinical trial. *J Cell Physiol*. 2018 Mar;233(3):2572-2580.
550. Tini P, Nardone V, Pastina P, Pirtoli L, Correale P, Giordano A. The effects of radiotherapy on the survival of patients with unresectable non-small cell lung cancer. *Expert Rev Anticancer Ther*. 2018 Jun;18(6):593-602.
551. Squillaro T, Schettino C, Sampaolo S, Galderisi U, Di Iorio G, Giordano A, Melone MAB. Adult-onset brain tumors and neurodegeneration: Are polyphenols protective? *J Cell Physiol*. 2018 May;233(5):3955-3967.

552. Pascarella A, Terracciano C, Farina O, Lombardi L, Esposito T, Napolitano F, Franzese G, Panella G, Tuccillo F, la Marca G, Bernardini S, Boffo S, Giordano A, Di Iorio G, Melone MAB, Sampaolo S. Vacuolated PAS-positive lymphocytes as an hallmark of Pompe disease and other myopathies related to impaired autophagy. *J Cell Physiol.* 2018 Aug;233(8):5829-5837.
553. Piccoli M, D'Angelo E, Crotti S, Sensi F, Urbani L, Maghin E, Burns A, De Coppi P, Fassan M, Rugge M, Rizzolio F, Giordano A, Pilati P, Mammano E, Pucciarelli S, Agostini M. Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. *J Cell Physiol.* 2018 Aug;233(8):5937-5948.
554. Galli F, Chirico A, Mallia L, Girelli L, De Laurentiis M, Lucidi F, Giordano A, Botti G. Active lifestyles in older adults: an integrated predictive model of physical activity and exercise. *Oncotarget.* 2018 May 22;9(39):25402-25413.
555. Antonosante A, d'Angelo M, Castelli V, Catanesi M, Iannotta D, Giordano A, Ippoliti R, Benedetti E, Cimini A. The Involvement of PPARs in the Peculiar Energetic Metabolism of Tumor Cells. *Int J Mol Sci.* 2018 Jun 29;19(7). pii: E1907.
556. Pentimalli F, Forte IM, Esposito L, Indovina P, Iannuzzi CA, Alfano L, Costa C, Barone D, Rocco G, Giordano A. RBL2/p130 is a direct AKT target and is required to induce apoptosis upon AKT inhibition in lung cancer and mesothelioma cell lines. *Oncogene.* 2018 Jul;37(27):3657-3671.
557. Barbarino M, Cesari D, Intruglio R, Indovina P, Namagerdi A, Bertolino FM, Bottaro M, Rahmani D, Bellan C, Giordano A. Possible repurposing of pyrvinium pamoate for the treatment of mesothelioma: A pre-clinical assessment. *J Cell Physiol.* 2018 Sep;233(9):7391-7401. doi: 10.1002/jcp.26579
558. Russo A, Franchina T, Ricciardi GRR, Battaglia A, Scimone A, Berenato R, Giordano A, Adamo V. Baseline neutrophilia, derived neutrophil-to-lymphocyte ratio (dNLR), platelet-to-lymphocyte ratio (PLR), and outcome in non small cell lung cancer (NSCLC) treated with Nivolumab or Docetaxel. *J Cell Physiol.* 2018 Apr 19.
559. Correale P, Botta C, Staropoli N, Nardone V, Pastina P, Ulivieri C, Gandolfo C, Baldari TC, Lazzi S, Ciliberto D, Giannicola R, Fioravanti A, Giordano A, Zappavigna S, Caraglia M, Tassone P, Pirtoli L, Cusi MG, Tagliaferri P. Systemic inflammatory status predict the outcome of k-RAS WT metastatic colorectal cancer patients receiving the thymidylate synthase poly-epitope-peptide anticancer vaccine. *Oncotarget.* 2018 Apr 17;9(29):20539-20554.
560. Mandoj C, Pizzuti L, Sergi D, Sperduti I, Mazzotta M, Di Lauro L, Amodio A, Carpano S, Di Benedetto A, Botti C, Ferranti F, Antenucci A, D'Alessandro MG, Marchetti P, Tomao S, Sanguineti G, Giordano A, Maugeri-Saccà M, Ciliberto G, Conti L, Vici P, Barba M. Observational study of coagulation activation in early breast cancer: development of a prognostic model based on data from the real world setting. *J Transl Med.* 2018 May 16;16(1):129.
561. Damiano S, Navas L, Lombardi P, Montagnaro S, Forte IM, Giordano A, Florio S, Ciarcia R. Effects of δ -tocotrienol on ochratoxin A-induced nephrotoxicity in rats. *J Cell Physiol.* 2018 May 18.
562. Ferrari L, Bragato C, Brioschi L, Spreafico M, Esposito S, Pezzotta A, Pizzetti F, Moreno-Fortuny A, Bellipanni G, Giordano A, Riva P, Frabetti F, Viani P, Cossu G, Mora M, Marozzi A, Pistocchi A. HDAC8 regulates canonical Wnt pathway to promote differentiation in skeletal muscles. *J Cell Physiol.* 2018 Sept 24.
563. Di Cristo F, Finicelli M, Digilio FA, Paladino S, Valentino A, Scialò F, D'Apolito M, Saturnino C, Galderisi U, Giordano A, Melone MAB, Peluso G. Meldonium improves Huntington's disease mitochondrial dysfunction by restoring peroxisome proliferator-activated receptor γ coactivator 1 α expression. *Physiol.* 2018 Oct 26.
564. Gamucci T, Pizzuti L, Natoli C, Mentuccia L, Sperduti I, Barba M, Sergi D, Iezzi L, Maugeri-Saccà M, Vaccaro A, Magnolfi E, Gelibter A, Barchiesi G, Magri V, D'Onofrio L, Cassano A, Rossi E, Botticelli A, Moscetti L, Omarini C, Fabbri MA, Scinto AF, Corsi D, Carbognin L, Mazzotta M, Bria E, Foglietta J, Samaritani R, Garufi C, Mariani L, Barni S, Mirabelli R, Sarmiento R, Graziano V, Santini D, Marchetti P, Tonini G, Di Lauro L, Sanguineti G, Paoletti G, Tomao S, De Maria R, Veltri E, Paris I, Giotta F, Latorre A, Giordano A, Ciliberto G, Vici P. A multicenter REtrospective observational study of first-line treatment with PERTuzumab, trastuzumab and taxanes for advanced HER2 positive breast cancer patients. *RePer Study. Cancer Biol Ther.* 2018 Nov 7
565. Montagnaro S, Damiano S, Ciarcia R, Puzio MV, Ferrara G, Iovane V, Forte IM, Giordano A, Pagnini U. Caprine herpesvirus 1 (CpHV-1) as a potential candidate for oncolytic virotherapy. *Cancer Biol Ther.* 2018 Nov 8

