

Luciano Conti - Curriculum Vitae

Personal data

Date of birth:
Place of birth:
Nationality:
Work Address:

Phone/FAX:
Website:
Email:

Research areas:

(i) pluripotent stem cells (PSCs) and neural stem cells (NSCs) self-renewal and directed differentiation to defined mature lineages; (ii) brain diseases *in vitro* modelling by means of patient-specific hPSCs and hNSCs

Professional Experiences

October 2014/present: Associate professor of Applied Biology at the Department of Cellular, Computational and Integrative Biology - CIBIO, Università degli Studi di Trento, Italy.

October 2013/September 2014: Assistant professor of Pharmacology at the Centre for Integrative Biology (CIBIO), Università degli Studi di Trento, Italy.

January 2005/September 2013: Assistant professor of Pharmacology (BIO/14), tenure track. Dept. of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Italy.

2001/2004: Postdoctoral fellow in Prof. Austin Smith's lab, Institute for Stem Cell Research, Edinburgh University, Edinburgh, Scotland, UK.

Education/Qualifications

March 2002: Ph.D. defense.

October 1997/2001: PhD student in Cellular and Molecular Biotechnology applied to the Biomedical sciences at the University of Brescia, Italy.

December 1995/September 1997: Research fellow in the laboratory led by Prof. Elena Cattaneo, Department of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano, Italy.

December 1995: Ph.D degree in Biology at the Università degli Studi di Milano, Italy.

Awards and Distinctions

2009: *Premio Ricercatissimi*, Award from the Regione Lombardia.

- 2008:** PUR Award for Young Investigators (under 38) awarded by Università degli Studi di Milano.
- 2005:** Award from the *Italian Cell Culture Association*.
- 2002:** Award from *Società Italiana di Farmacologia (SIF)* for Young Investigator (under 35).
- 2001:** *Premio Bruno Ceccarelli for Young Neuroscientist Award* for studies on Neurosciences.

Invited seminars and invited presentations at national and international meetings.

- Invited speaker at 28 at Italian and international Universities.
- Invited speaker at 17 national and 23 international congresses.

Research Grants Awarded

P.I. or co-P.I. in 17 funded grant applications.

Membership of scientific societies

Member of:

- ABCD Associazione di Biologia Cellulare e del Differenziamento (ABCD). Co-Chair (2015-2016) and Chair (2017-2018) of the *Group of interest in Stem cells, development and regenerative medicine*.
- International Society for Stem Cells Research (ISSCR).

Editorial activity

- **2008-2017:** Associate Editor, *European Journal of Neuroscience*.
- **2012-today:** Associate Editor, *BMC Neuroscience*.
- **2018-today:** Associate Editor, *Cells*.

Peer-review Activities (journals and funding agencies)

- **Reviewer for peer review international journals:** *Aging Cell, BMC Genomics, Cancer Gene Therapy, Cell & Molecular Life Science, Cell Death & Differentiation, Cells, European Journal of Neuroscience, Expert Opinion on Drug Discovery, International Journal of Cancer, International Journal of Developmental Neuroscience, Journal of Biological Chemistry, Journal of Neuroscience, Lancet, Molecular and Cellular Neuroscience, Nature Communication, Nature Review Neuroscience, Neoplasia, Neurobiology of Diseases, Neurochemistry, Neuroscience, Oncogene, PLoS ONE, Scientific Reports, Stem cells, Stem Cells Research, Stem Cells & Development, Stem Cell Discovery, Stem Cell International*.
- **Reviewer for national and international funding agencies:** *Italian Ministry for University and Research, Neurological Foundation of New Zealand, The Istituto Toscano Tumori (ITT), Deutsche Forschungsgemeinschaft (DFG), Scottish Rite Charitable Foundation, Czech Science Foundation*.

