

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Metello

Surname: Innocenti

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Languages: Italian (mother tongue), English (C2), French (B2), German (B1)

EDUCATION AND TRAINING

Dec. 12 - Jan. 13: Laboratory Animal Science course (Utrecht University, NL)

Dec. 03 - Sept. 05: AIRC Senior post-doctoral fellow (FIRC Institute of Molecular Oncology, IT)

Nov. 99 - Nov. 03: EIO post-doctoral fellow (European Institute of Oncology, IT)

Oct. 96 - Nov. 99: Ph.D. studentship (University of Milan, IT)

Feb. 96 - Sept. 96: Graduate training fellow (University of Milan, IT)

Nov. 90 - Nov. 95: BSc/MSc in Molecular and Cellular Biology, University of Milan (Milan, IT)

QUALIFICATIONS

Dec. 20: National scientific qualification to function as associate professor in Italy (05/E2 Molecular Biology)

Dec. 20: National scientific qualification to function as associate professor in Italy (05/F1 Applied Biology)

Jan. 13: Laboratory Animal Science Certificate (European Directive 2010/63/EU) - Dutch Art. 9-certified researcher (Utrecht University, NL)

Jan. 00: PhD in Molecular and Cellular Biology (University of Milan, IT)

Jan. 96: BSc/MSc in Molecular and Cellular Biology (University of Milan, IT)

POSITIONS

Nov. 22 - present: Ass. Prof., Department of Biotechnology and Biosciences (University Milano-Bicocca, IT)

Oct. 19 - Oct. 22: Visiting scientist (Heidelberg University Biochemistry Center, DE), reviews editor of *FEBS Letters*

May 09 - Dec. 17: Tenured Group Leader (The Netherlands Cancer Institute, NL)

Oct. 05 - Apr. 09: Independent Research Group Leader (Goethe University Frankfurt, DE)

TEACHING EXPERIENCE AND OTHER ACADEMIC ACTIVITIES

Teaching experience: Guest Lecturer in Molecular Cell Biology at the University of Leiden (2014 - 2017), Lecturer in Biochemistry at the Frankfurt Medical School (2006 - 2009), and Guest Lecturer in Molecular Oncology at the European School of Molecular Medicine (2003 - 2005).

Supervision of Doctoral and Diploma candidates: Supervisor and (co-)promotor of seven PhD students, six Master students, and three undergraduate students. Supervisor of three post-doctoral fellows.

Science publishing activities: Member of the Editorial Board of *Scientific Reports* (since 2016), member of the Topics Board of *International Journal of Molecular Science* (since 2020), reviews editor of *FEBS Letters* (2019 - 2022), member of the Editorial Board of *Chinese Journal of Biology* (2014 - 2016), Guest Editor for a Special Issue on "Pathophysiology of Formin Proteins: From Single Molecules to Model Organisms and Human Diseases" (*International Journal of Molecular Science*, 2023).

Peer-reviewing activities: Reviewer for *Nature Communications*, *Science Signaling*, *The EMBO Journal*, *Journal of Cell Biology*, *Journal of Cell Science*, *Journal of Biological Chemistry*, *Cellular and Molecular Life Sciences*, *Molecular and Cellular Biology*, *Molecular Biology of the Cell*, *Scientific Reports*, *Experimental Cell Research*, *Journal of Neuroscience*, *International Journal of Cell Biology*, *Eukaryotic cell*, *Cells*, *FEBS Letters*, *PLOS Biology*, *PLOS One*, *Oncogene*, *Carcinogenesis*, *Biomaterials*, *Review Commons*, *Biosciences*, *Cells*, *Frontiers Oncology*, etc..

Grant reviewer for the Wellcome Trust Foundation, Human Frontier Science Program Organization, Deutsche Forschungsgemeinschaft (DFG), Wilhelm Sander-Stiftung, Association for International Cancer

Research (AICR UK), Italian Association for Cancer Research (AIRC), Austrian Science Fund (FWF), Dutch Cancer Society (KWF), and Natural Sciences and Engineering Research Council of Canada (NSERC).