566. Chirico A, Fegatelli D, Galli F, Mallia L, Alivernini F, Cordone S, Giancamilli F, Pecci S, Tosi GM, Giordano A, Lucidi F, Massaro M. A study of quiet eye's phenomenon in the shooting section of "laser run" of modern pentathlon. *J Cell Physiol.* 2018 Nov 15
567. Di Domenico M, Pozzi D, Palchetti S, Digiacomo L, Iorio R, Astarita C, Fiorelli A, Pierdiluca M, Santini M, Barbarino M, Giordano A, Carlo AD, Frati L, Mahmoudi M, Caracciolo G. Nanoparticle-biomolecular corona: A new approach for the early detection of non-small-cell lung cancer. *J Cell Physiol.* 2018
568. Pizzuti L, Giordano A, Michelotti A, Mazzotta M, Natoli C, Gamucci T, De Angelis C, Landucci E, Diodati L, Iezzi L, Mentuccia L, Fabbri A, Barba M, Sanguineti G, Marchetti P, Tomao S, Mariani L, Paris I, Lorusso V, Vallarelli S, Cassano A, Airolidi F, Orlandi A, Moschetti L, Sergi D, Sarobba MG, Tonini G, Santini D, Sini V, Veltri E, Vaccaro A, Ferrari L, De Tursi M, Tinari N, Grassadonia A, Greco F, Botticelli A, La Verde N, Zamagni C, Rubino D, Cortesi E, Magri V, Pomati G, Scagnoli S, Capomolla E, Kayal R, Scinto AF, Corsi D, Cazzaniga M, Laudadio L, Forciniti S, Mancini M, Carbognin L, Seminara P, Barni S, Samaritani R, Roselli M, Portarena I, Russo A, Ficorella C, Cannita K, Carpano S, Pistelli M, Berardi R, De Maria R, Sperduti I, Ciliberto G, Vici P. Palbociclib plus endocrine therapy in HER2 negative, hormonal receptor-positive, advanced breast cancer: A real-world experience. *J Cell Physiol.* 2018
569. Ricci S, Pinto F, Auletta A, Giordano A, Giovane A, Settembre G, Boccellino M, Boffo S, Di Carlo A, Di Domenico M The enigmatic role of matrix metalloproteinases in epithelial-to-mesenchymal transition of oral squamous cell carcinoma: Implications and nutraceutical aspects. *J Cell Biochem.* 2019
570. Russo Spena C, De Stefano L, Poli G, Granchi C, El Boustani M, Ecce F, Grassi G, Grassi M, Canzonieri V, Giordano A, Tuccinardi T, Caligiuri I, Rizzolio F. Virtual screening identifies a PIN1 inhibitor with possible antiovarian cancer effects. *J Cell Physiol.* 2019
571. Mancuso P, Tricarico R, Bhattacharjee V, Cosentino L, Kadariya Y, Jelinek J, Nicolas E, Einarson M, Beeharry N, Devarajan K, Katz RA, Dorjsuren DG, Sun H, Simeonov A, Giordano A, Testa JR, Davidson G, Davidson I, Larue L, Sobol RW, Yen TJ, Bellacosa A. Thymine DNA glycosylase as a novel target for melanoma. *Oncogene.* 2019
572. Guazzelli A, Meysami P, Bakker E, Demonacos C, Giordano A, Krstic-Demonacos M, Mutti L. *BAP1* Status Determines the Sensitivity of Malignant Mesothelioma Cells to Gemcitabine Treatment. *Int J Mol Sci.* 2019
573. El Boustani M, De Stefano L, Caligiuri I, Mouawad N, Granchi C, Canzonieri V, Tuccinardi T, Giordano A, Rizzolio F. A Guide to PIN1 Function and Mutations Across Cancers. *Front Pharmacol.* 2019
574. Lapillo M, Tuccinardi T, Martinelli A, Macchia M, Giordano A, Poli G. Extensive Reliability Evaluation of Docking-Based Target-Fishing Strategies. *Int J Mol Sci.* 2019
575. Alfano L, Caporaso A, Altieri A, Dell'Aquila M, Landi C, Bini L, Pentimalli F, Giordano A. Depletion of the RNA binding protein HNRNPD impairs homologous recombination by inhibiting DNA-end resection and inducing R-loop accumulation. *Nucleic Acids Res.* 2019
576. Perrone AM, Bovicelli A, D'Andrilli G, Borghese G, Giordano A, De Iaco P. Cervical cancer in pregnancy: Analysis of the literature and innovative approaches. *J Cell Physiol.* 2019
577. Botti G, Giordano A, Feroce F, De Chiara AR, Cantile M. Noncoding RNAs as circulating biomarkers in osteosarcoma patients. *J Cell Physiol.* 2019 Apr 29
578. Forte IM, Indovina P, Iannuzzi CA, Cirillo D, Di Marzo D, Barone D, Capone F, Pentimalli F, Giordano A. "A targeted therapy based on p53 reactivation tackles both glioblastoma cell growth and resistance to temozolomide" *International Journal of Oncology* 2019
579. Nardone V, Nanni S, Pastina P, Vinciguerra C, Cerase A, Correale P, Guida C, Giordano A, Tini P, Reginelli A, Cappabianca S, Pirtoli L. Role of perilesional edema and tumor volume in the prognosis of non-small cell lung cancer (NSCLC) undergoing radiosurgery (SRS) for brain metastases. *Strahlenther Onkol.* 2019
580. Damiano S, Lombardi P, Salvi E, Papale M, Giordano A, Amenta M, Ballistreri G, Fabroni S, Rapisarda P, Capasso G, Forte IM, Barone D, Ciarcia R. A red orange and lemon by-products extract rich in anthocyanins inhibits the progression of diabetic nephropathy. *J Cell Physiol.* 2019
581. Indovina P, Pentimalli F, Conti D, Giordano A. Translating RB1 Predictive Value in Clinical Cancer Therapy: Are We There Yet? *Biochem Pharmacol.* 2019
582. Senesi L, Pangrazi PP, Marchesini A, DE Francesco F, Giordano A, Gigante A, Riccio M. A Rare Case of Distal Interphalangeal Chondromatosis in the Middle Finger: Case Report With Review of Literature. *Anticancer Res.* 2019

