



## Curriculum Vitae

Personal information Pia Rivetti di Val Cervo

### Work experience

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1. Employer: Italian Medicines Agency \_ AIFA
  - Start date: 122021
  - End date:
  - Position: Biologist
  - Activities: Support to the HTA activity for Advanced Therapy Medicinal Products.
  - Country: Italy
2. Employer: Elsevier
  - Start date: 112021
  - End date: 122021
  - Position: Scientific Editor
  - Activities: Scientific Editor for peer\_reviewed journals belonging to Elsevier's LifeSciences portfolio.
  - Country: Italy
3. Employer: Università degli studi di Milano
  - Start date: 052021
  - End date: 072021
  - Position: Scientific Writer
  - Activities: Editing and revision of scientific documents for publication and dissemination.
  - Country: Italy
4. Employer: Università degli studi di Milano
  - Start date: 102019
  - End date: 052021
  - Position: Senior Post\_doctoral Researcher
  - Activities: Development of a new gene silencing approach as a therapeutic approach for the Adult onset autosomal dominant Leukodistrophy, in collaboration with the Neuroscience Institute Cavalier Ottolenghi\_NICO of Turin.
  - Country: Italy
5. Employer: Università degli studi di Milano
  - Start date: 052017
  - End date: 102019
  - Position: Senior Post\_doctoral scientist \_ Marie Curie Fellow
  - Activities: Generation of a disease modelling platform based on directly\_reprogrammed medium spiny neurons to screen new therapeutic compounds against Huntington's Disease. Development of Standard operating procedures and protocols for lentiviral production.
  - Country: Italy
6. Employer: Karolinska Institutet
  - Start date: 112014
  - End date: 042017
  - Position: Coordinator of the Viral Facility
  - Activities: Establishment of Standard Operating Procedures and Good Laboratory Practices for work with genetically modified organisms (GMOs), specifically viral vectors. Compliance advisory for biocontainment strategies and microbiological techniques. Training and supervision on biosafety level II work with genetically modified organisms (GMOs).
  - Country: Sweden
7. Employer: Karolinska Institutet
  - Start date: 012011
  - End date: 052017
  - Position: Post\_doctoral scientist \_ EMBO and Vetenskapsradet Fellow
  - Activities: Development of a gene therapy approach for the in vivo direct conversion of astrocytes into dopaminergic neurons as a therapeutic alternative for Parkinson's Disease. Teaching.
  - Country: Sweden
8. Employer: Medical Research Council \_ Toxicology Unit
  - Start date: 072008
  - End date: 082008
  - Position: Visiting scientist
  - Activities: Research on the interplay between miR34 and ITCH in chronic lymphocytic leukemia.
  - Country: United Kingdom
9. Employer: Centre National de Recherches Scientifiques (CNRS), Institut de Biochimie et Biophysique Moléculaire et Cellulaire (IBBMC)
  - Start date: 092005
  - End date: 032006
  - Position: Visiting scientist
  - Activities: Proteomic analysis of the Thioredoxin/Thioredoxin Reductase system targets in *S. cerevisiae*.
  - Country: France

### Education and training

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1. Subject: Università di Roma Tor Vergata

- Start date: 122008
  - End date:
  - Qualification: Board Certification as Licensed Biologist
  - Organisation:
  - Country: Italy
2. Subject: Università di Roma Tor Vergata
- Start date: 102006
  - End date: 012011
  - Qualification: Ph.D. in Biochemistry and Molecular Biology
  - Organisation: Evaluation of the role of microRNAs in epidermal differentiation and senescence, as well as brain morphogenesis.
  - Country: Italy
3. Subject: Università Sapienza of Rome
- Start date: 092004
  - End date: 102006
  - Qualification: Master Degree in Genetics and Molecular Biology
  - Organisation: Mass spectrometric analysis of post\_synthetic modifications in polypeptides and their involvement in protein function and structure.
  - Country: Italy
4. Subject: Università Sapienza of Rome
- Start date: 092001
  - End date: 072004
  - Qualification: Bachelor Degree in Biological Sciences
  - Organisation: Structural analysis of M. leprae's truncated haemoglobin O using LC\_MS and MALDI\_ToF technology.
  - Country: Italy

