

PERSONAL INFORMATION

Francesca Finetti



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WORK EXPERIENCE

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| Since 2021 | Associate professor, Department of Life Sciences, University of Siena |
| 2018-2021 | Assistant professor, Department of Life Sciences, University of Siena |
| 2010-2018 | Post-doctoral researcher, Department of Life Sciences, University of Siena (Expression and function of intraflagellar transport [IFT] proteins in immune cells; characterization of IFT20 as a new regulator of immune synapse assembly in T cells; characterization of p66Shc in B cells) |
| 2008-2009 | Post-doctoral FIRC fellowship, Department of Evolutionary Biology, University of Siena (Molecular and functional characterization of p66Shc protein in T cells) |

Research activities My research has been focused over the past years on functional dissection of signal transduction and vesicular traffic pathways in lymphocyte activation and apoptosis and dysregulation of these processes un lymphoproliferative, immunodeficiency, neuroinflammatory and pathogen-related diseases. I provided the first evidence of a role of intraflagellar transport proteins in nonciliated cells, opening a completely unexplored area in this rapidly expanding field of research and unraveled the complex pathway orchestrated by the intraflagellar transport system to assemble the immunological synapse (Finetti *et al.* Nat Cell Biol, 2009).

EDUCATION AND TRAINING

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| 2018 | Advanced Fluorescence Microscopy and Spectroscopy, Siena, Italy |
| 2018 | International school on nanoscale optical microscopy, Venice, Italy. |
| 2009 | EMBO Practical Course on “Current methods in cell Biology” (live cell imaging methods e modelling), Heidelberg, Germany. |
| 2008 | PhD in Evolutionary Biology, Dept. Evolutionary Biology, University of Siena |
| 2005 | Master in Evolutionary Biology, Dept. Evolutionary Biology, University of Siena |
| 2004 | Master degree in Molecular Biology with honors, University of Siena, Italy |

PERSONAL SKILLS

Peer reviewing and memberships:

Member of editorial board of *Frontiers in Cell and Developmental Biology*
Guest Associate Editor of *Frontiers in Cell and Developmental Biology* for the Research Topic “Dissecting the Intraflagellar Transport System in Physiology and Disease: Cilia-related and -unrelated Roles”.
Guest editor of *IJMS* (International Journal of Molecular Science) for the special issue “The Endosomal- Lysosomal System: A Dynamic Network of Molecular and Cellular Pathways”.
Associate Faculty Member F1000Prime (Immunology).
Ad hoc reviewer for peer reviewed journals, including *Scientific Reports*, *Science Advances*, *European Journal of Immunology*, *Journal of Cell Science*, *Pharmacological Research*, *Frontiers in Cell and Developmental Biology*, *Frontiers in Immunology* and *Biochimica et Biophysica Acta-General Subjects*.

Member of “Società Italiana di Biofisica e Biologia Molecolare” (SIBBM), “Associazione di Biologia Cellulare e del Differenziamento” (ABCD) and “Società Italiana di Ottica e Fotonica” (SIOF).

Participation in and organization of conferences, workshops and meetings

2020 Organizer of the Workshop “Didattica attiva blended nell'Higher Education. Riflessioni in corso” and of the round table “I laboratori virtuali e lezioni a gesso”.
2005-present: participation to 20 national and international congress, 3 invited talks at scientific meetings.

Current competitive grant

2020-2026: ERC-2020-SyG grant, title: “Analysis of the T cell’s Tactical Arsenal for Cancer Killing”. PI: Jens Rettig, Cosima Baldari, Michael Dustin and Salvatore Valitutti. Role: Participant and supervisor of the research unit coordinated by Cosima Baldari.
2017-2022: AIRC Investigator Grant, title: “p66Shc in leukemic cell shaping of the tumour microenvironment in CLL: studies in a new mouse model and in human disease” (5 years). PI: Cosima Baldari. Role: Participant.

Technical skills and competences

Cell biology: cell cultures, immunoprecipitations, immunoblot, in vitro binding, cell fractionation, cell cycle analysis, flow cytometry. Immunology: purification of lymphocyte populations by immunomagnetic sorting, analysis of lymphocyte populations. Animal models: primary cultures of murine cells. Microscopy: laser scanning confocal microscopy in fixed samples and live imaging (study of intracellular trafficking, immunological synapse, autophagy and primary cilium) and optical microscopy. Molecular biology and microbiology: PCR and RT-PCR, DNA cloning, generation of recombinant proteins in E. coli, analysis of transcriptional regulation using reporter constructs (luciferase, GFP), transfections.