583. Boccellino M, Pinto F, Ieluzzi V, Giovane A, Quagliuolo L, Fariello C, Coppola M, Carlucci A, Santini M, Ferati K, Bexheti-Ferati A, Giordano A, Di Domenico M. Proteomics analysis of human serum of patients with non-small-cell lung cancer reveals proteins as diagnostic biomarker candidates. *J Cell Physiol.* 2019
584. Sarah Di Somma, Carmelina Antonella Iannuzzi, Carmela Passaro, Iris Maria Forte, Raffaella Iannone, Gigantino Vincenzo, Paola Indovina, Gerardo Botti, Antonio Giordano, Pietro Formisano, Giuseppe Portella, Anna Maria Anna Malfitano, Francesca Pentimalli. The Oncolytic Virus dl922-947 Triggers Immunogenic Cell Death in Mesothelioma and Reduces Xenograft Growth. *Frontiers in Oncology* 2019.
585. Pierluigi Scalia, Giuseppe Pandini, Vincenzo Carnevale, Antonio Giordano and Stephen J. Williams Identification of a novel EphB4 phosphodegion regulated by the autocrine IGFII/IRA axis in malignant mesothelioma. *Oncogene* 2019
586. La Montagna R, Canonico R, Alfano L, Bucci E, Boffo S, Staiano L, Fulco B, D'Andrea E, De Nicola A, Maiorano P, D'Angelo C, Chirico A, De Nicola A, Giordano A. Genomic analysis reveals association of specific SNPs with athletic performance and susceptibility to injuries in professional soccer players. *J Cell Physiol.* 2019
587. Cheleschi S, Tenti S, Mondanelli N, Corallo C, Barbarino M, Giannotti S, Gallo I, Giordano A, Fioravanti A. MicroRNA-34a and MicroRNA-181a Mediate Visfatin-Induced Apoptosis and Oxidative Stress via NF- κ B Pathway in Human Osteoarthritic Chondrocytes. *Cells* 2019
588. Brandolini L, Castelli V, Aramini A, Giorgio C, Bianchini G, Russo R, De Caro C, d'Angelo M, Catanesi M, Benedetti E, Giordano A, Cimini A, Allegretti M. DF2726A, a new IL-8 signalling inhibitor, is able to counteract chemotherapy-induced neuropathic pain. *Sci Rep.* 2019
589. Giordano A, Tommonaro G. Curcumin and Cancer. *Nutrients.* 2019
590. Mancuso P, Tricarico R, Bhattacharjee V, Cosentino L, Kadariya Y, Jelinek J, Nicolas E, Einarson M, Beeharry N, Devarajan K, Katz RA, Dorjsuren DG, Sun H, Simeonov A, Giordano A, Testa JR, Davidson G, Davidson I, Larue L, Sobol RW, Yen TJ, Bellacosa A. Thymine DNA glycosylase as a novel target for melanoma. *Oncogene.* 2019
591. Cheleschi S, Gallo I, Barbarino M, Giannotti S, Mondanelli N, Giordano A, Tenti S, Fioravanti A.. MicroRNA Mediate Visfatin and Resistin Induction of Oxidative Stress in Human Osteoarthritic Synovial Fibroblasts Via NF- κ B Pathway. *Int J Mol Sci.* 2019
592. Pippa R, Boffo S, Odero MD, Giordano A. Data mining analysis of the PP2A cell cycle axis in mesothelioma patients. *J Cell Physiol.* 2019
593. Forte IM, Indovina P, Costa A, Iannuzzi CA, Costanzo L, Marfella A, Montagnaro S, Botti G, Bucci E, Giordano A. Blood screening for heavy metals and organic pollutants in cancer patients exposed to toxic waste in southern Italy: A pilot study. *J Cell Physiol.* 2020
594. Castelli V, Piroli A, Marinangeli F, d'Angelo M, Benedetti E, Ippoliti R, Zis P, Varrassi G, Giordano A, Paladini A, Cimini A. Local anesthetics counteract cell proliferation and migration of human triple-negative breast cancer and melanoma cells. *J Cell Physiol.* 2020
595. Damiano S, Iovane V, Squillacioti C, Mirabella N, Prisco F, Ariano A, Amenta M, Giordano A, Florio S, Ciarcia R. Red orange and lemon extract prevents the renal toxicity induced by ochratoxin A in rats. *J Cell Physiol.* 2020
596. Barbarino M, Bottaro M, Luzzi L, Giordano A, Mutti L. Tumour Treating Fields for mesothelioma. *Lancet Oncol.* 2020
597. Krasniqi E, Pizzuti L, Barchiesi G, Sergi D, Carpano S, Botti C, Kayal R, Sanguineti G, Marchetti P, Botticelli A, Marinelli D, Gamucci T, Natoli C, Grassadonia A, Tinari N, Tomao S, Tonini G, Santini D, Michelotti A, Mentuccia L, Vaccaro A, Magnolfi E, Gelibter A, Magri V, Cortesi E, D'Onofrio L, Cassano A, Cazzaniga M, Moschetti L, Fabbri A, Scinto AF, Corsi D, Carbognin L, Bria E, La Verde N, Garufi C, Di Stefano P, Mirabelli R, Veltri E, Paris I, Giotta F, Lorusso V, Landucci E, Ficorella C, Roselli M, Adamo V, Ricciardi G, Russo A, Valerio MR, Berardi R, Pistelli M, Cannita K, Zamagni C, Garrone O, Baldini E, Livi L, Meattini I, Del Medico P, Generali D, De Maria R, Risi E, Ciliberto G, Villa A, Sperduti I, Mazzotta M, Barba M, Giordano A, Vici P. Impact of BMI on HER2+ metastatic breast cancer patients treated with pertuzumab and/or trastuzumab emtansine. Real-world evidence. *J Cell Physiol.* 2020
598. Chirico A, Maiorano P, Indovina P, Milanese C, Giordano GG, Alivernini F, Iodice G, Gallo L, De Pietro G, Lucidi F, Botti G, De Laurentiis M, Giordano A. Virtual reality and music therapy as distraction interventions to alleviate anxiety and improve mood states in breast cancer patients during chemotherapy. *J Cell Physiol.* 2020

