

Curriculum vitae Marco VANONI

CAREER

2013-2017 Coordinator of the PhD School in Life Sciences (now PhD in Biology and Biotechnology), University of Milano-Bicocca

2004-2012 Coordinator of the PhD School in Biotechnology 2001 Full Professor of Biochemistry, University of Milano-Bicocca

2000-2001 Member of the Academic Senate, University of Milano-Bicocca.

1994-2003 Scientific Secretary of the School of Specialization in Biotechnological Applications, University of Milano

1992 Associate Professor of Biochemistry, University of Milano

1991 Visiting scientist at the Biochemistry Department of the Ecole Polytechnique, Paris

1989 Visiting scientist at the Biochemistry Department of the Albert Einstein College of Medicine New York (USA)

1986 Visiting scientist at the Biochemistry Department of the Albert Einstein College of Medicine New York (USA)

1984-85 Post-doctoral fellow at the Biochemistry Department of the Albert Einstein College of Medicine New York (USA)

1982 Specialization "cum laude" in Biological Research at the University of Milan

1980 Laurea "cum laude" in Biological Sciences at the University of Milan

SCIENTIFIC ACTIVITY

The main current scientific interests include molecular and computational studies in the field of systems biology of signal transduction, proliferation and cell metabolism in lower (*S. cerevisiae*) and higher eukaryotes (mammalian cells in culture) with particular applications to study of the interrelations between metabolism and altered cell growth, drug resistance and early events of metastasis in cultured tumor cells.

Author of over 120 articles and reviews in international journals with referees in the field of biochemistry and cell biology and systems (H-index 37 and over 4400 citations, source Google Scholar 2021)

INVITED SPEAKER

Invited as a speaker at various Italian and international conferences/schools, including: The Congress of the Italian Society of Biochemistry, Yeast International meeting, International Congress of Biotechnology, Summer School on Systems Biology and Cancer, COSYS School on Computational Biology, Congress of the Italian Biochemistry PhD Schools

REVIEWER

Reviewer for international journals of Biochemistry, Molecular Biology, Bioinformatics and Systems Biology, including:

Biotechnology Advances, Biochemical Biophysica Acta, FEBS Letters, FEBS J, Oncogene, Biotechnology Progress, Current Genetics, Molecular Biology of the Cell, BMC Bioinformatics, BMC Systems Biology, Biotechnology for Biofuels, BMC Genetics, PLoS Computational Biology, Source Code for Biology and Medicine, Yeast FEMS Research, Frontiers in Physiology

EDITOR

EDITOR of the Biotechnology Advances (2012) issue on Systems Biology for Biomedical Innovation

EDITOR of the Current Opinion in Biotechnology (June 2020) issue on Systems Biology

EDITOR for Frontiers in Physiology (Systems Biology section)

EVALUATOR OF PROJECTS

- MIUR (Cofin / Firb)
- National Science Foundation (NSF) USA

- Ministry of University of Belgium
- Ministry of University of Poland
- Ministry of University of Hungary
- CNRS (France).
- Regione Piemonte

Consultant for Patent Attorneys In The Biotechnology Field

COORDINATOR OF NATIONAL/INTERNATIONAL PROJECTS

Italian Grants

- CNR - Progetto Finalizzato Biotechnologie – 1994-1997 Structure-function studies of the Ras
- Guanine Exchange factor RasGrf1 - Operative Unit PI
- MIUR_COFIN
- Integrated comparative analysis of calcium-dependent modulation of transcriptome, proteome and cell cycle control in yeast and mammalian cells 2002-2004 Operative Unit PI
- Extracellular and intracellular sensing of nutrients and cell cycle progression in the yeast *Saccharomyces cerevisiae*
- 2006-2008 Scientific Coordinator
- MIUR-FIRB
- Rete italiana di Bioinformatica, ITALBIONET (2010-2012) Operative Unit PI
- MIUR (2018-ongoing) progetto Dipartimenti di Eccellenza – Scientific Coordinator
- Scientific Coordinator of the *Excellence Grant* of the Department of Biotechnology and Biosciences of the University of Milan-Bicocca (Competitive grant awarded by the National Ministry of University and Research)
- Nedd (2009-2012) Operative Unit PI (Regione Lombardia)

International Grants

- FP7-UNICELLSYS (2009-2013) Operative Unit PI
- H2020-Epipredict (2015- 2018) Operative Unit PI
- H2020 – Amplitude (2020-ongoing) Operative Unit PI

Grants from Companies

- Keyros (1997-2000) Development of Kex-like processing proteases – PI of the project
- Norpharma (2001-2002) Engineering of Kex-like processing proteases – PI of the project
- ADIENNE (2013-2014) Molecular Characterization of CD26-Begedine complexes for orphan drug development – PI of the project
- Creabilis Biotech 2006-2009 Development of Ras inhibitory molecules – PI of the project
- Creabilis Biotech 2012-2013 Molecular Characterization of HMGB1 and derived molecules to DNA– PI of the project
- Primm Biotech 2012-2014 Molecular characterization of antibodies to enzymes involved in metabolic rewiring in cancer – PI of the project