Organization of national and international scientific meetings

- **September 2018:** *"From Stress Response to Tissue Development and Regeneration"*, joint meeting of CSSA (Cell Stress, Survival and Apoptosis) and SCDRM (Stem Cells, Development and Regenerative Medicine) ABCD groups, Pavia 28-29th September 2018.
- **September 2017:** *"Group of interest in Stem cells, development and regenerative medicine"*, ABCD National Congress, Bologna 22nd September 2017.
- **September 2015:** *"Group of interest in Stem cells, development and regenerative medicine"*, ABCD National Congress, Bologna 19th September 2015.
- **March 2013:** *"Neural Stem cells: Biology & Applications"* Monothematic CEND Meetings (Center of Excellence on Neurodegenerative Diseases, Università degli Studi di Milano), Milan, 14th March 2013.
- **September 2012:** International Summer School *"Neural Stem cells in Development and Brain Diseases"*, Levico Terme (TN) 4-8th September 2012.

Patents

"Neural Stem Cells" Publication Number: WO/2005/121318; International Application No.: PCT/GB2005/002289 Publication Date: 22.12.2005. The University of Edinburgh.

Publications (Scopus, 04 June 2020)

ORCID: <https://orcid.org/0000-0002-2050-9846>

Peer-reviewed articles: 76 - book chapters: 8

H-index: 26 - Total citations: 4682 - Total I.F.: 430

PERSONAL INFORMATION

Michela Rocuzzo

WORK EXPERIENCE

August 2017 – present

Facility manager

Facility Manager in the Advanced Imaging Core Facility (AICF) of the Department of Cellular, Computational and Integrative Biology (CIBIO) at the University of Trento. Trento, Italy.

Main tasks:

- Responsible for day-to-day running of the Facility.
- Ensure the proper functioning and maintenance of the Facility instrumentations.
- Training and supervision of the user of the Facility.
- Provide technical and scientific support throughout every step of imaging experiments (experimental design, choice of imaging modality and image acquisitions).
- Give support during image processing and data analysis.
- Manage the collection of user fees and monitor the operational budget.

October 2014 – July 2017

Post-doctoral fellow

Armenise-Harvard laboratory of axonal neurobiology of Dr Marie-Laure Baudet. Centre for Integrative Biology (CIBIO) at the University of Trento. Trento, Italy.

Research project: "Live trafficking of miRNAs in axons during brain development in vitro and in vivo".

January 2014 – October 2014

Post-doctoral fellow

Laboratory of Dr Rosella Visintin at the European Institute of Oncology (IEO), Department of Experimental Oncology. Milan, Italy.

Research project: "Live-cell imaging applied to the study of chromosome segregation and mitotic spindle dynamics during mitosis".

TEACHING EXPERTISE

24-25-27 June 2019

Frontal lectures

"Make scientific figures better and faster" course for PhD students of the International Doctoral Program in Biomolecular Sciences. University of Trento. Trento, Italy.

Taught to a group of 20 students: how to turn data into publication-ready figures at high quality resolution, using Open Source software. This includes changes to file type, resolution, colour space, font, scale, line weights, and layout (to improve readability and professional appearance).

9-16-27 March 2018

Frontal lectures

"Basic concepts in optical microscopy" course for PhD students of the International Doctoral Program in Biomolecular Sciences. University of Trento. Trento, Italy.

Taught to a group of 20 students: fundamental basis of optical microscopy, physical principles of wide-field, confocal and super resolution microscopy, main aspects of live-cell imaging and how to plan and develop an imaging experiment.

February 2016 – October 2016 Thesis supervisor

Second year Master's student in Cellular and Molecular Biotechnology. University of Trento, Italy.

Taught: technical support and advise on thesis writing and oral presentation.

Thesis topic: "RNA localization: Molecular Beacon probes to study endogenous RNA trafficking in living neuronal cells".

November 2015 – December 2016 Practical Laboratory

Organization and teaching for two consecutive years of the practical laboratory part of the "Macromolecular imaging" course led by Dr. Baudet. Master's in Cellular and Molecular Biotechnology, University of Trento, Italy.

Taught to a group of 30 students: immunohistochemistry on cryosections for co-localization studies of two or more proteins within a tissue sample and multicolour image acquisition with fluorescence and confocal microscopes.

December 2014 – December 2016 Frontal lectures

Taught a total of four frontal lectures within the "Macromolecular imaging" course led by Dr. Baudet. Master's in Cellular and Molecular Biotechnology, University of Trento, Italy.