599. Antonosante A, Brandolini L, d'Angelo M, Benedetti E, Castelli V, Del Maestro M, Luzzi S, Giordano A, Cimini A, Allegretti M. Autocrine CXCL8-dependent invasiveness triggers modulation of actin cytoskeletal network and cell dynamics. *Aging (Albany NY)*. 2020
600. Scalia P, Giordano A, Williams SJ. The IGF-II-Insulin Receptor Isoform-A Autocrine Signal in Cancer: Actionable Perspectives. *Cancers (Basel)*. 2020
601. Fioravanti A, Pirtoli L, Giordano A, Dotta F. Crosstalk between MicroRNA and Oxidative Stress in Physiology and Pathology. *Int J Mol Sci*. 2020
- Virtual Reality for the Assessment of Everyday Cognitive Functions in Older Adults: An Evaluation of the
602. Chirico A, Giovannetti T, Neroni P, Simone S, Gallo L, Galli F, Giancamilli F, Predazzi M, Lucidi F, De Pietro G, Giordano A. Virtual Reality Action Test and Two Interaction Devices in a 91-Year-Old Woman. *Front Psychol*. 2020
603. Baldi A, De Luca A, Maiorano P, D'Angelo C, Giordano A. Curcumin as an Anticancer Agent in Malignant Mesothelioma: A Review. *Int J Mol Sci*. 2020
604. Castelli V, d'Angelo M, Lombardi F, Alfonsetti M, Antonosante A, Catanesi M, Benedetti E, Palumbo P, Cifone MG, Giordano A, Desideri G, Cimini A. Effects of the probiotic formulation SLAB51 in in vitro and in vivo Parkinson's disease models. *Aging (Albany NY)*. 2020
605. Mijit M, Caracciolo V, Melillo A, Amicarelli F, Giordano A. Role of p53 in the Regulation of Cellular Senescence. *Biomolecules*. 2020
606. Barbarino M, Cesari D, Bottaro M, Luzzi L, Namagerdi A, Bertolino FM, Bellan C, Proietti F, Somma P, Micheli M, de Santi MM, Guazzo R, Mutti L, Pirtoli L, Paladini P, Indovina P, Giordano A. PRMT5 silencing selectively affects MTAP-deleted mesothelioma: In vitro evidence of a novel promising approach. *J Cell Mol Med*. 2020
607. Canonico B, Cesarini E, Montanari M, Di Sario G, Campana R, Galluzzi L, Sola F, Gundogdu O, Luchetti F, Diotallevi A, Baffone W, Giordano A, Papa S. Rapamycin Re-Directs Lysosome Network, Stimulates ER-Remodeling, Involving Membrane CD317 and Affecting Exocytosis, in *Campylobacter Jejuni*-Lysate-Infected U937 Cells. *Int J Mol Sci*. 2020
608. Pierpaolo Correale, Rita Emilena Saladino, Diana Giannarelli, Rocco Giannicola, Rita Agostino, Nicoletta Staropoli, Alessandra Strangio, Teresa Del Giudice, Valerio Nardone, Maria Altomonte, Pierpaolo Pastina, Paolo Tini, Antonia Consuelo Falzea, Natale Imbesi, Valentina Arcati, Giuseppa Romeo, Daniele Caracciolo, Amalia Luce, Michele Caraglia, Antonio Giordano, Luigi Pirtoli, Alois Necas, Evzen Amler, Vito Barbieri, Pierfrancesco Tassone, Pierosandro Tagliaferri. Distinctive Germline Expression of Class I Human Leukocyte Antigen (HLA) Alleles and DRB1 Heterozygosity Predict the Outcome of Patients With Non-Small Cell Lung Cancer Receiving PD-1/PD-L1 Immune Checkpoint Blockade. *J Immunother Cancer* 2020
609. Mutti L, Pentimalli F, Baglio G, Maiorano P, Saladino RE, Correale P, Giordano A. Coronavirus Disease (Covid-19): What Are We Learning in a Country With High Mortality Rate? *Front Immunol*. 2020
610. Indovina P, Forte IM, Pentimalli F, Giordano A. Targeting SRC family kinases in mesothelioma: time to upgrade. *Cancers* 2020
611. Costa C, Indovina P, Mattioli E, Forte IM, Iannuzzi CA, Luzzi L, Bellan C, De Summa S, Bucci E, Di Marzo D, De feo M, Mutti L, Giordano A and Pentimalli F. P53-regulated miR-320a targets PDL1 and is downregulated in malignant mesothelioma. *Cell Death and Dis* 2020
612. Cavalli E, Bramanti A, Ciurleo R, Tchobanov AI, Giordano A, Fagone P, Belizna C, Bramanti P, Shoenfeld Y, Nicoletti F. Entangling COVID-19 associated thrombosis into a secondary antiphospholipid antibody syndrome: Diagnostic and therapeutic perspectives. *Int J Mol Med*. 2020
613. Dell'Anno I, Barbarino M, Barone E, Giordano A, Luzzi L, Bottaro M, Migliore L, Agostini S, Melani A, Melaiu O, Catalano C, Cipollini M, Silvestri R, Corrado A, Gemignani F, Landi S. EIF4G1 and RAN as Possible Drivers for Malignant Pleural Mesothelioma. *Int J Mol Sci*. 2020
614. Zito Marino F, Botti G, Aquino G, Ferrero S, Gaudioso G, Palleschi A, Rocco D, Salvi R, Micheli MC, Micheli P, Morabito A, Rocco G, Giordano A, De Cecio R, Franco R. Unproductive Effects of ALK Gene Amplification and Copy Number Gain in Non-Small-Cell Lung Cancer. ALK Gene Amplification and Copy Gain in NSCLC. *Int J Mol Sci*. 2020
615. Sirangelo I, Sapio L, Ragone A, Naviglio S, Iannuzzi C, Barone D, Giordano A, Borriello M. Vanillin Prevents Doxorubicin-Induced Apoptosis and Oxidative Stress in Rat H9c2 Cardiomyocytes. *Nutrients*. 2020
616. Correale P, Saladino RE, Giannarelli D, Sergi A, Mazzei MA, Bianco G, Giannicola R, Iuliano E, Forte IM, Calandruccio ND, Falzea AC, Strangio A, Nardone V, Pastina P, Tini P, Luce A, Caraglia M,

