

**FORMATO EUROPEO
PER IL CURRICULUM
VITAE**

INFORMAZIONI PERSONALI

Nome	Bruno Valentina
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Nazionalità	Italiana
Data di nascita	15/04/86

ESPERIENZA LAVORATIVA

11/18-11/20 Contratto libero-professionale Medico-Chirurgo Specialista in Ginecologia ed Ostetricia presso IFO-IRE, Istituto dei Tumori Regina Elena, Roma
12/2020 ad oggi Dirigente Medico-Chirurgo Specialista in Ginecologia ed Ostetricia presso Istituto Nazionale Tumori "Regina Elena", Istituti Fisioterapici Ospedalieri (IRE-IFO), Roma con contratto a Tempo Indeterminato

ISTRUZIONE E FORMAZIONE

2005 Conseguimento Diploma Maturità Classica (Liceo Classico N. Turriziani, Frosinone)
2011 Conseguimento Laurea specialistica magistrale in Medicina e Chirurgia, Università degli Studi di Roma Tor Vergata - votazione: 110/110 con lode
2011 Esame di abilitazione alla professione di Medico Chirurgo, Università degli Studi di Roma Tor Vergata - votazione: 269/270
2012-2013 Programma Leonardo da Vinci - Department of Clinical and Experimental Medicine (IKE), Autoimmunity and Immune Regulation (AIR), Clinical Immunology, Faculty of Health Sciences, Linköping University, Sweden
2012-2013 Financed Research Preparative Fellowship at the Department of Clinical and Experimental Medicine awarded in the field "Reproductive Immunology" entitled "Immune modulating roles of heparin in vitro" - Department of Clinical and Experimental Medicine (IKE), Autoimmunity and Immune Regulation (AIR), Clinical Immunology, Faculty of Health Sciences, Linköping University, Sweden
2017-2018 Corso DIU Echographie gynécologique et obstétricale, Université Paris Descartes, Parigi, Francia. Esame ecografia ginecologica: votazione 20/20.
2018 Conseguimento Diploma di Scuola di Specializzazione in Ginecologia ed Ostetricia, Facoltà di Medicina, Università degli Studi di Roma Tor Vergata - votazione: 50/50 con lode; titolo della tesi discussa: "Aspetti Immunologici dell' Abortività Spontanea Ricorrente".
2020 Conseguimento Dottorato di Ricerca in Reproductive Immunology; AIR (Autoimmunitet & ImmuneReglering), Unit of Autoimmunity and Immune Regulation, Reproductive Immunology, Department of Clinical and Experimental Medicine, IKE, Faculty of Health Sciences, Linköping University, Sweden; titolo della tesi discussa: "Clinical and Immunological Aspects on Recurrent Pregnancy Loss".

**PUBBLICAZIONI SU RIVISTE
INTERNAZIONALI**

1. Pietropolli A, Giuliani E, Bruno V, Patrizi L, Piccione E, Ticconi C. Plasminogen activator inhibitor-1, factor V, factor II and methylenetetrahydrofolate reductase polymorphisms in women with recurrent miscarriage. J Obstet Gynaecol. 2014 Jan 31

