

Mirko Cortese

Personal information

Phone number	
Email	
Current Affiliation	Heidelberg University
Host Institution for ECF proposal	Telethon Institute of Genetics and Medicine (TIGEM)

Research interests

(please up to max 3 keywords to describe your main research interests)

- Molecular Virology
- Positive-strand RNA viruses
- Host-pathogen interactions

Education

Date	Degree and University
April 2013	<p><i>PhD in Cellular, Molecular and Industrial Biology</i> <i>University of Bologna Alma, Mater Studiorum, Bologna</i> Grade: N/A Thesis title: Characterization of human cytomegalovirus coded Fc binding proteins and their role in host-pathogen interactions Name of advisor: Dr. Marcello Merola</p>
Dec 2008	<p><i>Master Degree in Molecular and Industrial Biotechnology</i> <i>University of Naples Federico II, Naples</i> Grade: 110/110 cum laude (highest mark) Thesis title: Identification of protein complexes involved in <i>E. coli</i> gene expression through pull-down and mass spectrometric analysis Name of advisor: Prof. Angela Amoresano – Prof. Angela Duilio</p>
Oct 2006	<p><i>Bachelor Degree in Industrial and Molecular Biotechnology</i> <i>University of Naples Federico II, Naples</i> Grade: 110/110 cum laude (highest mark). Thesis title: Membrane proteome of <i>E. coli</i> by dansyl-MS³ labelling Name of advisor: Prof. Gennaro Marino</p>

Research Experience

(please list all relevant research experience in reverse chronological order. An example is provided below)

Date	Project Information
2013 – present	<p><i>Postdoctoral researcher at University of Heidelberg, Department of infectious Diseases, Molecular Virology Unit, Heidelberg, Germany</i> Research field: Molecular Virology – Host-pathogen interactions Name of advisor: Prof. Ralf Bartenschlager</p>

2010-2013	<i>Graduate student at Novartis Vaccines & Diagnostic Research Institute (now GSK), Molecular Microbiology Unit, Siena, Italy</i> Research field: Vaccinology and molecular virology Name of advisor: Dr. Marcello Merola
2009-2010	<i>Pre-graduate internship at Novartis Vaccines & Diagnostic Research Institute (now GSK), Molecular Microbiology Unit, Siena, Italy</i> Research field: Vaccinology and molecular virology Name of advisor: Dr. Domenico Maione
2006-2009	<i>Pre-graduate internship at the Department of Organic Chemistry and Biochemistry, University of Naples Federico II, Naples, Italy.</i> Research field: Mass spectrometry and microbiology Name of advisor: Prof. Angela Amoresano – Prof. Gennaro Marino

Scholarships, Funding Acquisition, and other Awards

- **Best Poster Award:** Viruses 2020 – Novel concepts in Virology - Barcelona, Spain, 2020
- **Patent:** CMV ANTIGENS AND USES THEREOF - publication number 20140348863 - Italy, 2014
- **Winner of a Ph.D. scholarship** sponsored by Novartis Vaccines and Diagnostics in cooperation with University of Bologna - Italy, 2010

Invited Contributions to Scientific Meetings

- **CONFERENCE:** Viruses 2020 – Novel concepts in Virology
 Poster presentation: Characterization of dengue virus non-structural protein 4A for its role in viral replication organelle biogenesis – *Barcelona, Spain, 2020*
- **INVITED LECTURE:** An integrated view of viral replication organelles – *ICGEM – Trieste, Italy, 2020*
- **INVITED LECTURE:** Flaviviruses replication organelles – *Heinrich-Pette-Institut – Hamburg, Germany, 2019*
- **CONFERENCE:** Positive Strand RNA Viruses – Keystone Symposia
 Poster presentation: Reciprocal effects of fibroblast growth factor receptor signaling on dengue virus replication and virion production - *Killarney, Ireland, 2019*

Other Information

- **2020 - Hochschul Didaktik Zentrum Course: Supervising the Doctorate.** Part of Module II of the Baden-Württemberg Certificate for Teaching and Learning at University Level
- **2020 - Hochschul Didaktik Zentrum Course: Fit for teaching 1+2 basics of teaching and learning at university level.** Part of Module I of the Baden-Württemberg Certificate for Teaching and Learning at University Level
- **2020 – present - Associate instructor.** Molecular Virology practical course. Master study program in “Infectious Diseases”. University of Heidelberg.
- **Periodic instructor:** Graduate student literature discussion course. Department of Molecular Virology, University of Heidelberg.
- **Lab training and co-supervision:** training and co-supervision of undergraduate students
- **2020 ASN (Abilitazione Scientifica Nazionale) - Academic Discipline BIO/11 – Molecular Biology**
- **Peer reviewer** – (<https://publons.com/researcher/3017848/mirko-cortese/peer-review/>)