- Caracciolo D, Mutti L, Tassone P, Pirtoli L, Giordano A and Tagliaferri P. HLA Expression Correlates to the Risk of Immune Checkpoint Inhibitor-Induced Pneumonitis. *Cells* 2020
617. Iannuzzi CA, Indovina P, Forte IM, Di Somma S, Malfitano AM, Bruno M, Portella G, Pentimalli F and Giordano A. Pharmacological inhibition of WEE1 potentiates the antitumoral effect of the dl922-947 oncolytic virus in malignant mesothelioma cell lines. *IJMS* 2020
618. Catanesi M, d'Angelo M, Tupone MG, Benedetti E, Giordano A, Castelli V, Cimini A. MicroRNAs Dysregulation and Mitochondrial Dysfunction in Neurodegenerative Diseases. *Int J Mol Sci.* 2020
619. Caputo R, Cianniello D, Giordano A, Piezzo M, Riemma M, Trovò M, Berretta M, De Laurentiis M. Gene Expression Assay in the Management of Early Breast Cancer. *Curr Med Chem.* 2020
620. Valeria Masciullo, Paola Valdivieso, Giulia Amadio, Angela Santoro, Giuseppe Angelico, Alessandro Sgambato, Silvia Boffo, Antonio Giordano, Giovanni Scambia, Gian Franco Zannoni. Role of Retinoblastoma Protein Family (Rb/p105 and Rb2/p130) Expression in the Histopathological Classification of Borderline Ovarian Tumors. *Front Med (Lausanne)* 2020
621. Vanessa Castelli, Francesco Melani, Claudio Ferri, Michele d'Angelo, Mariano Catanesi, Davide Grassi, Elisabetta Benedetti, Antonio Giordano, Annamaria Cimini, Giovambattista Desideri. Neuroprotective activities of bacopa, lycopene, astaxanthin, and vitamin B12 combination on oxidative stress-dependent neuronal death. *J Cell Biochem* 2020
622. Benot-Dominguez R, Tupone MG, Castelli V, D'Angelo M, Benedetti E, Quintiliani M, Cinque B, Forte IM, Cifone MG, Ippoliti R, Barboni B, Giordano A and Cimini A. Olive leaf extract impairs mitochondria by pro-oxidant activity in MDA-MB-231 and OVCAR-3 cancer cells. *Biomedicine & Pharmacotherapy* 2020
623. Asadoor Amirkhani Namagerdi, Danila d'Angelo, Francesca Ciani, Carmelina Antonella Iannuzzi, Francesco Napolitano, Luigi Avallone, Michelino De Laurentiis, Antonio Giordano. Triple-Negative Breast Cancer Comparison With Canine Mammary Tumors From Light Microscopy to Molecular Pathology. *Front Oncol* 2020
624. Giulia Dondi, Sara Coluccelli, Antonio De Leo, Simona Ferrari, Elisa Gruppioni, Alessandro Bovicelli, Lea Godino, Camelia Alexandra Coadă, Alessio Giuseppe Morganti, Antonio Giordano, Donatella Santini, Claudio Ceccarelli, Daniela Turchetti, Pierandrea De Iaco, Anna Myriam Perrone. An Analysis of Clinical, Surgical, Pathological and Molecular Characteristics of Endometrial Cancer According to Mismatch Repair Status. A Multidisciplinary Approach. *Int J Mol Sci* 2020
625. Costagliola A, Liguori G, d'Angelo D, Costa C, Ciani F, Giordano A. Do Animals Play a Role in the Transmission of Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2)? A Commentary. *Animals (Basel).* 2020
626. Castelli V, Giordano A, Benedetti E, Giansanti F, Quintiliani M, Cimini A, d'Angelo M. The Great Escape: The Power of Cancer Stem Cells to Evade Programmed Cell Death. *Cancers (Basel).* 2021
627. Di Fiore R, Suleiman S, Ellul B, O'Toole SA, Savona-Ventura C, Felix A, Napolioni V, Conlon NT, Erson-Bensan AE, Kahramanoglu I, Azzopardi MJ, Dalmas M, Calleja N, Brincat MR, Muscat-Baron Y, Sabol M, Dimitrievska V, Yordanov A, Vasileva-Slaveva M, von Brockdorff K, Micallef RA, Kubelac P, Achimaş-Cadariu P, Vlad C, Tzortzatou O, Poka R, Giordano A, Felice A, Reed N, Herrington CS, Faraggi D, Calleja-Agius J. GYNOCARE Update: Modern Strategies to Improve Diagnosis and Treatment of Rare Gynecologic Tumors-Current Challenges and Future Directions. *Cancers (Basel).* 2021
628. Barbarino M, Giordano A. Assessment of the Carcinogenicity of Carbon Nanotubes in the Respiratory System. *Cancers (Basel).* 2021
- Share
629. Correale P, Pentimalli F, Baglio G, Krstic-Demonacos M, Saladino RE, Giordano A, Mutti L. Is There Already a Need of Reckoning on Cancer Immunotherapy? *Front Pharmacol.* 2021 Mar
630. Dell'Anno I, Martin SA, Barbarino M, Melani A, Silvestri R, Bottaro M, Paolicchi E, Corrado A, Cipollini M, Melaiu O, Giordano A, Luzzi L, Gemignani F, Landi S. Drug-repositioning screening identified fludarabine and risedronic acid as potential therapeutic compounds for malignant pleural mesothelioma. *Invest New Drugs.* 2021
631. Krasniqi E, Pizzuti L, Valerio MR, Capomolla E, Botti C, Sanguineti G, Marchetti P, Anselmi E, Tomao S, Giordano A, Ficorella C, Cannita K, Livi L, Meattini I, Mauri M, Greco F, Veltri EM, Michelotti A, Moscetti L, Giotta F, Lorusso V, Paris I, Tomao F, Santini D, Tonini G, Villa A, Gebbia V, Gamucci T, Ciliberto G, Sperduti I, Mazzotta M, Barba M, Vici P. Second-line Eribulin in Triple Negative Metastatic Breast Cancer patients. Multicentre Retrospective Study: The TETRIS Trial. *Int J Med Sci.* 2021

632. Di Fiore R, Suleiman S, Pentimalli F, O'Toole SA, O'Leary JJ, Ward MP, Conlon NT, Sabol M, Ozretić P, Erson-Bensan AE, Reed N, Giordano A, Herrington CS, Calleja-Agius J. Could MicroRNAs Be Useful Tools to Improve the Diagnosis and Treatment of Rare Gynecological Cancers? A Brief Overview. *Int J Mol Sci*. 2021
633. Krasniqi E, Barba M, Venuti A, Pizzuti L, Cappuzzo F, Landi L, Carpano S, Marchetti P, Villa A, Vizza E, Giuliano G, Mazzotta M, Marinelli D, Gnignera S, Vincenzoni C, Stranges V, Sergi D, Giordano A, Tomao F, Maugeri-Saccà M, Sanguineti G, Di Lisa FS, Tomao S, Ciliberto G, Vici P. Circulating HPV DNA in the Management of Oropharyngeal and Cervical Cancers: Current Knowledge and Future Perspectives. *J Clin Med*. 2021 Apr
634. Di Fiore R, Suleiman S, Felix A, O'Toole SA, O'Leary JJ, Ward MP, Beirne J, Sabol M, Ozretić P, Yordanov A, Vasileva-Slaveva M, Kostov S, Nikolova M, Said-Huntingford I, Ayers D, Ellul B, Pentimalli F, Giordano A, Calleja-Agius. An Overview of the Role of Long Non-Coding RNAs in Human Choriocarcinoma. *J. Int J Mol Sci*. 2021 J
635. Nardone V, Giannicola R, Bianco G, Giannarelli D, Tini P, Pastina P, Falzea AC, Macheda S, Caraglia M, Luce A, Zappavigna S, Mutti L, Pirtoli L, Giordano A, Correale P. Inflammatory Markers and Procalcitonin Predict the Outcome of Metastatic Non-Small-Cell-Lung-Cancer Patients Receiving PD-1/PD-L1 Immune-Checkpoint Blockade. *Front Oncol*. 2021 Jun
636. Astarita C, Palchetti S, Massaro-Giordano M, Di Domenico M, Petrillo F, Boffo S, Caracciolo G, Giordano A. Artificial Protein Coronas Enable Controlled Interaction with Corneal Epithelial Cells: New Opportunities for Ocular Drug Delivery. *Pharmaceutics*. 2021 Jun
637. De Caro R, Boscolo-Berto R, Artico M, Bertelli E, Cannas M, Cappello F, Carpino G, Castorina S, Cataldi A, Cavaletti GA, Cinti S, Cocco LI, Cremona O, Crivellato E, De Luca A, Falconi M, Familiari G, Ferri GL, Fornai F, Gesi M, Geuna S, Gibelli DM, Giordano A, Gobbi P, Guerra G, Gulisano M, Macchi V, Macchiarelli G, Manzoli L, Michetti F, Miscia S, Montagnani S, Montella ACM, Morini S, Onori P, Palumbo C, Papa M, Porzionato A, Quacci DE, Raspanti M, Rende M, Rezzani R, Ribatti D, Ripani M, Rodella LF, Rossi P, Sbarbati A, Secchiero P, Sforza C, Stecco C, Toni R, Vercelli A, Vitale M, Zancanaro C, Zauli G, Zecchi S, Anastasi GP, Gaudio E. The Italian law on body donation: A position paper of the Italian College of Anatomists. *Ann Anat*. 2021 Jun
638. Di Fiore R, Suleiman S, Drago-Ferrante R, Felix A, O'Toole SA, O'Leary JJ, Ward MP, Beirne J, Yordanov A, Vasileva-Slaveva M, Subbannayya Y, Pentimalli F, Giordano A, Calleja-Agius J. LncRNA MORT (ZNF667-AS1) in Cancer-Is There a Possible Role in Gynecological Malignancies? *Int J Mol Sci*. 2021
639. Scalia P, Maurancy J, Giordano A, Williams SJ. Transcriptional and Post-Translational Control Mechanisms for EphB4 Expression in Physiology and Cancer Disease. *Crit Rev Eukaryot Gene Expr*. 2021
640. d'Angelo D, Chirico A, Sacchettino L, Manunta F, Martucci M, Cestaro A, Avallone L, Giordano A, Ciani. Human-Dog Relationship during the First COVID-19 Lockdown in Italy. *F. Animals (Basel)*. 2021
641. Nardone V, Barbarino M, Angrisani A, Correale P, Pastina P, Cappabianca S, Reginelli A, Mutti L, Miracco C, Giannicola R, Giordano A, Pirtoli L. CDK4, CDK6/cyclin-D1 Complex Inhibition and Radiotherapy for Cancer Control: A Role for Autophagy. *Int J Mol Sci*. 2021
642. Poyatos-Jiménez F, Morales F, Morales-Carrera R, Boffo S, Giordano A, Romero-Noguera J. Fungal and Bacterial Biodeterioration of Outdoor Canvas Paintings: The Case of the Cloisters of Quito, Ecuador. *Crit Rev Eukaryot Gene Expr*. 2021
643. Crispo A, Bimonte S, Porciello G, Forte CA, Cuomo G, Montagnese C, Prete M, Grimaldi M, Celentano E, Amore A, de Blasio E, Pentimalli F, Giordano A, Botti G, Baglio G, Sileri P, Cascella M, Cuomo A. Strategies to evaluate outcomes in long-COVID-19 and post-COVID survivors. *Infect Agent Cancer*. 202
644. Ventura E, Iannuzzi CA, Pentimalli F, Giordano A, Morrione A. RBL1/p107 Expression Levels Are Modulated by Multiple Signaling Pathways. *Cancers (Basel)*. 2021
645. Rosati D, Giordano A. Single-cell RNA sequencing and bioinformatics as tools to decipher cancer heterogeneity and mechanisms of drug resistance. *Biochem Pharmacol*. 2021