2. Veglia M, D'Ippolito S, Marana R, Di Nicuolo F, Castellani R, Bruno V, Fiorelli A, Ria F, Maulucci G, De Spirito M, Migliara G, Scambia G, Di Simone N. Human IgG Antinuclear Antibodies Induce Pregnancy Loss in Mice by Increasing Immune Complex Deposition in Placental Tissue: In Vivo Study. *Am J Reprod Immunol*. 2015 Dec;74(6):542-52. doi: 10.1111/aji.12429. Epub 2015 Sep 21.
3. Pietropolli A, Bruno V, Capogna MV, Bernardini S, Piccione E, Ticconi C. Uterine blood flow indices, antinuclear autoantibodies and unexplained recurrent miscarriage. *Obstet Gynecol Sci*. 2015 Nov;58(6):453-60. doi: 10.5468/ogs.2015.58.6.453. Epub 2015 Nov 16.
4. Adalgisa Pietropolli, Maria Vittoria Capogna, Raffaella Cascella, Chiara Germani, Valentina Bruno, Claudia Strafella, Simona Sarta, Carlo Ticconi, Giusy Marmo, Sara Gallaro, Giuliana Longo, Luigi Tonino Marsella, Antonio Novelli, Giuseppe Novelli, Emilio Piccione and Emiliano Giardina. Three-hour analysis of non-invasive foetal sex determination: application of Plexor chemistry. *Human Genomics*, (2016) 10:9
5. Ticconi C, Pietropolli A, Borelli B, Bruno V, Piccione E, Bernardini S, Di Simone N. Antinuclear autoantibodies and pregnancy outcome in women with unexplained recurrent miscarriage. *Am J Reprod Immunol*. 2016 Sep 12.
6. *Bruno Valentina, *Rizzacasa Barbara, Pietropolli Adalgisa, Capogna Maria Vittoria, Massoud Renato, Ticconi Carlo, Piccione Emilio, Cortese Claudio, Novelli Giuseppe, Amati Francesca (*authors equally contibuted). OLR1 and Loxin expression in PBMCs of women with a history of unexplained recurrent miscarriage: a pilot study. *Genetic Testing and Molecular Biomarkers*. Volume 21, Number 6, 2017.
7. Ticconi C, Capogna MV, Martelli F, Borelli B, Bruno V, Ergasti R, Sorge R, Piccione E, Pietropolli A. Ectopic pregnancy in women with recurrent miscarriage. *J Obstet Gynaecol Res*. 2018 Feb 14.
8. *V Bruno, *J Svensson-Arelund, M Rubér, G Berg, E Piccione, MC Jenmalm, J Ernerudh "Effects of low molecular weight heparin on the polarization and cytokine profile of macrophages and T helper cells in vitro". *Sci Rep*. 2018 Mar 8;8(1):4166.
9. Bruno V, Martelli F, Capogna MV, Youssef A, Bruno A, Ticconi C, Piccione E, Pietropolli A. Effect of chorionic villus sampling on placental volume and vascularization in the first trimester of pregnancy. *J Matern Fetal Neonatal Med*. 2018 Jul 12:1-11.
10. Valentina Bruno, Carlo Ticconi, Simona Sarta, Emilio Piccione, Adalgisa Pietropolli. What has to be pointed out in unexplained recurrent pregnancy loss research in the unsolved fields : lessons from clinic. An Italian RPL Unit experience. *It. J. Gynaecol. Obstet*. 2019, 31: N.2
11. *Rasmak Roepke E, *Bruno V, Nedstrand, E. Boij, R, Strid, CP, Piccione, E, Berg, G, Svensson Arvelund, J, Jenmalm, MC,* Rubér, M,* Ernerudh, J. (*These authors equally contributed). Lowmolecular- weight-heparin increases Th1- and Th17-associated chemokine levels during pregnancy in women with unexplained recurrent pregnancy loss: a randomised controlled trial. *Scientific Reports*, Volume 9, Issue 1, 1 December 2019, Article number 12314
12. Bruno V, Nuccetelli M, Ticconi C, Bruno A, Martelli F, Capogna MV, Bernardini S, Piccione E, Pietropolli A. Amniotic fluid antiphospholipid antibodies: potential role in antiphospholipid syndromeindependent aberrant implantation process. *Reprod Biol Endocrinol*. 2019 Oct 15;17(1):79.
13. Corrado G., Bruno V., Vizza E. When two genes do not work properly. *Journal of Translational Science*. ISSN: 2059-268X (article in press).
14. Martelli F, Youssef A, Capogna MV, Bruno A, Bruno V, Dodaro MG, Ticconi C, Ghi T, Piccione E, Pietropolli A. Longitudinal Changes of Subpubic Arch Angle throughout Pregnancy. *Gynecol Obstet Invest*. 2019 Nov 20:1-7.
15. Valentina Bruno, Carlo Ticconi , Federica Martelli, Marzia Nuccetelli, Maria Vittoria Capogna, Roberto Sorge, Emilio Piccione, Adalgisa Pietropolli. Uterine and Placental Blood Flow Indexes and Antinuclear Autoantibodies in Unexplained Recurrent Pregnancy Loss: Should They Be Investigated in Pregnancy as Correlated Potential Factors? A Retrospective Study. *BMC Pregnancy and Childbirth* volume 20, Article number: 44 (2020).
16. Valentina Bruno, Giacomo Corrado, Denisa Baci, Benito Chiofalo, Maria Antonia Carosi, Livia Ronchetti, Emilio Piccione, Albini Adriana, Douglas Mc Clain Noonan, Giulia Piaggio and Enrico Vizza. Endometrial cancer immune escape mechanisms: let's learn from the fetal-maternal interface. *Front Oncol*. 2020;10:156. Published 2020 Mar 12. doi:10.3389/fonc.2020.00156
17. E.Vizza, G.Cutillo, V.Bruno, I.Sperduti, E.Mancini, E.Baiocco, B.Chiofalo, L.Cicchillitti, C.Certelli, A.Zampa, E.Piccione, Pattern of recurrence in patients with endometrial cancer: A retrospective study. *Eur J Surg Oncol*. 2020;46(9):1697-1702. doi:10.1016/j.ejso.2020.03.203
18. Giacomo Corrado, Giuseppe Cutillo, Simona Maria Fragomeni, Valentina Bruno, Luca Tagliaferri, Emanuela Mancini, Camilla Certelli, Ida Paris, Enrico Vizza, Giovanni Scambia, Giorgia Garganese. Palliative Electrochemotherapy in Primary or Recurrent Vulvar Cancer. *Int J Gynecol Cancer*. 2020;30(7):927-931. doi:10.1136/ijgc-2019-001178
19. V Bruno , M D'Orazio, C Ticconi, P Abundo, S Riccio, E Martinelli, N Rosato, E Piccione, E Zupi, A Pietropolli. Machine Learning (ML) Based-Method Applied in Recurrent Pregnancy Loss (RPL) Patients Diagnostic Work-Up: A Potential Innovation in Common Clinical Practice. *Sci Rep*. 2020 May 14;10(1):7970.

