

## CURRICULUM VITAE

Name: **GHIGNA Claudia**

Birth: Pavia, 3 September 1971

Citizenship: Italian

Address: Institute of Molecular Genetics, National Research Council (IGM-CNR),  
via Abbiategrasso, 207 – 27100, Pavia – Italy

Tel.: 0382-546324

Fax: 0382-422286

E-mail: [arneri@igm.cnr.it](mailto:arneri@igm.cnr.it)

### Employment/Education

- 2004-2005 Visiting Scientist, laboratory of Prof. Michael R. Green, Howard Hughes Medical Institute - HHMI, University of Massachusetts, Worcester, MA, USA;
- 2001-present Researcher Institute of Molecular Genetics, National Research Council (IGM-CNR), Pavia – Italy;
- 2000 Advanced School of Integrated Studies (SAFI), Institute of Superior Studies, University of Pavia;
- 2000 PhD Genetics and Molecular Biology, University of Pavia;
- 1997 Qualified Professional Biologist, University of Pavia;
- 1995 Degree in Biological Sciences cum laude, University of Pavia.

### Awards

- 2004-2005 Short-Term Mobility Grant from National Research Council;
- 2001 National Research Council Fellowship;
- 1996-1997 Adriano Buzzati-Traverso Fellowship.

### Grant as Principal Investigator (PI)

- 2015-2017. Associazione Italiana per la Ricerca sul Cancro (AIRC) (project number: IG 2015 Id.17395);
- 2014-2015. Fondazione Banca del Monte di Lombardia;
- 2011-2014. Association for International Cancer Research (AICR-UK) (project number: 11-0622);
- 2011-2014. Associazione Italiana per la Ricerca sul Cancro (AIRC) (project number: 11913).

### Teaching Experience

- 2016 PhD Course Organizer: “DNA and RNA metabolisms meet at chromatin to control genome stability”, PhD School of Genetics and Biomolecular Sciences, University of Pavia
- 2013 PhD Course Organizer: “Chromosome dynamics and genome stability”, PhD School of Genetics and Biomolecular Sciences, University of Pavia;
- 2011 PhD Course Organizer: “Frontiere di Biologia Molecolare, PhD

- 2009-present School of Genetics and Biomolecular Sciences, University of Pavia;  
 Student Supervisor, PhD School of Genetics and Biomolecular Sciences, University of Pavia;
- 2009-present Student Supervisor, Master's degree in Molecular Biology and Genetics, University of Pavia;
- 2009-present Student Supervisor, Bachelor degree (first level) in Biological Science, University of Pavia;
- 2008-present Student Supervisor, Bachelor degree (first level) in Biotechnology, University of Pavia;
- 2006-present Student Supervisor, Master's degree in Experimental and Applied Biology, University of Pavia;
- 2005-present Student Supervisor, PhD School of Biomolecular Sciences and Biotechnologies, University of Pavia.

### **Courses**

- RNA Therapeutics - Harvard Medical School – Portugal Program and European Network of Excellence on Alternative Splicing, EURASNET, 2010 Lisbon, Portugal;
- RNA Structure and Function - International Centre for Genetic Engineering and Biotechnology - ICGEB, 1996 Trieste, Italy.

### **Ad hoc reviewer**

**Journals:** Science; Human Molecular Genetics; Journal of Molecular Medicine; Scientific reports; Molecular Cancer; Oncotarget; PLOS ONE; Apoptosis; FEBS Letter; Cellular and Molecular Neurobiology; Clinical and Experimental metastasis; World Journal of Gastroenterology; International Journal of Cancer; Neurological Sciences; Biochimica et Biophysica Acta (BBA) - BBA Gene Regulatory Mechanisms; Journal of Cardiovascular Medicine.

