The HFSP fellowship program funds innovative, ground-breaking projects that have the potential to advance knowledge in the applicants’ field of study or open a new approach to a research problem. High risk research is supported.

Long-term fellowships provide 3 years of support for applicants with a degree in the life science to obtain training in a new area of research in an outstanding laboratory of their choice in another country. Applicants are expected to broaden their horizon and to move into a new research field that is different from their doctoral studies or previous postdoctoral training.
<table>
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<tr>
<th>Name</th>
<th>Institution 1</th>
<th>Institution 2</th>
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<tr>
<td>AMEN Triana</td>
<td>Department of Experimental Neurodegeneration University Medical Center, Goettingen GERMANY</td>
<td>Pex ex machina: the cell biological mechanics of locally-controlled peroxisome biogenesis</td>
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<td>To Global Health Institute EPFL Lausanne SWITZERLAND</td>
<td>Supervisors: VAN DER GOOT Françoise Gisou and D’ANGELO Giovanni</td>
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<td>ANTON Leonie</td>
<td>Biozentrum University of Basel SWITZERLAND</td>
<td>Structural and functional characterization of Plasmodium falciparumrhoptries and its proteins</td>
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<td></td>
<td>To Microbiology and Immunology Columbia University New York USA</td>
<td>Supervisor: HO Chi-Min</td>
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<td>ATHUKORALAGE Januka</td>
<td>School of Biology University of St Andrews UK</td>
<td>Uncovering tripartite mobile genetic element-bacteria-human interactions with novel CRISPR-Cas tools</td>
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<td></td>
<td>To Department of Microbiology and Immunology University of California, San Francisco USA</td>
<td>Supervisor: BONDY-DENOMY Joseph</td>
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<td>AVELLANEDA SARRIO Mario</td>
<td>Department of Biophysics AMOLF Amsterdam THE NETHERLANDS</td>
<td>Bioelectric patrolling: the role of the local membrane potential in immune cell migration</td>
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<td></td>
<td>To Laboratory of Cell Biology and Immunology Institute of Science and Technology Austria, Klosterneuburg AUSTRIA</td>
<td>Supervisor: SIXT Michael</td>
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<tr>
<td>BAILLES Anaïs</td>
<td>Institut de Biologie du Développement de Marseille Aix-Marseille University FRANCE</td>
<td>Role of cell-to-cell variability in patterning and morphogenesis</td>
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<td>To Max Planck Institute of Molecular Cell Biology and Genetics Dresden GERMANY</td>
<td>Supervisor: TOMANCAK Pavel</td>
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<td>Bates Alexander</td>
<td>MRC Laboratory of Molecular Biology University of Cambridge, UK</td>
<td>Department of Neurobiology, Harvard University, Boston, USA</td>
<td>A Cartesian coordinate system for generating flexible internal goals</td>
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<td>Bernshtein Biana</td>
<td>Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, ISRAEL</td>
<td>Ragon Institute of MGH, MIT and Harvard, Cambridge, USA</td>
<td>Dissecting tissue specific antibody mediated immunity to Rotavirus infection</td>
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<td>Bolger-Munro Madison</td>
<td>Department of Microbiology and Immunology, University of British Columbia, Vancouver, CANADA</td>
<td>Institute of Science and Technology, Austria, Klosterneuburg, AUSTRIA</td>
<td>Dissecting the mechanisms underlying cytoplasmic reorganization and embryo patterning in ascidians</td>
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<td>Brunner Julia Stefanie</td>
<td>Institute for Vascular Biology, Medical University, Vienna, AUSTRIA</td>
<td>Cell Biology Program, Memorial Sloan Kettering Cancer Center, New York, USA</td>
<td>Identifying metabolic drivers of anti-tumor immunity</td>
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<td>Caccianini Laura</td>
<td>Physico-Chimie Institut Curie, Paris, FRANCE</td>
<td>Department of Biology, MIT, Boston, USA</td>
<td>Visualizing the cohesin-RNA Polymerase II interaction at nanometer resolution</td>
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<td>Supervisor: WILSON Rachel</td>
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<td>Supervisor: ALTER Galit</td>
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<td>Supervisor: HEISENBERG Carl-Philipp</td>
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<td>Supervisor: FINLEY Lydia</td>
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<tr>
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<td>DE MANUEL MONTERO</td>
<td>Universitat Pompeu Fabra</td>
<td>Department of Biological Sciences Columbia University</td>
<td>Estimating male mutation bias across vertebrates</td>
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<td>Marc</td>
<td>Barcelona SPAIN</td>
<td>New York USA</td>
<td>Supervisor: PRZEWORSKI Molly</td>
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<td>FAPO SANJUAN</td>
<td>Department of Physiology, Development and Neuroscience University of Cambridge UK</td>
<td>Department of Molecular and Cell Biology University of California Berkeley USA</td>
<td>Predicting enhancer function from sequence through in silico evolution and high-throughput screening</td>
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<td>Julia</td>
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<td>Supervisor: EISEN Michael</td>
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<td>GANAPATHY</td>
<td>Department of Imaging Physics Delft University of Technology THE NETHERLANDS</td>
<td>Department of Pediatrics, Cellular and Molecular Medicine University of California, San Diego USA</td>
<td>Investigating neurodevelopment in cortical organoids using voltage and neurotransmitter imaging</td>
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<td>Srividya</td>
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<td>Supervisor: MUOTRI Alysson</td>
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<td>USA/INDIA</td>
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<td>GRIFFITHS</td>
<td>Department of Medical Microbiology and Immunology University of Alberta Edmonton CANADA</td>
<td>Department of Biomedical Engineering University of Virginia Charlottesville USA</td>
<td>How host cell post-transcriptional regulatory adaptations impact chronic coxsackievirus B3 infection</td>
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<td>Cameron</td>
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<td>Supervisor: JANES Kevin</td>
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<td>HARRISON</td>
<td>Department of Biochemistry and Molecular Biology Monash University Clayton AUSTRALIA</td>
<td>Centre for Gene Regulation and Expression University of Dundee UK</td>
<td>Protein correlation profiling analysis of the Nipah virus-host interface</td>
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<td>Angela</td>
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<td>Supervisor: LAMOND Angus</td>
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<td>AUSTRALIA</td>
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**HASEGAWA Tetsuo**  
JAPAN  
From Division of Rheumatology  
Keio University  
Tokyo  
JAPAN  
To Bloomberg-Kimmel Institute  
Johns Hopkins University  
Baltimore  
USA  
The role of metabolism in regulating pathological osteoclastogenesis in arthritis  
Supervisor: PEARCE Edward

