Università degli Studi di Roma "Tor Vergata"

CURRICULUM DIDATTICO-SCIENTIFICO DELLA PROF. SSA LUISA CAMPAGNOLO

DATI PERSONALI
Nome e Cognome: LUISA CAMPAGNOLO
Luogo e data di nascita: ROMA, 03 LUGLIO 1968

***ATTUALE POSIZIONE*:** RICERCATORE
Dipartimento: BIOMEDICINA E PREVENZIONE
Indirizzo: VIA MONTPELLIER 1
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Orario ricevimento: lun-ven 12-17
Settore scientifico-disciplinare: BIO/17

ATTIVITA' DIDATTICA – SCIENTIFICA

Titoli accademici e di studio:
2000 Dottorato di Ricerca in Embriologia Medica**, Università di Roma "Tor Vergata".**
1996 Abilitazione Nazionale alla professione di biologo**.**
1995 Laurea in Scienze Biologiche **(110 e lode), Università di Roma "La Sapienza",**

Formazione post-laurea presso istituzioni italiane ed estere ed incarichi professionali (didattici e di ricerca):
2002-2003 ***Post-doctoral Fellow,*** Dip. di Cell Biology, Scripps Research Institute, San Diego, California, USA.
2000-2002 ***Post-doctoral Fellow,*** Dip. di Vascular Biology, Scripps Research Institute, San Diego, California, USA.
2000 ***Ricercatrice a contratto*** presso l'Università degli studi di Roma "Tor Vergata".
2007-oggi Visiting Assistant Professor, **Dip. di Cell and Developmental Biology, Weill Cornell Medical College, New York, NY.**
2016-oggi Research Associate**, University of Pretoria, South Africa.**

Finanziamenti e premi ricevuti per attività di ricerca:
Grant for Fertility Innovation 2017: Responsabile della ricerca, "Endometrial Notch pathway as a novel target for improving implantation efficiency"
BIORIMA, (H2020-760928): co-responsabile della ricerca, "BIOmaterial RIsk Management"
March of Dimes FY14-1676: "Role of EGFL7 in Implantation, Placental Development and Pre-eclampsia"
Ministero della Salute RF-2009-1536665: Coordinatore Unità Operativa 2, "Impact of engineered nanoparticles on reproductive health and embryonic development"
EU 7° programma quadro, *NanoReg*: Terza parte dell'Istituto Italiano di Tecnologia, "A common European approach to the regulatory testing of Nanomaterials"
ASM Associazione Studio Malformazioni: Co-responsabile della ricerca, "Definition of the role of Egfl7in the etiopathogenesis of pre-eclampsia"

Attività di ricerca: 15 pubblicazioni selezionate
1: Pietroiusti A, Vecchione L, Malvindi MA, Aru C, Massimiani M, Camaioni A, Magrini A, Bernardini R, Sabella S, Pompa PP, **Campagnolo L**. Relevance to investigate different stages of

pregnancy to highlight toxic effects of nanoparticles: The example of silica. Toxicol Appl Pharmacol. 2018 Mar 1;342:60-68.
2: Piccirilli D, Baldini E, Massimiani M, Camaioni A, Salustri A, Bernardini R, Centanni M, Ulisse S, Moretti C, **Campagnolo L**. Thyroid hormone regulates protease expression and activation of Notch signaling in implantation and embryo development. J Endocrinol. 2018 Jan;236(1):1-12.
3: **Campagnolo L**, Massimiani M, Vecchione L, Piccirilli D, Toschi N, Magrini A, Bonanno E, Scimeca M, Castagnozzi L, Buonanno G, Stabile L, Cubadda F, Aureli F, Fokkens PH, Kreyling WG, Cassee FR, Pietroiusti A. Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. Nanotoxicology. 2017 Jun;11(5):687-698.
4: Massimiani M, Vecchione L, Piccirilli D, Spitalieri P, Amati F, Salvi S, Ferrazzani S, Stuhlmann H, **Campagnolo L**. Epidermal growth factor-like domain 7 promotes migration and invasion of human trophoblast cells through activation of MAPK, PI3K and NOTCH signaling pathways. Mol Hum Reprod. 2015 May;21(5):435-51.
5: Colicchia M, **Campagnolo L**, Baldini E, Ulisse S, Valensise H, Moretti C. Molecular basis of thyrotropin and thyroid hormone action during implantation and early development. Hum Reprod Update. 2014 Nov-Dec;20(6):884-904
6: Lacko LA, Massimiani M, Sones JL, Hurtado R, Salvi S, Ferrazzani S, Davisson RL, **Campagnolo L**, Stuhlmann H. Novel expression of EGFL7 in placental trophoblast and endothelial cells and its implication in preeclampsia. Mech Dev. 2014 Aug;133:163-76.
7: **Campagnolo L**, Massimiani M, Palmieri G, Bernardini R, Sacchetti C, Bergamaschi A, Vecchione L, Magrini A, Bottini M, Pietroiusti A. Biodistribution and toxicity of pegylated single wall carbon nanotubes in pregnant mice. Part Fibre Toxicol. 2013 Jun 6;10:21.
8: Pietroiusti A, Massimiani M, Fenoglio I, Colonna M, Valentini F, Palleschi G, Camaioni A, Magrini A, Siracusa G, Bergamaschi A, Sgambato A, **Campagnolo L**. Low doses of pristine and oxidized single-wall carbon nanotubes affect mammalian embryonic development. ACS Nano. 2011 Jun 28;5(6):4624-33.
9: **Campagnolo L**, Moscatelli I, Pellegrini M, Siracusa G, Stuhlmann H. Expression of EGFL7 in primordial germ cells and in adult ovaries and testes. Gene Expr Patterns. 2008 Jul;8(6):389-96.
10: Moscatelli I, Pierantozzi E, Camaioni A, Siracusa G, **Campagnolo L**. p75 neurotrophin receptor is involved in proliferation of undifferentiated mouse embryonic stem cells. Exp Cell Res. 2009 Nov 1;315(18):3220-32.
11: **Campagnolo L**, Leahy A, Chitnis S, Koschnick S, Fitch MJ, Fallon JT, Loskutoff D, Taubman MB, Stuhlmann H. EGFL7 is a chemoattractant for endothelial cells and is up-regulated in angiogenesis and arterial injury. Am J Pathol. 2005 Jul;167(1):275-84.
12: Kuhnert F, **Campagnolo L**, Xiong JW, Lemons D, Fitch MJ, Zou Z, Kiosses WB, Gardner H, Stuhlmann H. Dosage-dependent requirement for mouse Vezf1 in vascular system development. Dev Biol. 2005 Jul 1;283(1):140-56.
13: Fitch MJ, **Campagnolo L**, Kuhnert F, Stuhlmann H. Egfl7, a novel epidermal growth factor-domain gene expressed in endothelial cells. Dev Dyn. 2004 Jun;230(2):316-24.
14: **Campagnolo L**, Telesca C, Massimiani M, Stuhlmann H, Angelico M, Lenci I, Manzia TM, Tariciotti L, Lehmann G, Baiocchi L. Different expression of VEGF and EGFL7 in human hepatocellular carcinoma. Dig Liver Dis. 2016 Jan;48(1):76-80.
15: Hougaard KS, **Campagnolo L**, Chavatte-Palmer P, Tarrade A, Rousseau-Ralliard D, Valentino S, Park MV, de Jong WH, Wolterink G, Piersma AH, Ross BL, Hutchison GR, Hansen JS, Vogel U, Jackson P, Slama R, Pietroiusti A, Cassee FR. A perspective on the developmental toxicity of inhaled nanoparticles. Reprod Toxicol. 2015 Aug 15;56:118-40.