20. Chiofalo B, Baiocco E, Mancini E, Vocaturo G, Cutillo G, Vincenzoni C, Bruni S, Bruno V, Mancari R, Vizza E. Practical recommendations for gynecologic surgery during the COVID-19 pandemic. *Int J Gynaecol Obstet.* 2020 Aug;150(2):146-150. doi: 10.1002/ijgo.13248.
21. Bruno, V, Lindau, R, Jenmalm, MC, et al. First trimester trophoblasts obtained by chorionic villus sampling maintain tolerogenic and proteomic features in successful pregnancies despite a history of unexplained recurrent pregnancy loss. *Am J Reprod Immunol.* 2020; 00:e13314.
22. Vanni G, Pellicciaro M, Materazzo M, et al. Lockdown of Breast Cancer Screening for COVID-19: Possible Scenario. *In Vivo.* 2020;34(5):3047-3053.
23. Rosanna Mancari, Giuseppe Cutillo, Valentina Bruno, Cristina Vincenzoni, Emanuela Mancini, Ermelinda Baiocco, Simone Bruni, Giuseppe Vocaturo, Benito Chiofalo, Enrico Vizza. Development of new medical treatment for epithelial ovarian cancer recurrence. *Gland Surg* 2020;9(4):1149-1163
24. Lodovico Patrizi, Barbara Borelli, Monia Di Prete, Valentina Bruno, Alessandro Mauriello, Emilio Piccione, Carlo Ticconi. A RARE CASE OF VULVAR SUPERFICIAL MYOFIBROBLASTOMA ASSOCIATED WITH AMBIGUOUS AND UNUSUAL DIFFERENTIAL DIAGNOSIS. *Gynecologic Oncology Reports.* Available online 6 September 2020, In Press.

PRESENTAZIONI A CONGRESSI INTERNAZIONALI

1. World Congress on Recurrent Pregnancy Loss, 14-17 January, 2016 – Cannes, France
2. 36th Annual Meeting of the American Society for Reproductive Immunology, November 12-16, 2016, Baltimore, USA
3. 26th Congress of the European Board and College of Obstetrics and Gynecology (EBCOG 2018), March 8-10, 2018, Paris
4. 15th Congress of ESRI (European Society for Reproductive Immunology), 28th-31st August 2018, Aalborg, Denmark
5. SERGS 2018: 10th Annual meeting on Robotic Gynaecological Surgery, 27th-29th September, 2018, Milan, Italy
6. PSOGI International Symposium on advanced Ovarian Cancer, April 11th - 13th, Atene, Greece
7. 35th Annual Meeting of the European Society of Human Reproduction and Embryology (ESHRE 2019), June 23-26, 2019, Wien, Austria
8. SERGS 2019: 11th Annual meeting on Robotic Gynaecological Surgery, 26th-28th October, 2019, Sofia, Bulgaria

CONGRESS SCIENTIFIC SECRETARY ACTIVITY

- Scientific secretary activity at the "Annual meeting AGUI" (Italian Association of Academic Gynecologists), Rome 2018; June 11-12, 2018, Rome
- Member of the scientific work national group "Responsible SEGi (Italian Society of Gynecologic Endoscopy) YOUNG" for the center part of Italy area.