Taught: "Imaging living cells with the microscope" and "Fluorescent dyes and fluorescent proteins".

EDUCATION AND TRAINING**January 2010 – December 2013 Ph.D student**

Laboratory of Dr. Rosella Visintin. Enrolled in the Molecular Medicine Ph.D program of the European School of Molecular Medicine (SEMM) at the IFOM-IEO Campus (Department of Experimental Oncology) – Milan, Italy.

Research project: "Chromosome segregation in budding yeast *Saccharomyces cerevisiae*".

September 2007 – October 2009 Master's degree in Biology Applied to Biomedical Research

University of Milan, Italy – Mathematics, Physics and Natural Sciences Course.

Thesis project: "Analysis of mitotic exit in *Saccharomyces cerevisiae*: role of the kinases Clb2-Cdk and Cdc5 in the FEAR network".

Supervisor: Rosella Visintin, Ph.D.

Score: **110/110 cum laude**

September 2004 – October 2007 Bachelor's degree in Biology

University of Milan, Italy – Mathematics, Physics and Natural Sciences Course.

Thesis project: "Purification assay of the *Mycobacterium smegmatis* ribonuclease involved in the processing of the *furA-katG* transcript".

Supervisor: Daniela Ghisotti, Ph.D.

Score: **110/110 cum laude**

MICROSCOPY EXPERTISE

- Microscopy**
- Laser-scanning and Spinning disk Confocal microscopy.
 - Deconvolution microscopy (DeltaVision Deconvolution Elite imaging system).
 - Laser-capture microdissection (LCM).
 - Wide-field fluorescence microscopy.
 - Bright-field, phase contrast and differential interference contrast microscopy.
 - Stereo and dissection microscopy.

- Imaging software**
- Zeiss Zen blue and AxioVision
 - Leica LasX and LasAF
 - Nikon NIS-Elements AR
 - Till Photonics LA and OA
 - Metamorph

- Specialised imaging techniques**
- Live-imaging (*S. cerevisiae* cell cycle, human cell cultures, tissue explants).
 - Particle tracking in living primary neurons in cultures (Single-Particle Tracking - SPT analysis, Mean Square Displacement - MSD analysis, Kymograph generation and analysis).
 - Whole animal imaging (“exposed-brain” preparation to study optic projection during brain development of *Xenopus laevis*).
 - Laser-capture microdissection (LCM) of fixed cell cultures and tissue sections.
 - Synthesis and application to live-imaging of fluorescently labelled RNA, fluorescent reporters and GFP/RFP tagged proteins.
 - Fluorescence Recovery After Photobleaching (FRAP).
 - Total internal reflection fluorescence (TIRF)
 - Fluorescence Resonance Energy Transfer (FRET)
 - Fluorescence in situ hybridization (FISH) on tissue sections and cell cultures.
 - Immunohistochemistry (IHC) on tissue sections.
 - Direct and indirect immunofluorescent (IF) staining on fixed cells.
 - Co-localization study from multi-colour images of IHC and IF samples.
 - Development of Molecular Beacon (MB) hybridization probes as a tool for small RNAs detection in living cells.

- Image analysis software**
- Development of customized scripts, automated or semi-automated routines for complex image analysis using ImageJ/FIJI, Icy, Ilastik, Knime, NIS-Elements, Leica Application Suite X (LasX), MetaMorph, Inkscape, Adobe Illustrator and Photoshop.

 TECHNICAL SKILLS

- Molecular Biology**
- Good experience in DNA and RNA isolation from tissues and cells, PCR, RT-PCR and qPCR techniques, RNA *in vitro* transcription, vector design (primer design, enzymatic digestions, ligations, cloning), site-directed mutagenesis, agarose and polyacrylamide gel electrophoresis, pulsed-field gel electrophoresis (for the analysis of catenation between molecules of DNA), protein immunoprecipitation, protein extraction and Western blot analysis, Southern blot analysis, *in vitro* kinase assays.

- Cellular Biology**
- *E. coli* (cell cultures and transformation).
 - *S. cerevisiae* (live-cell imaging, cell cycle analysis, genetic manipulation, cell cultures and transformation, mating and strain selection).

