

CV Marzia Fumagalli

Personal Details

Email: marzia.fumagalli@ieo.it

Work Experience

2020 – Present **Contract Professor – Università degli Studi di Milano**, Milan

- Legislation, Management and Technology Transfer at Biomedical Omics Master Programme

2018 – Present **Head of IEO-TT, Technology Transfer Office at IEO – Istituto Europeo di Oncologia Srl**, Milan

- Coordination of all intellectual property (IP)-related and technology transfer activities
- Setting up the technology transfer operations
- Supervision of personnel involved
- Lecturer in education and training programs focused on IP and tech transfer

2013 – 2018 **Intellectual Property Manager at TTFactor Srl**, Milan

- Setting up the IP structure
- Technology Scouting, evaluation and market assessment
- Coordination of the product evaluation team; business planning
- IP assessment and protection (patentability evaluation of more than 160 projects; IP protection strategy; Portfolio Management of over 60 projects)
- Responsible for the IP budget
- Business Development and contract negotiation (research, development, manufacturing, licensing)
- Quarterly reports to the board of directors
- Participation in international events for technology presentation
- Lecturer in education programs (SEMM, Ministry of Health)

2011 - 2013 **Intellectual Property Associate at TTFactor Srl**, Milan

Technology Scouting; Patentability Evaluation; IP Protection; IP portfolio Management; Contracts, in life science sector.

2008 - 2010 **Post-Doc Researcher at IFOM** - the FIRC Institute of Molecular Oncology, Milan
Cancer Research

2007 **Visiting PhD student at MRC Clinical Sciences Centre**, Imperial College, London
Cancer Research

2004 - 2008 **PhD Student at IFOM** – the FIRC Institute of Molecular Oncology, Milan
Cancer Research

2004 **Information Specialist at Spirogen** c/o The School of Pharmacy, University of London
Business Intelligence

Education

2015 **SDA Bocconi School of Management**, Milan

“Business Plan” executive programme

2011 – 2012 **CEIPI (Centre for International Intellectual Property Studies)** c/o University of Strasbourg Master of Laws (LLM), Intellectual Property Law and Management

2004 – 2008 **SEMM - European School of Molecular Medicine** c/o IFOM, Milan

PhD in Molecular Medicine (Oncology)

1998 – 2003 **Università degli Studi di Milano**

Master Degree in Medical Biotechnology (110/110 score, cum laude and honourable mention)

1993 – 1998 **Scientific High School “Arturo Tosi”**, Busto Arsizio (VA)

High School Diploma (60/60 score)

Training

Mar 2021 **ASTP 4KT**, online

Course on Creating Successful spin outs.

Nov 2014 **ASTP-Proton** (European association for professionals involved in knowledge transfer), Prague

Master Class on “Proof of Concept Fund” (by Jeff Skinner, London Business School)

Nov 2013 **Filarete Foundation**, Milan

Pitch training for startupper (by Bill Barber, INCube Intesa Sanpaolo)

Feb – Mar 2011 **AUTM** (Association of University Technology Managers), Las Vegas

Negotiation Course; Marketing Course

Jan – Dec 2010 **TTFactor Srl**, Milan

Stage in technology scouting, patentability evaluation, marketing activities, events organization

Jun – Oct 2010 **De Simone & Partners** (Patent Firm), Rome

Stage in intellectual property, patentability analysis, patent drafting

2001 – 2003 **Istituto Nazionale dei Tumori**, Milan

Internship in Cancer Research

Lecturer/Invited Speaker

Mar – May 2022 **Biomedical OMICS Master Programme A.Y. 2021/2022**, Università degli Studi di Milano

Legislation, Management and Technology Transfer

Jan – Mar 2022 **Enablecares Entrepreneurship**, SEMM (European School for Molecular Medicine)

Training and hands-on workshops on entrepreneurship for PhD students/young researchers in the biomedical sector

17 Mar 2022 **Technology Transfer in biomedical research**, Associazione Italiana di Fisica Medica- Webinar

1 Dec 2021 **Technology Transfer in the biomedical sector**, Università degli Studi di Padova – Dipartimento di Scienze Biomediche - Webinar

23 Sept 2021 **Progetti di Proof of Concept nelle Scienze della Vita - ProMIS**, CRO Aviano - Webinar
Progetto PoC ERC – Percorso di sviluppo tecnologico e di valorizzazione dei risultati di un progetto finanziato dalla Comunità Europea

17 Jun 2021 **Il trasferimento tecnologico nell'ambito della ricerca biomedica**, Netval in collaboration with Italian Ministry of Health - Webinar
Come valorizzare le invenzioni biomediche

Mar – May 2021 **Biomedical OMICS Master Programme A.Y. 2020/2021**, Università degli Studi di Milano
Legislation, Management and Technology Transfer

10 Jun 2019 **TT School per ricercatori IRCCS at Istituto Oncologico Veneto IRCCS, Padova**, Italian Ministry of Health
La valorizzazione dei risultati e delle idee nei progetti di ricerca – Relazione e Q&A

18 Jun 2018 **TT School per ricercatori IRCCS at IRCCS IRST, Meldola (FC)**, Italian Ministry of Health
La valorizzazione dei risultati. Come valorizzare i risultati della ricerca traslazionale in ambito biomedico

5 Oct 2017 **TT School per ricercatori IRCCS at Campus CRO IRCCS, Aviano (PN)**, Italian Ministry of Health
La valorizzazione dei risultati.