INTERNATIONAL EDITORIAL ACTIVITY AND REVIEWER ACTIVITY

- 2020 Invited Guest Editor for a Special Issue by "Frontiers in Oncology" International Journal
- From 2017, reviewer for the following International Journal, in the field of Reproductive Immunology: *Scientific Reports*, *Journal of Molecular Histology*, *Genetic Testing and Molecular Biomarkers*, *Cellular and Molecular Life Sciences*, *Italian Journal of Gynaecology & Obstetrics*, *American Journal of Reproductive Immunology*.

FINANCED RESEARCH PROJECT

- Research Project "Mission: Sustainability" (D. R. n. 2817, 22/12/2016), Tor Vergata University. "IKiRM - Inflammatory and oxidant trophoblastic factors expression in unexplained Recurrent Miscarriages" (Codice Unico di Progetto (CUP): E81118000430001) - Principal Investigator: Prof.ssa A. Pietropolli. Ruolo: Scientific Research Team.
- BANDO RICERCA FINALIZZATA 2019 Ministero della Salute, Project Type: Young Researcher (under 40 years), Project Title: From fetal-maternal interface immune tolerance to endometrial cancer immune escape: potential targets for immunotherapy (GR-2019-12370076). Ruolo: co-PI.

SCIENTIFIC AWARDS

- Clinical Young Investigator Award 2018 in Reproductive Immunology. 15th Congress of ESRI (European Society for Reproductive Immunology), August 2018, Aalborg, Denmark.
- Winning abstract for maternal-fetal section from the Annual Meeting AGUI 2016 (Associazione Ginecologi Universitari Italiani), 30/09/16- 01/10/2016, Napoli, Italy
- 2020 Vincitrice Borsa di Ricerca nell'ambito del grant "Post-Doctoral Fellowships - Anno 2021", Fondazione Umberto Veronesi.

ATTIVITA' DIDATTICA UNIVERSITARIA

- A.A. 2017-2018: Titolare d' insegnamento nell' ambito del corso di Laurea in Ostetricia, Facoltà di Medicina e Chirurgia, Università di Roma Tor Vergata: "Metologia della Ricerca Scientifica"
- A.A. 2018-2019: Titolare d' insegnamento nell' ambito del corso di Laurea in Ostetricia, Facoltà di Medicina e Chirurgia, Università di Roma Tor Vergata: "Fisiopatologia della Riproduzione Umana"
- A.A. 2018-2019: Docente Esterno, Corso di Nanotecnologie Biochimiche in Medicina nell'ambito del corso di Laurea in Ingegneria Biomedica, Università di Roma Tor Vergata: "Cancer Immunology and Immunotherapy"

CONOSCENZA LINGUE STRANIERE

Lingua madre Italiana

Altre lingue	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C2	C2	C2	C2	C2
Certificato di Lingua inglese ottenuto: livello C2 secondo il Quadro Comune Europeo di Riferimento delle Lingue. Corsi di Lingua Inglese svolti a Londra, Dublino, Edimburgo e Brighton.					
Francese	B2	B2	B2	B2	B2
Certificato ottenuto: Delf - Niveau B2					

CERTIFICAZIONI

"Interactive Lesson on Pediatric airways disobstruction maneuvers and Infant Safe Sleep in New ILCOR, Guidelines 2005" - the Italian Red Cross (20/11/2009)

COMPETENZE TECNICHE METODICHE DI LABORATORIO

Isolamento linee cellulari e colture cellulari (macrofagi, linfociti T, linea cellulare trofoblastica HTR-8, espanti di placenta, cellule trofoblastiche da colture di villi coriali, linee cellulari da biopsie endometriali), immunofenotipizzazione, fluorocitometria, studi funzionali immunologici, ELISA, Luminex (multiplex bead assay per dosaggio citochine e chemochine)

COMPETENZE INFORMATICHE

Piano Nazionale Informatica, Liceo Classico
MS office (Excel/Outlook/PowerPoint/Word), Graph Pad Prism and SPSS statistical software, Kaluza, Mendeley citations software.