- Animal Manipulation**
- Xenopus laevis* (live-animal imaging, *in vivo* electroporation of embryos’ brains and eyes, fine microdissection of developing eye buds and brains, tissue cultures, embryos fixation and embedding for frozen cryostat sectioning, care and staging of embryos).

PERSONAL SKILLS

Mother tongue Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Very good	Very good	Fluent	Fluent	Very good

Communication skills Very good interpersonal and communication skills gained through international meeting attendance and thanks to many years of daily interaction with European and extra-European lab mates and colleagues.

Organisational / Planning skills I've been directly involved in the organization of public events like workshops, scientific meetings and conferences.

Lab Manager skills Management of lab's inventory of both commercial and lab made products as well as organization of enzymes, plasmids and E. coli stocks' database in both Dr Visintin and Dr Baudet lab. Responsible to keep contact with companies, negotiate prices and placing of orders in Dr Baudet lab and now as Facility Manager.

ADDITIONAL INFORMATION

Publications Corradi E, **Roccuozzo M**, Dalla Costa I, Gavoci A, Iyer A, Otto TA, Oliani E, Strohbuecker S, Bridi S, Santos-Rodriguez G, Valdembri D, Serini G, Abreu-Goodger C and Baudet ML. "Axonal precursor miRNAs hitchhike on endosomes and locally regulate the development of neural circuits". In press, *EMBO J*.

Cutarelli A, Ghio S, Zasso J, Speccher A, Scarduelli G, **Roccuozzo M**, Crivellari M, Maria Pugno N, Casarosa S, Boscardin M, Conti L. "Vertically-Aligned Functionalized Silicon Micropillars for 3D Culture of Human Pluripotent Stem Cell-Derived Cortical Progenitors." *Cells* 2019 Dec 30.

Bellon A, Iyer A, Bridi S, Lee FC, Ovando-Vázquez C, Corradi E, Longhi S, **Roccuozzo M**, Strohbuecker S, Naik S, Sarkies P, Miska E, Abreu-Goodger C, Holt CE, Baudet ML. "miR-182 Regulates Slit2-Mediated Axon Guidance by Modulating the Local Translation of a Specific mRNA". *Cell Reports* 2017 Jan 31.

Roccuozzo M, Visintin C, Tili F, Visintin R. "FEAR-mediated activation of Cdc14 is the limiting step for spindle elongation and anaphase progression". *Nature Cell Biology* 2015 Mar.

Workshop and Courses 15 – 22 September 2019: "Erasmus +" Advanced Optical Microscopy CCiTUB/IBMB-CSIC, Universitat de Barcelona. Barcelona, Spain.

25 – 29 June 2018: "X computer optimized microscopy course CCiTUB/IBMB-CSIC". Universitat de Barcelona. Barcelona, Spain.

22 – 23 March 2018: "Advanced bioimage analysis workshop". Universitat Freiburg. Freiburg im Breisgau, Germany.

- Scientific conferences**
- 11 – 13 September 2019: "MFS 2019 meeting - Microscopy at the frontiers of Science". Granada
- 05 – 08 February 2019: "3rd NEUBIAS - the bioimage analysis community conference". Luxemburg.
- 12 – 14 October 2016: "Scuola di Microscopia". Istituto Ortopedico Rizzoli (IOR), Bologna – Italy.
- 14 – 19 June 2015: International Conference on "The Long and the Short of Non- Coding RNAs". Chania, Crete, Greece.
- 23 – 26 April 2015: International Society Extracellular Vesicles (ISEV) 2015 annual meeting. Washington DC – United States.
- Roccuozzo M**: "Regulation of anaphase progression by the Cdc14 phosphatase and Cdc5 kinase". 6 February 2013: London Cell Cycle Club meeting at University College London. *Invited speaker*.
- Roccuozzo M**, Visintin C and Visintin R: "Regulation of spindle elongation by the Cdc14 phosphatase and the Cdc5 kinase ensure anaphase onset". 15 – 20 July 2012: FASEB Science Research Conference "Yeast Chromosome Structure, Replication & Segregation". Steamboat Springs, Colorado – United States. *Poster*.
- Roccuozzo M**: "The Cdc14 phosphatase and the Cdc5 kinase ensure anaphase progression". 06 – 08 June 2012: 6th International PhD student cancer conference. Amsterdam – Netherlands. *Invited speaker*.
- Roccuozzo M** and Visintin R: "There is more to anaphase than cohesin cleavage". 20 – 22 October 2011: ABCD/SIBBM "National Ph.D. Meeting". Gubbio (PG) – Italy. *Poster*.
- Roccuozzo M** and Visintin R: "The Cdc14 phosphatase and Cdc5 kinase ensure anaphase onset". 2 – 5 September 2011: 15th EMBO workshop "Exploring the logic of the cell cycle". Montpellier – France. *Poster and Travel Grant awarded*.