Membership

Italian Ministry of Health - Member of the IRCCS Working Groups on Technology Transfer

Netval – Italian Network of Technology Transfer Offices - Member of Scientific Committee

ASTP 4KT – Europe's premier association of knowledge transfer professionals - Member

EU-LIFE - Alliance of European research institutes in life sciences - Member of the Working Group on Tech Transfer

B4MED at IEO – Biobank for Translational and Digital Medicine at IEO - Member of Executive Committee

Rewards

2014 **National Scientific Qualification** to function as associate professor of “Applied Biology” in Italian Universities, from Italian Ministry of Education, University and Research (MIUR)

2012 TOYP (The Outstanding Young Person), Research Category, Varese, from JCI (Junior Chamber International, Worldwide Federation of Young Leaders and Entrepreneurs)

2010 TRIENNIAL FELLOWSHIPS 2010-2012 5X1000 FIRC

Languages

Italian Mother Tongue

English Fluent, written and spoken.

Appendix: list of relevant scientific publications

I hereby authorize the use of my personal details for recruiting purpose in compliance with the Italian Legislative Decree n° 196/2003. I hereby declare that information provided is true and correct in compliance with Art. 46-47 D.P.R. 445/2000, aware of the criminal liability as per Art. 76 D.P.R. 445/2000 on the grounds of falsehood in acts and misleading statements.

16.09.2022



Appendix: Scientific Publications

1. "The SUMO conjugating enzyme UBC9 as a biomarker for cervical HPV infections".
Ecanцерmedicаscience. 2015 Apr 29;9:534. Mattoscio D, Casadio C, **Fumagalli M**, Sideri M, Chiocca S.
2. "Stable Cellular Senescence Is Associated with Persistent DDR Activation".
PLoS One. 2014 Oct 23;9(10):e110969. **Fumagalli M**, Rossiello F, Mondello C, d'Adda di Fagagna F.
3. "Irreparable telomeric DNA damage and persistent DDR signalling as a shared causative mechanism of cellular senescence and ageing". **Curr Opin Genet Dev**. 2014 Aug 4;26:89-95. Rossiello F, Herbig U, Longhese MP, **Fumagalli M**, d'Adda di Fagagna F.
4. "Oncogene-induced reactive oxygen species fuel hyperproliferation and DNA damage response activation"
Cell Death Differ. 2014 Feb 28. doi: 10.1038/cdd.2014.16. Ogrunc M, Di Micco R, Lontos M, Bombardelli L, Mione M, **Fumagalli M**, Gorgoulis V, d'Adda di Fagagna F.
5. "Oncogene-induced telomere dysfunction enforces cellular senescence in human cancer precursor lesions."

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EMBO J. **2012** May 8;31(13):2839-51. Suram A, Kaplunov J, Patel PL, Ruan H, Cerutti A, Boccardi V, **Fumagalli M**, Di Micco R, Mirani N, Gurung RL, Hande MP, d'Adda di Fagagna F, Herbig U.

6. "Telomeric DNA damage is irreparable and causes persistent DNA damage response activation".

Nat Cell Biol. **2012** Mar 18; 14(4):355-65. **Fumagalli M**, Rossiello F, Clerici M, Barozzi S, Cittaro D, Kaplunov JM, Bucci G, Dobрева M, Matti V, Beausejour C.M., Herbig U, Longhese MP, and d'Adda di Fagagna F.

7. "Terminally differentiated astrocytes lack DNA damage response signaling and are radioresistant but retain DNA repair proficiency". **Cell Death Differ.** **2012** Apr;19(4):582-91. Schneider L, **Fumagalli M**, and d'Adda di Fagagna F.

8. "SASPense and DDRama in cancer and ageing".

Nat Cell Biol. **2009** Aug;11(8):921-3. **Fumagalli M**, d'Adda di Fagagna F.

9. "DNA damage response activation in mouse embryonic fibroblasts undergoing replicative senescence and following spontaneous immortalization".

Cell Cycle. **2008** Nov 15; 7:22, 3601-6. Di Micco R, Cicalese A, **Fumagalli M**, Dobрева M, Verrecchia A, Pelicci PG, and d'Adda di Fagagna F.

10. "Chemokine signaling via the CXCR2 receptor reinforces senescence".

Cell. **2008** Jun 13; 133(6): 1006-18. Acosta JC, O'Loughlen A, Banito A, Guijarro MV, Augert A, Raguz S, **Fumagalli M**, Da Costa M, Brown C, Popov N, Takatsu Y, Melamed J, d'Adda di Fagagna F, Bernard D, Hernando E, Gil J.

11. "Breaking news: high-speed race ends in arrest--how oncogenes induce senescence".

Trends Cell Biol. **2007** Nov; 17(11): 529-36. Di Micco R, **Fumagalli M**, d'Adda di Fagagna F.

12. "Oncogene-induced senescence is a DNA damage response triggered by DNA hyper replication".

Nature. **2006** Nov 30; 444(7119): 638-42. Di Micco R, **Fumagalli M**, Cicalese A, Piccinin S, Gasparini P, Luise C, Schurra C, Garre' M, Nuciforo PG, Bensimon A, Maestro R, Pelicci PG, d'Adda di Fagagna F.

13. "Inhibition of proliferation and induction of apoptosis in breast cancer cells by the epidermal growth factor receptor (EGFR) tyrosine kinase inhibitor ZD1839 ('Iressa') is independent of EGFR expression level".

J Cell Physiol. **2004** Feb; 198(2): 259-68. Campiglio M, Locatelli A, Olgiati C, Normanno N, Somenzi G, Vigan L, **Fumagalli M**, Ménard S, Gianni

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