

## Eva-Maria Frickel, PhD

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Institute of Microbiology and Infection, School of Biosciences,  
University of Birmingham, Birmingham, UK

<https://frickellab.com>

<https://hrman.org>

[e.frickel@bham.ac.uk](mailto:e.frickel@bham.ac.uk)

### **Research interest keywords**

Host-pathogen interaction, *Toxoplasma gondii*, *Salmonella typhimurium*, ubiquitin, guanylate binding proteins, host cell death pathways, gamma interferon, stem-cell derived macrophages, artificial intelligence-driven image analysis

### **Education and Research Experience**

Since 3/2020	<b>Reader</b> Institute of Microbiology and Infection, School of Biosciences University of Birmingham, Birmingham, UK
7/2011-2/2020	<b>Group Leader</b> Division of Parasitology MRC National Institute of Medical Research, London, UK Has changed to: The Francis Crick Institute
2/2011-6/2011	<b>Visiting Scientist</b> University of Georgia, Athens, Georgia, USA and Hospital San Martin, Provincia Buenos Aires, Argentina Supervisors: Prof. Rick Tarleton and Dr. Susana Laucella (Parasitology and Human Immunology)
11/2005-11/2010	<b>Postdoctoral Research Fellow</b> Whitehead Institute, USA Supervisor: Prof. Hidde Ploegh (Immunology, Parasitology and Cell Biology)
6/2004-5/2005	<b>Postdoctoral Research Associate</b> ETH Zurich, Switzerland Supervisor: Prof. Ari Helenius (Cell Biology)
10/2000-4/2004	<b>Ph.D. student</b> ETH Zurich, Switzerland Thesis Advisor: Prof. Ari Helenius (Biochemistry and Biophysics)
6/2000-9/2000	<b>Research assistant</b> University of Auckland, New Zealand Supervisor: Prof. Peter Metcalf (Protein Crystallography)
8/2000	<b>MSc in Chemistry/Biochemistry</b> Uppsala University, Sweden Thesis Advisor: Prof. Bengt Mannervik (Enzyme Kinetics)
7/1997	<b>BSc in Chemistry</b> Freiburg University, Germany

### **Honours and Funding History**

2020	Senior Research Fellowship, Wellcome Trust
2017	Boehringer Ingelheim Fellowship awarded to PhD student Daniel Fisch
2011-2016	Career Development Award, Wellcome Trust
2012	Boehringer Ingelheim Fellowship awarded to PhD student Clemence Foltz

- 2011 Travel grant from the Journal "Disease Models and Mechanisms"
- 2010 Wellcome Beit Prize Fellowship
- 2006 Postdoctoral Research Grant from the Human Frontiers Science Foundation
- 2006 EMBO postdoctoral long-term fellowship (declined)
- 2005 Postdoctoral Research Grant from the Swiss National Science Foundation
- 2004 Postdoctoral research grant from UBS
- 2004 Travel award from the ETH Zurich for the Calreticulin meeting in Zermatt, Switzerland
- 2003 Travel award from Keystone to attend the conference "Conformational Diseases of the Secretary Pathway" in Taos, NM, USA
- 2001-2004 Ph.D. studentship grant from the ETH Zurich (TH grant)

### **Teaching Experience**

#### ***London, UK***

- 2014-2020 Yearly 1.5h lecture on "Immunity to *Toxoplasma gondii*" for MSc students at The London School of Hygiene and Tropical Medicine
- 2016-2018 2h tutorial for the Infection and Immunology Graduate Program at the Laboratory for Molecular Cell Biology, University College London

#### ***Whitehead Institute/MIT, USA***

- 2007 Set-up and co-taught an Advanced undergraduate seminar ("Chronic Infection and Inflammation: What are the Consequences on Your Health?") for MIT Biology
- 2007-2010 Thesis Supervisor for three MSc students and one undergraduate trainee (9 and 6 months each, respectively)

#### ***ETH Zurich, Switzerland***

- 2004 Teaching Assistant, Advanced Biochemistry Course for third-year students
- 2001-2003 Teaching Assistant, Basic Biochemistry Lab Course for first-year students
- 2002 Responsible Leader for Enzyme Kinetics, Basic Biochemistry Lab Course
- 2000-2004 Thesis Supervisor for two MSc students and one technician trainee