REFEREES

- Prof. Alessandro Quattrone** Director of the Department of Cellular, Computational and Integrative Biology (DepCIBIO) at the University of Trento. Trento, Italy.
alessandro.quattrone@unitn.it
- Prof. Marie-Laure Baudet** Principal Investigator of the Department of Cellular, Computational and Integrative Biology (CIBIO) at the University of Trento. Trento, Italy.
marie-laure.baudet@unitn.it
- Dr. Visintin Rosella** Principal Investigator at the European Institute of Oncology (IEO) – Milan, Italy.
rosella.visintin@ieo.eu
- Prof. Peter De Wulf** Principal Investigator of the Department of Cellular, Computational and Integrative Biology (CIBIO) at the University of Trento. Trento, Italy.
peter.dewulf@unitn.it

PERSONAL INFORMATION

Cristina Del Bianco

WORK EXPERIENCE

09/12/2015–ad oggi

PTA a tempo indeterminato
 CIBIO, Università di Trento, Trento (Italy)
 Protein Technology Facility Manager

04/05/2009–06/12/2015

Assegnista di ricerca
 CIBIO, Università di Trento, Trento (Italy)
 Supervisor Alessandro Quattrone

01/04//2005–31/03/2008

Postdoctoral fellow
 HFSP Postdoctoral fellow, Harvard Medical School and Brigham and Women Hospital, Boston (USA)
 Supervisor Stephen Blacklow.

EDUCATION AND TRAINING

31/01/2005

Ph.D. in Structural Biology
 Università di Firenze, Firenze (Italy)
 International PhD in Structural Biology, conferito da Università di Firenze, University of Frankfurt and University of Utrecht. Tesi: Conformational Dynamics of Metalloproteins and their Functional Implications.
 Relatore: Prof. Claudio Luchinat

18/05/2001

Laurea in Chimica
 Università La Sapienza, Roma (Italy)
 Tesi: Sintesi di oligonucleotidi modificati con gruppi chelanti e loro applicazioni.
 Relatori: Dott. Luciano Cellai e Prof. Mario Brufani
 Voto: 110/110

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Esperienza di insegnamento

Affidamento con titolarità:

Biologia Sintetica, corso di laurea in scienze e tecnologie biomolecolari AA 2016-2015, 2014-2015, 2013-2014,

Biochimica, University of Colorado, Denver, CHEM 3810, AA 2007-2008, AA 2008-2009.

Chimica Organica, University of Colorado, Denver, CHEM 3411, AA 2008-2009.

Chimica Generale, CHE 1800, Metropolitan State College, Denver, Colorado, AA 2008-2009

Principi di Chimica, CHE 1100, Metropolitan State College, Denver, Colorado, AA 2008-2009.

Publications

Articoli Pubblicati/Peer-reviewed Publications

1) Fabio Digiacomo, Gabriele Girelli, Bruno Aor, Caterina Marchioretti, Michele Pedrotti, Thomas Perli, Emil Tonon, Viola Valentini, Damiano Avi, Giovanna Ferrentino, Andrea Dorigato, Paola Torre, Olivier Jousson, Sheref S Mansy, Cristina Del Bianco* (2014), Ethylene-producing bacteria that ripen fruit. *ACS Synthetic Biology* 3, 935-8.

