

PAOLA REBUZZINI
CURRICULUM VITAE ET STUDIORUM

Personal information

Birth: Voghera (PV), October 27th, 1976

Education

2000 Doctor in Biological Science - University of Pavia
2001 National examination to be habilitated to the profession of Biologist.
2003 PhD fellowship of "Scuola di Specializzazione in Genetica Applicata" - University of Pavia
2012 PhD fellowship of "Dottorato in Bioingegneria e Bioinformatica" - University of Pavia

Actual job position

From April 2020 to date Ricercatore a tempo determinato tipo B (SSD BIO/06) at Department of Biology and Biotechnology "L. Spallanzani", University of Pavia

Past positions and employment

2018-2019 Postdoctoral fellowship for research project "Characterization of morpho-functional alterations of perinatal cardiomyocytes induced by environmental pollutant" - Department of Biology and Biotechnology "L. Spallanzani", University of Pavia

2014-2017 Postdoctoral fellowship for research project "Study of the differentiation of embryonic stem cells into cardiomyocytes in the presence of xenobiotics" - Department of Biology and Biotechnology "L. Spallanzani", University of Pavia

2008-2014 Postdoctoral fellowship for research project "Radioresistance of mouse embryonic stem cell: analysis of the maintenance of their stemness and the ability to differentiate" - Department of Biology and Biotechnology "L. Spallanzani", University of Pavia

2006-2008 Postdoctoral fellowship for research project "Reprogramming of mouse fibroblasts into mouse stem cell-like by embryonic stem cell extract" - Department of Animal Biology, University of Pavia

2005-2006 Postdoctoral fellowship for research project "Analysis of the quantitative expression of pluripotency genes in reprogrammed mouse stem cell-like cell line and analysis of mesodermic, ectodermic and endodermic markers" - Department of Animal Biology, University of Pavia

2004 Fellowship of "Buzzati-Traverso Foundation" for research project "Analysis of gene amplification in telomerase deficient immortalized mouse embryonic fibroblasts" - Institute of Molecular Genetics, CNR, Pavia

2003 Fellowship of the National Council Research for research project "Analysis of junction formation after DNA double strand break induction in hamster cells defective in NHEJ using an episomic system" - Institute of Molecular Genetics, CNR, Pavia

2001 Fellowship of "Buzzati-Traverso Foundation" for research project "Analysis of DNA double strand breaks in specific hamster chromosome sites" - Institute of Molecular Genetics, CNR, Pavia

2001 Fellowship of National Council Research fellowship for research project "Analysis of mouse chromosome spreads with telomeric probe"- Institute of Molecular Genetics, CNR, Pavia

Areas of research interest

- 1) embryonic stem cells and differentiation alterations induced by xenobiotics exposure;
- 2) gametes alterations induced by xenobiotics exposure;
- 3) functional reprogramming of somatic cells.

Teaching courses

- A.Y.2019-2020 to date “Biologia Cellulare Avanzata” course, SSD BIO/06; 6 CFU. Corso di Laurea Magistrale in Biologia Sperimentale Applicata (curriculum “Scienze Biomediche Biomolecolari”). Department of Biology and Biotechnology “L. Spallanzani”, University of Pavia
- A.Y. 2016-2017 to date “Biologia e Fisiologia Applicate” course, modulo di Biologia Generale, SSD BIO/06; 3 CFU. Corso di Laurea Magistrale in Bioingegneria (LM-21: Curriculum ‘Sanità digitale’ e Curriculum ‘Sensoristica e strumentazione biomedica’ (Fino A.A. 2018-2019, Curriculum ‘Tecnologie per la salute’). Faculty of Engineering, University of Pavia
- A.Y. 2016-2017 to date Corso di “Fondamenti di Biologia e Genetica”, modulo di Biologia Generale, SSD BIO/06; 3 CFU. Corso di Laurea Magistrale in Bioingegneria (LM-21: Curriculum ‘Sanità digitale’ e Curriculum ‘Cellule, tessuti e dispositivi’ (Fino A.A. 2018-2019, Curriculum ‘Bioingegneria delle cellule e dei tessuti’). Faculty of Engineering, University of Pavia
- From 2011 to date Expert for all SSD BIO/06 - Anatomia Comparata e Citologia courses.
- From 2005 to date Supervisor or co-supervisor of N. 28 thesis
- A.Y. 2016-2019 Supervisor of N. 1 PhD thesis of Dottorato di Ricerca in Genetica, Biologia Molecolare e Cellulare, Ciclo XXXII, titled “Embryonic stem cells and their differentiated cardiomyocytes: a model study of endocrine disruptors toxicity”.

National habilitation

- 03-2017 Abilitazione Scientifica Nazionale (BANDO D.D. 1532/2016; I tornata 2016) come professore di II fascia per il settore concorsuale 05/B2 - Anatomia comparata e Citologia.

Other

2001; 2002, 2003 Awarded for Scuola Avanzata di Formazione Integrata (SAFI) - University of Pavia

“Ad hoc reviewer” for the following peer-reviewed international journals:

- BMC Cell biology
- Chromosome research
- Current gene therapy
- European Journal of histochemistry
- Gene
- International Journal of Developmental Biology
- International Journal of Molecular Sciences
- Journal of cellular biochemistry
- Journal of genetics
- Scientific reports
- Stem cell research
- Stem cells international

- The Open Biotechnology Journal
- Toxicology letters