Programme committees: PhD steering committee member at the Netherlands Cancer Institute (2010 - 2017), PhD committee member at the Free University Amsterdam (2016 - 2017), the Leiden University (2014 - 2016), and the Goethe University (2009 - 2010). Validated expert at the European Commission/Research and Innovation (Horizon 2020) (Expert ID: EX2017D314225).

Membership in scientific societies: Member of the Dutch Society for Cell Biology (2009 - 2017), member of the Cancer Genomics Centre NL (2010 - 2015), member of the Cluster of excellence Frankfurt Macromolecular Complexes (2008 - 2009), member of the Centre for Membrane Proteomics (CMP) Frankfurt (2006 - 2009), member of the German Society for Cell Biology (2006 - 2008), member of the Italian Association for Cellular and Developmental Biology (2000 - 2005).

HONORS AND AWARDS

- 2012, Selected as ERC Consolidator Grant awardee (below financial cutoff).
- 2010, Selected as Cancer Genomics Centre NL Investigator.
- 2008, Selected as Cluster of excellence Frankfurt Macromolecular Complexes Adjunct Investigator.
- 2006, Elected as member of the Centre for Membrane Proteomics Frankfurt.
- 2003, Senior post-doctoral fellowship from the Italian Association for Cancer Research.
- 1999, Post-doctoral fellowship from the European Oncology Foundation.
- 1996, PhD studentship from the Italian Ministry of Research and Education.

SELECTED INVITED SEMINARS AND TALKS

EMBO/FEBS Workshop on Frontiers in Cytoskeleton Research, Gosau (Austria), 2003: “*Abi1 is an essential component of a WAVE2-signaling complex mediating Rac-dependent actin remodeling*”.

Universita' dell'Insubria, Busto Arsizio (Italy), 2004: “*Abi1 regulates different Arp2/3 complex-based processes*”.

Universita' degli Studi di Milano, Milan (Italy), 2004: “*Abi1 regulates different Arp2/3 complex-based processes*”.

San Raffaele Scientific Institute, Milan (Italy), 2004: “*Abi1 coordinates different Arp2/3 complex-based processes*”.

Friedrich Schiller University Jena, Jena (Germany), 2004: “*Regulation of Arp2/3 complex activity in cell migration and endocytosis*”.

University of Münster, Münster (Germany), 2004: “*Regulation of Arp2/3 complex activity in cell migration and endocytosis*”.

Goethe University Frankfurt, Frankfurt (Germany), 2005: “*Regulation of Arp2/3 complex activity in cell migration and endocytosis*”.

EMBO Workshop on Signals and Mechanics in Directed Cell Migration, Heidelberg (Germany), 2006: “*The relative levels of Arp2/3 and Drf3 nucleation activity determine the lamellipodial-filopodial selection*”.

The 7th SACR-ECF meeting, “**The cytoskeleton: regulation and motility**”, Stockholm (Sweden), 2008: “*WAVE and Arp2/3 jointly inhibit filopodium formation by entering into a complex with mDia2*”.

The Netherlands Cancer Institute, Amsterdam (The Netherlands), 2008: “*Actin dynamics in control of cell migration and endocytosis*”.

Ghent University, Ghent (Belgium), 2009: “*Actin dynamics in control of cell migration and endocytosis*”.

ESF-EMBO Symposium Emergent Properties of the Cytoskeleton: Molecules to Cells, San Feliu (Spain), 2010: “*Role of mDia2 in filopodium formation as revealed by biochemistry*”.

Institut Curie, Paris (France), 2010: “*Regulation of actin dynamics during clathrin-mediated endocytosis*”.