646. Caracciolo D, Riillo C, Ballerini A, Gaipa G, Lhermitte L, Rossi M, Botta C, Duroyon E, Grillone K, Gallo Cantafio ME, Buracchi C, Alampi G, Gulino A, Belmonte B, Conforti F, Golino G, Juli G, Altomare E, Polerà N, Scionti F, Arbitrio M, Iannone M, Martino M, Correale P, Talarico G, Ghelli Luserna di Rorà A, Ferrari A, Concolino D, Sestito S, Pensabene L, Giordano A, Hildinger M, Di Martino MT, Martinelli G, Tripodo C, Asnafi V, Biondi A, Tagliaferri P, Tassone P. Therapeutic afucosylated monoclonal antibody and bispecific T-cell engagers for T-cell acute lymphoblastic leukemia. *J Immunother Cancer*. 2021
647. Cersosimo F, Barbarino M, Lonardi S, Vermi W, Giordano A, Bellan C, Giurisato E. Mesothelioma Malignancy and the Microenvironment: Molecular Mechanisms.. *Cancers (Basel)*. 2021
648. Nardone V, Giannicola R, Giannarelli D, Saladino RE, Azzarello D, Romeo C, Bianco G, Rizzo MR, Di Meo I, Nesci A, Pastina P, Falzea AC, Caracciolo D, Reginelli A, Caraglia M, Luce A, Mutti L, Giordano A, Cappabianca S, Pirtoli L, Barbieri V, Tassone P, Tagliaferri P, Correale P. Distinctive Role of the Systemic Inflammatory Profile in Non-Small-Cell Lung Cancer Younger and Elderly Patients Treated with a PD-1 Immune Checkpoint Blockade: A Real-World Retrospective Multi-Institutional Analysis. *Life (Basel)*. 2021
649. Forte IM, Indovina P, Montagnaro S, Costa A, Iannuzzi CA, Capone F, Camerlingo R, Malfitano AM, Pentimalli F, Ferrara G, Quintiliani M, Portella G, Giordano A and Ciarcia R. The Oncolytic Caprine Herpesvirus 1 (Cphv-1) Induces Apoptosis and Synergizes with Cisplatin in Mesothelioma Cell Lines: A New Potential Virotherapy Approach. *Viruses* 2021
650. Caruso M, Emma R, Distefano A, Rust S, Poulas K, Zadjali F, Giordano A, Volarevic V, Mesiakaris K, Al Tobi M, Boffo S, Arsenijevic A, Zuccarello P, Giallongo C, Ferrante M, Polosa R, Li Volti G., Replica Project. Group. Electronic nicotine delivery systems exhibit reduced bronchial epithelial cells toxicity compared to cigarette: the. *Sci Rep*. 2021.
651. Correale P, Pentimalli F, Nardone V, Giordano A, Mutti L. CONFIRM trial: what is the real efficacy of second-line immunotherapy in mesothelioma? *Lancet Oncol*. 2022
652. Rosati D, Giordano A. Single-cell RNA sequencing and bioinformatics as tools to decipher cancer heterogeneity and mechanisms of drug resistance. *Biochem Pharmacol*. 2022
653. Poli G, Di Stefano M, Estevez JA, Minutolo F, Granchi C, Giordano A, Parisi S, Mauceri M, Canzonieri V, Macchia M, Caligiuri I, Tuccinardi T, Rizzolio F. New PIN1 inhibitors identified through a pharmacophore-driven, hierarchical consensus docking strategy. *J Enzyme Inhib Med Chem*
654. Diletta Rosati , Antonio Giordano. Single-cell RNA sequencing and bioinformatics as tools to decipher cancer heterogeneity and mechanisms of drug resistance *Biochem Pharmacol* 2022
655. Antonella Fioravanti, Antonio Giordano, Francesco Dotta, Luigi Pirtoli. Crosstalk between MicroRNA and Oxidative Stress in Physiology and Pathology 2.0. *Int J Mol Sci* 2022
656. Meirson T, Pentimalli F, Cerza F, Baglio G, Gray SG, Correale P, Krstic-Demonacos M, Markel G, Giordano A, Bomze D, Mutti L. Comparison of 3 Randomized Clinical Trials of Frontline Therapies for Malignant Pleural Mesothelioma. *JAMA Netw Open*. 2022
657. Correale P, Pentimalli F, Nardone V, Giordano A, Mutti L. CONFIRM trial: what is the real efficacy of second-line immunotherapy in mesothelioma? *Lancet Oncol*. 2022
658. Di Fiore R, Suleiman S, Drago-Ferrante R, Subbannayya Y, Pentimalli F, Giordano A, Calleja-Agius J.. Cancer Stem Cells and Their Possible Implications in Cervical Cancer: A Short Review. *Int J Mol Sci*. 2022
659. Melillo A, Chirico A, De Pietro G, Gallo L, Caggianese G, Barone D, De Laurentiis M, Giordano A. Virtual Reality Rehabilitation Systems for Cancer Survivors: A Narrative Review of the Literature. *Cancers (Basel)*. 2022
660. Dell'Anno I, Melani A, Martin SA, Barbarino M, Silvestri R, Cipollini M, Giordano A, Mutti L, Nicolini A, Luzzi L, Aiello R, Gemignani F, Landi S. A Drug Screening Revealed Novel Potential Agents against Malignant Pleural Mesothelioma. *Cancers (Basel)*. 2022
661. Benot-Dominguez R, Cimini A, Barone D, Giordano A, Pentimalli F. The Emerging Role of Cyclin-Dependent Kinase Inhibitors in Treating Diet-Induced Obesity: New Opportunities for Breast and Ovarian Cancers? *Cancers (Basel)*. 2022