## Additional information

### Publications

Rivetti di Val Cervo P, Besusso D, Conforti P, Cattaneo E. "hiPSCs for predictive modelling of neurodegenerative diseases: dreaming the possible" *Nature Reviews Neurology* 17, 381-392 (2021) Giorgio E, Lorenzati M, Rivetti di Val Cervo P, Brussino A, Cernigoi M, Della Sala E, Bartoletti Stella A, Ferrero M, Caiazzo M, Capellari S, Cortelli P, Conti L, Cattaneo E, Buffo A, Brusco A. "Allele-specific silencing as treatment for gene duplication disorders: proof-of-principle in autosomal dominant leukodystrophy" *Brain* 142, 1905-1920 (2019) Vezzoli E, Caron I, Talpo F, Besusso D, Conforti P, Battaglia E, Sogne E, Falqui A, Petricca L, Verani M, Martufi P, Caricasole A, Bresciani A, Cecchetti O, Rivetti di Val Cervo P, Sancini G, Riess O, Nguyen H, Seipold L, Saffig P, Biella G, Cattaneo E, Zuccato C. "Inhibiting pathologically active ADAM10 rescues synaptic and cognitive decline in Huntington's disease." *J Clin Invest* 129, 2390-2403 (2019) Rivetti di Val Cervo P, Romanov RA, Spigolon G, Masini D, Martín-Montañez E, Toledo E, La Manno G, Feyder M, Pifl C, Ng Y\_H, Padrell Sánchez S, Linnarsson S, Wernig M, Harkany T, Fisone G, Arenas E. "Direct reprogramming of human and rodent astrocytes into functional induced dopaminergic neurons in vitro and in vivo" *Nature Biotechnology* 35, 444-452 (2017) Villaescusa JC, Toledo EM, Rivetti di Val Cervo P, Yang S, Kaiser K, Islam S, Gyllborg D, Landreh M, Falk A, Bergman T, Li B, Selleri L, SRW, Barker RA, Laguna\_Goya R, Linnarsson S, Arenas E. "A PBX1 transcriptional network controls dopaminergic neuron development and it is impaired in Parkinson's disease." *EMBO J* 35, 1963-78 (2016) Lena AM, Mancini M, Rivetti di Val Cervo P, Saintigny G, Mahé C, Melino G, Candi E. "MicroRNA\_191 triggers keratinocytes senescence by SATB1 and CDK6 downregulation." *Biochem Biophys Res Commun* 423, 509-14 (2012) Rivetti di Val Cervo P, Lena AM, Nicoloso M, Rossi S, Mancini M, Zhou H, Saintigny G, Dellambra E, Odorisio T, Mahé C, Calin GA, Candi E, Melino G. "p63\_microrna feedback in keratinocyte senescence." *Proc Natl Acad Sci USA* 109, 1133-8 (2012) Agostini M, Tucci P, Candi E, Shalom\_Feuerstein R, Rivetti di Val Cervo P, Aberdam D, Knight RA, Nicotera P, McKeon F, Melino G. "p73 regulates miR\_34a in neuronal differentiation" *Proc Natl Acad Sci USA* 108, 21093-8 (2011) Rivetti di Val Cervo P, Tucci P, Majid A, Lena MA, Agostini M, Bernardini S, Candi E, Cohen G, Nicotera P, Dyer MJ, Melino G. "p73, miR106b, miR34a, and Itch in chronic lymphocytic leukemia." *Blood* 113, 6498-9 (2009) Candi E, Cipollone R, Rivetti di Val Cervo P, Gonfloni S, Melino G, Knight R. "p63 in epithelial development." *Cell Mol Life Sci* 65, 3126-33 (2008) Lena AM, Shalom\_Feuerstein R, Rivetti di Val Cervo P, Aberdam D, Knight RA, Melino G, Candi E. "miR\_203 represses 'stemness' by repressing DeltaNp63." *Cell Death Differ* 15, 1187-95 (2008) Trandafir F, Hoogewijs D, Altieri F, Rivetti di Val Cervo P, Ramser K, Van Doorslaer S, Vanfleteren JR, Moens L, Dewilde S. (2007) "Neuroglobin and cytoglobin as potential enzyme or substrate." *Gene* 398, 103-13 (2007)