CGC-CBG International meeting 2010 “Molecular mechanisms in cancer”, Amsterdam (The Netherlands), 2010: “*Role of mDia2 in filopodium formation as revealed by biochemistry*”.

University of Münster, Münster (Germany), 2011: “*Role of the N-WASP-CK2 complex in clathrin-mediated endocytosis*”.

Philipps University of Marburg, Marburg (Germany), 2011: “*Role of the N-WASP-CK2 complex in clathrin-mediated endocytosis*”.

Utrecht University, Utrecht (The Netherlands), 2012: “*Interaction maps uncovers new conformation-specific functions for mDia2*”.

CGC International Meeting 2012, Rotterdam (The Netherlands), 2012: “*Interaction maps uncovers new conformation-specific functions for mDia2*”.

AMOLF, Amsterdam (The Netherlands), 2014: *“Cooperation between mDia1 and Arp2/3 complex controls membrane ruffling and cell migration”*.

EMBO workshop on A Systems-Level View of Cytoskeletal Function, Stockholm (Sweden), 2014: *“Cooperation between mDia1 and Arp2/3 complex controls membrane ruffling and cell migration”*.

Technical University Delft, Delft (The Netherlands), 2015: *“Cooperation between mDia1 and Arp2/3 complex controls membrane ruffling and cell migration”*.

Telethon Institute of Genetics and Medicine (TIGEM), Naples (Italy), 2015: *“Actin nucleators: from cell morphogenesis to disease”*.

Università degli Studi di Milano, Milan (Italy), 2015: *“Actin in control of cell migration and endocytosis”*.

European Cytoskeletal Forum - Cell Adhesion and Migration, Cambridge (United Kingdom), 2016: *“Knockout of the Arp2/3 complex in skin epidermis alters Nrf2 activity and causes psoriasis”*.

Building the Cell 2016, Paris (France), 2016: *“Knockout of the Arp2/3 complex in skin epidermis alters Nrf2 activity and causes a psoriasis-like disease”*.

Leiden University Medical Centre, (The Netherlands), 2016: *“Actin nucleators in control of cell migration and endocytosis”*.

Institute for Integrative Biology of the Cell (I2BC), Gif-sur-Yvette (France), 2016: *“Arp2/3 and formins in health and disease”*.

Institut Curie, Paris (France), 2017: *“Multiscale analysis of the Arp2/3 complex and formins in health and disease”*.

Gustave Roussy, Paris (France), 2017: *“Multiscale analysis of the Arp2/3 complex and formins: from basic biology to breast cancer metastasis”*.

Hubrecht Organoid Technology Centre (HUB), Utrecht (The Netherlands), 2017: *“Multiscale analysis of the Arp2/3 complex and formins in health and disease”*.

IRCCS Ospedale San Raffaele (HSR), Milan (Italy), 2021: *“Multiscale analysis of actin-based processes in health and disease”*.

Università Milano Bicocca, Milan (Italy), 2022: *“Multiscale analysis of the Arp2/3 complex and formins: from basic biology to cancer and back”*.

PEER-REVIEWED PUBLICATIONS

As of February 2023, 32 peer-reviewed publications. For an updated list see [Google Scholar](https://scholar.google.com/citations?user=...).

OTHER PUBLICATIONS

Profilin-1 binding couples CLIC4 to RhoA-mDia2 signaling and filopodium formation.

Argenzio E, Kedziora KM, Nahidiazar L, Isogai T, Jalink K, Moolenaar WH, **Innocenti M**.

Biorxiv 2017 (doi:<https://doi.org/10.1101/259259>).

Tips and tricks for artifact-free PFA-based fixation of the actin cytoskeleton and its regulatory proteins for single molecule localization super-resolution microscopy.

Leyton-Puig D, Isogai T, Argenzio E, van der Broek B, Klarenbeek J, Janssen H, Jalink K, **Innocenti M**.

Nature Protocol Exchange (2016), doi:10.1038/protex.2016.042.