662. Tufano A, Cordua N, Nardone V, Ranavolo R, Flammia RS, D'Antonio F, Borea F, Anceschi U, Leonardo C, Morrione A, Giordano A. Prognostic Significance of Organ-Specific Metastases in Patients with Metastatic Upper Tract Urothelial Carcinoma. *J Clin Med*. 2022
663. Scalia P, Williams SJ, Fujita-Yamaguchi Y, Giordano A. Cell cycle control by the insulin-like growth factor signal: at the crossroad between cell growth and mitotic regulation. *Cell Cycle*. 2022
664. Russo C, Barone D, Lavorgna M, Piscitelli C, Macaluso M, Pacifico S, Piccolella S, Giordano A, Isidori M. Cytotoxic evaluation and chemical investigation of tomatoes from plants (*Solanum lycopersicum* L.) grown in uncontaminated and experimentally contaminated soils. *Sci Rep*. 2022
665. Melillo A, Maiorano P, Rachedi S, Caggianese G, Gragnano E, Gallo L, De Pietro G, Guida M, Giordano A, Chirico A. Labor Analgesia: A Systematic Review and Meta-Analysis of Non-Pharmacological Complementary and Alternative Approaches to Pain during First Stage of Labor. *Crit Rev Eukaryot Gene Expr*. 2022
666. Caruso M, Emma R, Distefano A, Rust S, Poulas K, Giordano A, Volarevic V, Mesiakaris K, Boffo S, Arsenijevic A, Karanasios G, Pulvirenti R, Ilic A, Canciello A, Zuccarello P, Ferrante M, Polosa R, Li Volti G. Comparative assessment of electronic nicotine delivery systems aerosol and cigarette smoke on endothelial cell migration: The Replica Project. *Drug Test Anal*. 2022
667. Fameli A, Nardone V, Shekarkar Azgomi M, Bianco G, Gandolfo C, Oliva BM, Monoriti M, Saladino RE, Falzea A, Romeo C, Calandruccio ND, Azzarello D, Giannicola R, Pirtoli L, Giordano A, Tassone P, Tagliaferri P, Cusi MG, Mutti L, Botta C, Correale P. PD-1/PD-L1 immune-checkpoint blockade induces immune effector cell modulation in metastatic non-small cell lung cancer patients: A single-cell flow cytometry approach. *Front Oncol*. 2022
668. Elena Rossi, Luciano Mutti, Andrea Morrione, and Antonio Giordano. Neuro-Immune Interactions in Severe COVID-19 Infection. *Pathogens* 2022
669. Antonio Giordano, Nadia Rucci, and Stefano Falone. Editorial: Extracellular vesicles as modulators of cancer cell adaptive responses linked to therapy resistance. *Front Oncol*. 2022
670. Angelo Canciell, Adrián Cerveró-Varona, Alessia Peserico, Annunziata Mauro,Valentina Russo, Andrea Morrione, Antonio Giordano and Barbara Barboni. "In medio stat virtus": Insights into hybrid E/M phenotype attitudes. *Front Cell Dev Biol* 2022
671. Andrea Fiorillo and Antonio Giordano. The biopsychosocial model of schizophrenia and cancer: Unraveling the etiopathogenesis of complex diseases. *European Psychiatry* 2022
678. Barbarino M, Bottaro M, Spagnoletti L, de Santi MM, Guazzo R, Defraia C, Custozza C, Serio G, Iannelli F, Pesetti M, Aiello R, Rosati D, Zanfrini E, Luzzi L, Bellan C, Giordano A. Analysis of Primary Cilium Expression and Hedgehog Pathway Activation in Mesothelioma Throws Back Its Complex Biology. *Cancers (Basel)*. 2022
679. Meirson T, Nardone V, Pentimalli F, Markel G, Bomze D, D'Apolito M, Correale P, Giordano A, Pirtoli L, Porta C, Gray SG, Mutti L. Analysis of new treatments proposed for malignant pleural mesothelioma raises concerns about the conduction of clinical trials in oncology. *J Transl Med*. 2022
680. Longhitano L, Vicario N, Tibullo D, Giallongo C, Broggi G, Caltabiano R, Barbagallo GMV, Altieri R, Baghini M, Di Rosa M, Parenti R, Giordano A, Mione MC, Li Volti G. Lactate Induces the Expressions of MCT1 and HCAR1 to Promote Tumor Growth and Progression in Glioblastoma. *Front Oncol*. 2022
681. Ventura E, Xie C, Buraschi S, Belfiore A, Iozzo RV, Giordano A, Morrione A. Complexity of progranulin mechanisms of action in mesothelioma. *J Exp Clin Cancer Res*. 2022
682. Ventura E, Ducci G, Benot Dominguez R, Ruggiero V, Belfiore A, Sacco E, Vanoni M, Iozzo RV, Giordano A, Morrione A. Progranulin Oncogenic Network in Solid Tumors. *Cancers (Basel)*. 2023
683. Incorvaia L, Dimino A, Algeri L, Brando C, Magrin L, De Luca I, Pedone E, Perez A, Sciacchitano R, Bonasera A, Bazan Russo TD, Li Pomi F, Peri M, Gristina V, Galvano A, Giuffrida D, Fazio I, Toia F, Cordova A, Florena AM, Giordano A, Bazan V, Russo A, Badalamenti G. Body mass index and baseline platelet count as predictive factors in Merkel cell carcinoma patients treated with avelumab. *Front Oncol*. 2023
684. Scalia P, Williams SJ, Fujita-Yamaguchi Y, Giordano A.