### Projects

Granted Funding 2018 \_ EuroBioImaging collaborative project for the Advanced Light Microscopy Italian Node \_ EuBi\_PIRI081 2017 \_ H2020 Marie Skłodowska-Curie post\_doctoral Individual Fellowship \_ DISMODHD 2016 \_ Erasmus+ teacher mobility grant 2016 \_ ISSCR travel award. 2015 \_ Karolinska Institutet Research Foundations, research grant \_ 2013fobi37520. 2011 \_ Vetenskapsrådet post\_doctoral fellowship \_ 524\_2011\_962. 2011 \_ EMBO long\_term post\_doctoral fellowship \_ ALTF 583\_2011. 2006 \_ PhD scholarship from the Italian Ministry of Education. 2004 \_ Scholarship for Master Thesis abroad from the Faculty of Sciences, University Sapienza of Rome (Italy)

### Memberships

Coordinator and member of the scientific committee "La Spes" ONLUS Rome, Italy Coordination of the scientific committee activities and evaluation of research projects on neurological aspects of Wiskott-Aldrich Syndrome.

### Other Relevant Information

Presentations, Conferences and Seminars 2020 \_ Invited speaker at the conference "REWRITING DNA - new research frontiers on rare diseases" organized by LaSpes \_ Milan, Italy. 2018 \_ Invited lecture on "Cellular reprogramming, from bench to bedside" at the University of Malaga, faculty of Medicine \_ Malaga, Spain. 2018 \_ Invited lecture on "Cellular reprogramming, past present and future" at the University of Milan, course in Biomedicine \_ Milan, Italy. 2017 \_ Seminar on "Direct reprogramming of astrocytes into induced dopaminergic neurons. Opening of a new therapeutic possibility for Parkinson's Disease" at the INGM institute \_ Milan, Italy. 2016 \_ Conference talk on "Direct reprogramming of astrocytes into induced dopaminergic neurons in vitro and in vivo" at the ISSCR annual conference \_ San Francisco (CA, U.S.A) 2016 \_ Seminar on "Direct reprogramming of astrocytes into induced dopaminergic neurons. Opening of a new therapeutic possibility for Parkinson's Disease" at the IBIMA conference, University of Malaga \_ Malaga, Spain. 2016 \_ Invited lecture on "Cellular reprogramming - basic concepts" at the University of Malaga, faculty of Medicine \_ Malaga, Spain. 2016 \_ Seminar on "Direct reprogramming of human and rodent astrocytes into functional induced dopaminergic neurons in vitro and in vivo" at the MBB department, Karolinska Institutet \_ Stockholm, Sweden. 2016 \_ Seminar on "direct reprogramming of astrocytes" at the division of Molecular Neurobiology, Karolinska Institutet \_ Stockholm, Sweden. 2008 \_ Seminar on "miR\_203 represses 'stemness' by repressing DeltaNp63" at the "Programmed Cell Death" meeting in Villa Vigoni \_ Loven di Menaggio, Italy. 2007 \_ Seminar on "DeltaNp63 regulates thymic development through enhanced expression of FgfR2 and Jag" at the "Cell Death" meeting \_ Sarteano, Italy.