2) Roberta Lentini, Silvia Perez Santero, Fabio Chizzolini, Dario Cecchi, Jason Fontana, Marta Marchioretto, Cristina Del Bianco, Jessica L Terrell, Amy C Spencer, Laura Martini, Michele Forlin, Michael Assfalg, Mauro Dalla Serra, William E Bentley, Sheref S Mansy (2014) Integrating artificial with natural cells to translate chemical messages that direct *E. coli* behavior. *Nature Communications* 5, 4012.

3) Roberta Lentini, Michele Forlin, Laura Martini, Cristina Del Bianco, Amy C. Spencer, Domenica Torino, Sheref S. Mansy (2013) Fluorescent proteins and in vitro genetic organization for cell-free synthetic biology. *ACS Synthetic Biology* 2, 482-9.

4) Cristina Del Bianco, Sheref S. Mansy (2012) Nonreplicating Protocells. *Accounts of Chemical Research* 45, 2125-30.

5) Domenica Torino, Cristina Del Bianco, Lindsey A. Ross, Jennifer L. Ong, Sheref S. Mansy (2011). Intravesicle isothermal DNA replication. *BMC Research Notes* 4, ISSN: 1756-0500, doi: 10.1186/1756-0500-4-128

6) Cristina Del Bianco*, Anastasia Vedenko, Sung H Choi, Mike F. Berger, Leyla Shokr, Martha L. Bulyk, Stephen C. Blacklow (2010) Notch and MAML-1 Complexation Do Not Detectably Alter the DNA Binding Specificity of the Transcription Factor CSL. *PLoS One* 5, e15034.

7) Raymond E. Moellering, Melanie Comejo, Cristina Del Bianco, Michael Hancock, Jon C. Aster, Stephen C. Blacklow, D. Gary Gilliland, Gregory L. Verdine, and James E. Bradner (2009) Direct Inhibition of the Notch Transcription Factor Complex. *Nature* 462, 182-8.

8) Cristina Del Bianco*, Jon Aster and Stephen C. Blacklow (2008) Mutational and energetic studies of Notch1 transcription complexes. *J Mol Biol* 376, 131-40.

9) Terry C. Fang, Yumi Yashiro-Ohtani, Cristina Del Bianco, Dawson M. Knoblock, Stephen C. Blacklow, and Warren S. Pear (2007) Notch directly regulates *Gata3* expression during T helper 2 cell differentiation. *Immunity* 27, 100-110.

10) Benedikt Dolderer, Hartmut Echner, Alexander Beck, Hans-Jürgen Hartmann, Ulrich Weser, Claudio Luchinat and Cristina Del Bianco (2007) Coordination of three and four Cu(I) to the alpha- and beta-domain of vertebrate Zn-metallothionein-1, respectively, induces significant structural changes. *FEBS J* 274, 2349-2362.

11) Andrew P. Weng, John M. Millholland, Yumi Yashiro-Ohtani, Marie Laure Arcangeli, Arthur Lau, Carol Wai, Cristina Del Bianco, Carlos G. Rodriguez, Hong Sai, John Tobias, Yueming Li, Michael S.

Wolfe, Cathy Shachaf, Dean Felsher, Stephen C. Blacklow, Warren S. Pear, and Jon C. Aster (2006) *c-Myc* is an important direct target of Notch1 in T-cell acute lymphoblastic leukemia/lymphoma. *Genes Dev* 20, 2096-2109.

12) Vito Calderone, Benedikt Dolderer, Hans-Juergen Hartmann, Hartmut Echner, Claudio Luchinat, Cristina Del Bianco, Stefano Mangani, and Ulrich Weser (2005) The crystal structure of Yeast Copper Thionein: The solution of a long lasting enigma. *Proc Natl Acad Sci USA* 102, 51-56

13) Elena Babini, Ivano Bertini, Francesco Capozzi, Cristina Del Bianco*, Dominik Hollender, Tamas Kiss, Claudio Luchinat, Alessandro Quattrone (2004) Solution structure of human b-parvalbumin and structural comparison with its paralog a- parvalbumin and with their rat orthologs. *Biochemistry* 43,16076-16085.