**Funding Agencies:** Consultant for the evaluation of “Valutazione della Qualità della Ricerca (VQR) 2011-2014 of ANVUR (National Agency for the Evaluation of the University and Research System); The Wellcome Trust/DBT-India Alliance; North West Cancer Research (NWCR); French National Research Agency (ANR); The Wellcome Trust - London; “FIRB Giovani 2013” (MIUR, Ministry of Education, University and Research); AIDS Grant Programme (Italian Ministry of Health); Bandi Sir 2014 (MIUR, Ministry of Education, University and Research); Programma per Giovani Ricercatori "Rita Levi Montalcini” (MIUR, Ministry of Education, University and Research).

**Dr Ghigna is included** in the register of independent, Italian and foreign experts, established at the Ministry of Education, University and Research (MIUR) (<https://reprise.cineca.it>).

**2017 National Scientific Qualification for Assistant Professor (II Level) in:**

- BIOLOGY APPLIED (05-F1)
- MOLECULAR BIOLOGY (05-E2)
- GENETICS (05-I1)

### Editor

- **Special Issue:** “Alternative splicing: role in cancer development and progression” in *International Journal of Cell Biology*”. Volume 2013 (2013). <https://www.hindawi.com/journals/ijcb/2013/421606>
- **Special Issue:** “Posttranscriptional Regulation and RNA Binding Proteins in Cancer Biology”. *BioMed Research International*. Volume 2015 (2015). <https://www.hindawi.com/journals/bmri/2015/897821/>
- **Editorial board:** *Global Journal of Human Genetics & Gene Therapy*. <http://www.synchropublisher.com/journals/medical/global-journal-of-human-genetics-gene-therapy/editorial-board>

### Prizes

Best young researcher, Italian National Research Council (CNR), 2009.

### Scientific Collaboration

- Prof. Elisabetta Dejana (IFOM-IEO, Milano - Italia);
- Prof. Anne Eichmann (Yale University School of Medicine, New Haven, CT, USA);
- Prof. Benjamin J. Blencowe (University of Toronto, Toronto - Canada);
- Dr. Ugo Cavallaro (European Institute of Oncology - IEO, Milano - Italy);
- Prof. Daniel Nyqvist (Department of Medical Biochemistry and Biophysics, Karolinska Institutet, Stockholm - Sweden);
- Dr. Manuel Irimia (EMBL/CRG Research Unit in Systems Biology, Centre for Genomic Regulation (CRG), Barcelona – Spain);
- Dr. Marco Presta (Department of Molecular and Translational Medicine, University of Brescia, Brescia - Italy);
- Prof. Francisco Baralle (International Centre for Genetic Engineering and Biotechnology - ICGEB, Trieste - Italy);
- Dr. Serena Zacchigna (Molecular Medicine Laboratory, ICGEB, Trieste – Italy).
- Dr. Emanuele Buratti (International Centre for Genetic Engineering and Biotechnology - ICGEB, Trieste - Italy);
- Dr Rosa Bernardi (Fondazione San Raffaele del Monte Tabor, Milano - Italia);
- Prof. Steven E. Brenner (University of California Berkeley, California - USA);
- Dr. Davide Gabellini (Fondazione San Raffaele del Monte Tabor, Milano – Italia);
- Dr. Carla Taveggia (Fondazione San Raffaele del Monte Tabor, Milano – Italia);
- Dr. Giuseppe Biamonti (Institute of Molecular Genetics, National Research Council IGM-CNR, Pavia – Italy);
- Prof. Michael R. Green (Howard Hughes Medical Institute, University of Massachusetts Medical School, Worcester, Massachusetts - USA);

- Prof. Claudio Sette (University of Rome Tor Vergata, Roma - Italy);
- Dr. Maria Paola Paronetto (Department of Movement, Human and Health Sciences Università del Foro Italico, Roma - Italy).
- Dr. Federico Forneris (Armenise-Harvard Laboratory of Structural Biology, Dept. Biology and Biotechnology, University of Pavia, Pavia, - Italy);
- Dr. Simona Polo (IFOM-IEO, Milano - Italia).