Cell cycle control by the insulin-like growth factor signal: at the crossroad between cell growth and mitotic regulation. *Cell Cycle*. 2023

685. Ciccarelli G, Conte S, Cimmino G, Maiorano P, Morrione A, Giordano A. Mitochondrial Dysfunction: The Hidden Player in the Pathogenesis of Atherosclerosis? *Int J Mol Sci*. 2023

686. Ponce-Chazarri L, Ponce-Blandón JA, Immordino P, Giordano A, Morales F.

Barriers to Breast Cancer-Screening Adherence in Vulnerable Populations. *Cancers (Basel)*. 2023

687. Nardone V, Romeo C, D'Ippolito E, Pastina P, D'Apolito M, Pirtoli L, Caraglia M, Mutti L, Bianco G, Falzea AC, Giannicola R, Giordano A, Tagliaferri P, Vinciguerra C, Desideri I, Loi M, Reginelli A, Cappabianca S, Tassone P, Correale P. The role of brain radiotherapy for EGFR- and ALK-positive non-small-cell lung cancer with brain metastases: a review. *Radiol Med*. 2023

688. Leonardo C, Del Giudice F, Terrone C, Giordano A, Morrione A, Saad F, Shariat SF, Briganti A, Montorsi F, Chun FKH, Gallucci M, Karakiewicz PI. The Effect of Sex on Disease Stage and Survival after Radical Cystectomy in Non-Urothelial Variant-Histology Bladder Cancer. *Flammia RS, Tufano A, Chierigo F, Würnschimmel C, Hoeh B, Sorce G, Tian Z, Anceschi U, J Clin Med*. 2023

689. Di Fiore R, Suleiman S, Drago-Ferrante R, Subbannayya Y, Suleiman S, Vasileva-Slaveva M, Yordanov A, Pentimalli F, Giordano A, Calleja-Agius J. The Role of FBXW7 in Gynecologic Malignancies. *Cells*. 2023

690. Liguori G, Costagliola A, Lombardi R, Paciello O, Giordano A. Human-Animal Interaction in Animal-Assisted Interventions (AAI)s: Zoonosis Risks, Benefits, and Future Directions-A One Health Approach. *Animals (Basel)*. 2023

691. Fanale D, Brando C, Corsini LR, Cutaia S, Di Donna MC, Randazzo U, Filorizzo C, Lisanti C, Magrin L, Gurrera V, Romano R, Dimino A, Bazan Russo TD, Olive D, Vieni S, Pantuso G, Giordano A, Chiantera V, Russo A, Bazan V, Iovanna JL. Low plasma PD-L1 levels, early tumor onset and absence of peritoneal carcinomatosis improve prognosis of women with advanced high-grade serous ovarian cancer. *BMC Cancer* 2023

692. Ventura E, Belfiore A, Iozzo RV, Giordano A, Morrione A. Progranulin and EGFR modulate RYK (Receptor like Tyrosine Kinase) sorting and stability in mesothelioma cells. *Am J Physiol Cell Physiol*. 2023

693. Barone D, Iannuzzi CA, Forte IM, Ragosta MC, Cuomo M, Dell'Aquila M, Altieri A, Caporaso A, Camerlingo R, Rigano MM, Monti DM, Barone A, Imbimbo P, Frusciante L, Monda M, D'Angelo M, De Laurentiis M, Giordano A, Alfano. The hydrophilic extract from a new tomato genotype (named DHO) kills cancer cell lines through the modulation of the DNA damage response induced by Camptothecin treatment. *L. Front Oncol*. 2023

694. Palombi T, Galli F, Giancamilli F, D'Amico M, Alivernini F, Gallo L, Neroni P, Predazzi M, De Pietro G, Lucidi F, Giordano A, Chirico A. The role of sense of presence in expressing cognitive abilities in a virtual reality task: an initial validation study. *Sci Rep*. 2023

695. V Russo, L Falco, V Tessitor, A Mauriello, D Catapano, N Napolitano, M Tariq, A Caturano, G Ciccarelli, A D'Andrea, A Giordano. Anti-Inflammatory and Anticancer Effects of Anticoagulant Therapy in Patients with Malignancy. *Life (Basel)* 2023

696. A Caturano, M D'Angelo, A Mormone, V Russo, MP Mollica, T Salvatore, R Galiero, L Rinaldi, E Vetrano, R Marfella, M Monda, A Giordano, FC Sasso. Oxidative Stress in Type 2 Diabetes: Impacts from Pathogenesis to Lifestyle Modifications. *Curr Issues Mol Biol* 2023

697. A Costagliola, R Lombardi, G Liguori, A Morrione, A Giordano. Orexins and Prostate Cancer. *Cancer Genomics Proteomics* 2023

698. R Spinetta, F Petrillo, M Reibaldi, A Tortori, M Mazzoni, C Metrangolo, F Gelormini, F Ricardi, A Giordano. Intravitreal DEX Implant for the Treatment of Diabetic Macular Edema: A Review of National ConsensusPharmaceutics 2023

699. S Galati, M Di Stefano, S Bertini, C Granchi, A Giordano, F Gado, M Macchia, T Tuccinardi, GPoli. Identification of New GSK3 β Inhibitors through a Consensus Machine Learning-Based Virtual Screening. *Int J Mol Sci* 2023

700. F Cersosimo, S Lonardi, C Ulivieri, P Martini, A Morrione, W Vermi, A Giordano, E Giurisato. CSF-1R in Cancer: More than a Myeloid Cell Receptor. *Cancers* (Basel) 2024
701. Alfano L, Iannuzzi CA, Barone D, Forte IM, Ragosta MC, Cuomo M, Mazzarotti G, Dell'Aquila M, Altieri A, Caporaso A, Roma C, Marra L, Boffo S, Indovina P, De Laurentiis M, and Giordano A. *CDK9-55 guides the anaphase-promoting complex/cyclosome (APC/C) in choosing the DNA repair pathway choice.* *Oncogene* 2024
702. Rosati D, Palmieri M, Brunelli G, Morrione A, Iannelli F, Frullanti E, Giordano A. *Differential gene expression analysis pipelines and bioinformatic tools for the identification of specific biomarkers: A review.* *Comput Struct Biotechnol J.* 2024
703. Buonocore M, De Biase D, Sorrentino D, Giordano A, Paciello O, D'Ursi AM. *An Exploratory Bioinformatic Investigation of Cats' Susceptibility to Coronavirus-Deriving Epitopes.* *Life* (Basel). 2024
704. Longobardi C, Damiano S, Fabroni S, Montagnaro S, Russo V, Vaccaro E, Giordano A, Florio S, Ciarcia R. *Red Orange and Lemon Extract Ameliorates the Renal Oxidative Stress and Inflammation Induced by Ochratoxin A through the Modulation of Nrf2.* *Toxins* (Basel). 2024
- 705_ Canciello A, Domínguez RB, Barboni B, Giordano A, Morrione A. *Characterization of KLHL14 anti-oncogenic action in malignant mesothelioma.* *Heliyon.* 2024