14) Cesare Giordano, Cristina Del Bianco*, Sara Faini, Anna Napoli, Giovanni Sindona, and Luciano Cellai (2004) Synthesis of Metal-Chelating Deoxycytidine-Analogue Phosphoramidites for the Automatic Synthesis of Labeled Oligonucleotides. *Synthesis* 11, 1835–1843.

15) Sourajit M. Mustafi, Sulakshana Mukherjee, Kandala V. R. Chary, Cristina Del Bianco, and Claudio Luchinat (2004) Energetics and Mechanism of Ca^{2+} displacement by lanthanides in a calcium binding protein. *Biochemistry* 43, 9320-9331.

16) Ifan Baig, Ivano Bertini, Cristina Del Bianco*, Yogesh K. Gupta, Yong Min Lee, Claudio Luchinat, and Alessandro Quattrone (2004) Paramagnetism-Based Refinement Strategy for the Solution Structure of Human α -Parvalbumin. *Biochemistry* 43, 5562-5573.

17) Ivano Bertini, Cristina Del Bianco, Iannis Gelis, Nikolaos Katsaros, Claudio Luchinat, Giacomo Parigi, Massimiliano Peana, Alessandro Provenzani, and Maria Antonietta Zoroddu (2004) Experimentally Exploring the Conformational Space Sampled by Domain Reorientation in Calmodulin. *Proc Natl Acad Sci USA* 101, 6841-6846.

18) Ivano Bertini, J. A. Cowan, Cristina Del Bianco*, Claudio Luchinat, and Sheref S. Mansy (2003) *Thermotoga maritima* IscU. Structural Characterization and Dynamics of a New Class of Metallochaperone. *J Mol Biol* 331, 907-924.

19) Claudio Luchinat, Cristina Del Bianco*, Benedikt Dolderer, Hartmut Echner, Hans-Juergen Hartmann, W. Voelter, and Ulrich Weser (2003) The $Cu(I)_7$ Cluster in Yeast Copper Thionein Survives Major Shortening of the Polypeptide Backbone as Deduced from Electronic Absorption, Circular Dichroism, Luminescence and 1H -NMR. *J Biol Inorg Chem* 8, 353-359.

Articoli didattici/Educational Papers

20) Cristina Del Bianco*, Domenica Torino, Sheref S Mansy, (2014) Vesicle Stability and Dynamics: An Undergraduate Biochemistry Laboratory. *Journal of Chemical Education* 91, 1228-1231.

21) Cristina Del Bianco* (2010) Building a cell map as an active learning tool in a biochemistry course. *Journal of Chemical Education* 87, 790–792.

Capitoli di libro/Book Chapters

22) Cristina Del Bianco & Sheref S. Mansy (2010) Minimal Genomes and Minimal Cells. in *Biologia sintetica*, p. 267-284. Ed. Gruppo Nazionale di Bioingegneria. Patron Editore.

23) Sheref S. Mansy & Cristina Del Bianco (2010) *Heterotrophic Model Protocells*. In: J. Seckbach. *Genesis - In The Beginning: Precursors of Life, Chemical Models and Early Biological Evolution*. p. 709-722, Ed. Springer.

Honours and awards

Human Frontier Science Program Long-Term Fellowship, 1 Aprile 2005 - 31 Marzo 2008. Numero di fellowship: LT00390/2005-L. Titolo della fellowship "Biochemical Studies on the transcriptional ternary complex involved in notch signaling." Durata 3 anni.

American Heart Association, 1 Aprile 2005, declined

International Ph.D. Structural Biology Fellowship, CERM, Università di Firenze, 01-da 01-01-2002 al 28-02-2003 (vincitrice di borsa di 3 anni, rinuncia in data 28-02-2003 in seguito a vincita di assegno di ricerca).

International Undergraduate Exchange Program Grant, Università di Roma La Sapienza, dal 14 Febbraio 2001 al 15 Aprile 2001.

Le informazioni ivi contenute vengono rese ai sensi e per gli effetti degli art. 46 e 47 del DPR 445/2000.

Trento, 12-04-2020

