

# Francesca Milanesi

## Summary

---

*An experienced Lab Manager with a Ph.D. in Molecular Medicine and extensive experience in academic research, along with administrative and managerial skills. Fluent in English, able to oversee, evaluate, and keep records of both scientific and administrative documents in close collaboration with people from different institutions and backgrounds.*

---

## Highlights

- 
- |                                       |                                    |
|---------------------------------------|------------------------------------|
| - Problem solving and troubleshooting | - Communication skills             |
| - Organizational skills               | - Scientific knowledge             |
| - Project management                  | - Operational process optimization |
| - Scheduling and time management      | - Accurate and precise             |
- 

## Experience

February 2022 - onwards

Laboratory manager, Fondazione Human Technopole, Structural Biology Research Centre.

- Organization and supervision of day-to-day laboratory activities.
- Creation and management of laboratory documentation including SOPs and safety procedures.
- Maintaining and reviewing purchasing, shipping, and receiving records.
- Scheduling and managing of equipment repairs and maintenance.
- Laboratory Induction for newcomers.

December 2013 – February 2022

Laboratory manager, Istituto Italiano di Tecnologia, CGS of IIT@SEMM, Milano

- Prepare and manage the yearly laboratory budget in collaboration with the administrative and project offices.
- Training of new employees on safety protocols and standard operating procedures.
- Responsibility for equipment control and maintenance.
- Management of special waste disposal operations.

March 2011 – December 2013

Support technician, Screening Unit, CGS of IIT@SEMM, Milano

- Design and implementation of cellular assays for siRNAs and small molecules high-throughput screening with luminescence-based readout.
- Optimization of high-throughput cells transfection and growth conditions in high-density format for screening campaigns.
- Support the Unit with the handling of robotic devices.
- Technical support for the laboratory management.

January 2011 – March 2011

Post Doc, IFOM, Cellular Migration Unit, Milano

- Development of liposomal biochemical assays to study the role of Eps8 and IRSp53 proteins in filopodia formation and cellular membrane deformation.

## Education and training

---

January 2007 – March 2011

PhD in Molecular Medicine, SEMM, Università degli Studi di Milano

- Structural and biochemical characterization of the mechanisms of action of Eps8 as an actin barbed end capping protein. Supervised by: Dr. Giorgio Scita

September 2004 – November 2006

Second Level degree in Industrial Biotechnology, Università degli studi di Milano – Bicocca

- Final grade 110/110 cum laude

September 2001 – September 2004

Bachelor degree in Biotechnology, Università Milano – Bicocca

- Final grade 110/110 cum laude

## Additional skills

---

- Basic knowledge of SAP
- Fluent in English, academic French

## Publications

---

- [CDC42 switches IRSp53 from inhibition of actin growth to elongation by clustering of VASP.](#)  
Disanza A, Bisi S, Winterhoff M, **Milanesi F**, Ushakov DS, Kast D, Marighetti P, Romet-Lemonne G, Müller HM, Nickel W, Linkner J, Waterschoot D, Ampè C, Cortellino S, Palamidessi A, Dominguez R, Carlier MF, Faix J, Scita G. EMBO J. 2013 Oct 16;32(20):2735-50. doi: 10.1038/emboj.2013.208. Epub 2013 Sep 27.
- [Functional analysis and consequences of Mdm2 E3 ligase inhibition in human tumor cells.](#)  
Wade M, Li YC, Matani AS, Braun SM, **Milanesi F**, Rodewald LW, Wahl GM. Oncogene. 2012 Nov 8;31(45):4789-97. doi: 10.1038/onc.2011.625. Epub 2012 Jan 23.
- [The Eps8/IRSp53/VASP network differentially controls actin capping and bundling in filopodia formation.](#)  
Vaggi F, Disanza A, **Milanesi F**, Di Fiore PP, Menna E, Matteoli M, Gov NS, Scita G, Ciliberto A. PLoS Comput Biol. 2011 Jul;7(7):e1002088. doi: 10.1371/journal.pcbi.1002088. Epub 2011 Jul 21.
- [Molecular basis for the dual function of Eps8 on actin dynamics: bundling and capping.](#)  
Hertzog M, **Milanesi F**, Hazelwood L, Disanza A, Liu H, Perlade E, Malabarba MG, Pasqualato S, Maiolica A, Confalonieri S, Le Clainche C, Offenhauser N, Block J, Rottner K, Di Fiore PP, Carlier MF, Volkmann N, Hanein D, Scita G. PLoS Biol. 2010 Jun 1;8(6):e1000387. doi: 10.1371/journal.pbio.1000387.

- [Regulation of cell shape by Cdc42 is mediated by the synergic actin-bundling activity of the Eps8-IRSp53 complex.](#)  
Disanza A, Mantoani S, Hertzog M, Gerboth S, Frittoli E, Steffen A, Berhoerster K, Kreienkamp HJ, **Milanesi F**, Di Fiore PP, Ciliberto A, Stradal TE, Scita G.  
Nat Cell Biol. 2006 Dec;8(12):1337-47. Epub 2006 Nov 19.

I hereby grant permission for the use of my personal data in accordance with the Italian Leg.  
Dec. 196/2003

Milan, December 2024

Francesca Milanesi

---