Università degli Studi di Roma "Tor Vergata"

ACADEMIC AND SCIENTIFIC CURRICULUM OF PROF. LUISA CAMPAGNOLO

PERSONAL DATA
Name and Surname: LUISA CAMPAGNOLO
Place and date of birth: Rome, July 3rd 1968

***CURRENT POSITION*:** Assistant Professor
Department: Biomedicine and Prevention
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Italian Ministry of Education Academic-Scientific sector: BIO/17

SCIENTIFIC AND DIDACTIC ACTIVITY

Education and academic positions:

University of Rome "La Sapienza", Rome, Italy	Diploma	1995	Biology/Dev. Biology
University of Rome "Tor Vergata", Rome, Italy	PhD	1999	Medical Embryology
University of Rome "Tor Vergata", Rome, Italy	Post-doc	2000	Reproductive Biology
The Scripps Research Institute, La Jolla, CA, USA	Post-doc	2000-2003	Cell Biology

Professional and didactic activities in Italian and Foreign Institutions:

Professor of Histology for Medical Technology, University of Rome "Tor Vergata",
Professor of Histology and Embryology in the "Tor Vergata" International Medical School
Professor of Histology for Dental Hygiene, Orthopedic Techniques, Audioprothesic Techniques, Imaging and Radiotherapy techniques, Cardiocirculatory and Cardiovascular Perfusion Techniques
Visiting Professor, Dept of Cell and Dev Biol, Weill Cornell Medical College, New York, USA
Research Associate, Dept of Chemical Engineering, University of Pretoria, South Africa

Awards and funding:
Grant for Fertility Innovation 2017 (GFI, Merck): L. Campagnolo, Principal Investigator, "Endometrial Notch pathway as a novel target for improving implantation efficiency"
BIORIMA, (H2020-760928): L. Campagnolo, Co-Principal Investigator, "BIOmaterial RIsk Management"
March of Dimes FY14-1676: L. Campagnolo subcontractor, "Role of EGFL7 in Implantation, Placental Development and Pre-eclampsia"
Italian Ministry of Health RF-2009-1536665: L. Campagnolo, Operative Unit 2 Coordinator, "Impact of engineered nanoparticles on reproductive health and embryonic development"
European Community 7th Framework Project *NanoReg*: L. Campagnolo, Third Party of the Italian Institute of Technology, "A common European approach to the regulatory testing of Nanomaterials"
ASM Associazione Studio Malformazioni: L. Campagnolo, Co-principal Investigator, "Definition of the role of Egfl7in the etiopathogenesis of pre-eclampsia"

Research activity: 15 selected publications

1: Pietroiusti A, Vecchione L, Malvindi MA, Aru C, Massimiani M, Camaioni A, Magrini A, Bernardini R, Sabella S, Pompa PP, **Campagnolo L**. Relevance to investigate different stages of pregnancy to highlight toxic effects of nanoparticles: The example of silica. Toxicol Appl Pharmacol. 2018 Mar 1; 342:60-68.

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