**HERRERO DEL VALLE Alba**  
SPAIN  
From INSERM  
Université de Bordeaux  
FRANCE  
To Department of Medicine  
University of Cambridge  
UK  
Molecular determinants of selective viral RNA recognition by MDA5  
Supervisor: MODIS Yorgo

**KAPADIA Nitin**  
CANADA/UK  
From Department of Biology  
McGill University  
Montreal  
CANADA  
To Cell Cycle Laboratory  
The Francis Crick Institute  
London  
UK  
Molecular dynamics of size sensing at the single cell level  
Supervisor: NURSE Paul

**KHAN Anzer**  
INDIA  
From Department of Molecular Medicine  
Central European Institute of Technology  
Brno  
CZECH REPUBLIC  
To Global Health Institute  
École Polytechnique Fédérale de Lausanne  
SWITZERLAND  
Elucidating key neuroinflammation pathway(s) involved in the brain of Drosophila  
Supervisor: LEMAITRE Bruno

**KISS Máté**  
HUNGARY  
From VIB Center for Inflammation Research  
Vrije Universiteit  
Brussels  
BELGIUM  
To Department of Pathology and Immunology  
University of Geneva - Agora Cancer Center Lausanne  
SWITZERLAND  
The role of cancer-induced hematopoietic stem cell activation in the development of atherosclerosis  
Supervisor: PITTET Mikael
LERCHER Alexander  
AUSTRIA  
From CeMM Center for Molecular Medicine  
Austrian Academy of Sciences  
Vienna  
AUSTRIA  
To Laboratory of Virology and Infectious Disease  
Rockefeller University  
New York  
USA  
How transcriptional and epigenetic networks shape lung-resident memory T cells and tissue immunity  
Supervisor: RICE Charles

MOHAMMED GARBA Yunusa  
NIGERIA  
From Department of Human Anatomy  
Gombe State University  
NIGERIA  
To Department of Zoology  
University of British Columbia  
Vancouver  
CANADA  
Understanding adaptability of egg-laying behavior in Aedes aegypti  
Supervisor: MATTHEWS Benjamin

NGUYEN Tu Anh  
VIETNAM  
From Department of Biological Sciences  
National University of Singapore and Temasek Life Sciences Laboratory  
SINGAPORE  
To Department of Biology  
Whitehead Institute for Biomedical Research  
Cambridge  
USA  
Understanding the regulation of neuropathology-associated protein and RNA repeats in Dictyostelium  
Supervisor: JAIN Ankur

OZBAYKAL-GULER Gizem  
TURKEY  
From Department of Microbiology  
Institut Pasteur  
Paris  
FRANCE  
To Department of Infection Biology  
London School of Hygiene and Tropical Medicine  
UK  
Use of Shigella-septin interactions to explore biophysical cues in cell-autonomous immunity  
Supervisor: MOSTOWY Serge

PALDI Flora  
HUNGARY  
From Wellcome Centre for Cell Biology  
University of Edinburgh  
UK  
To Department of Genome Dynamics  
Institut de Génétique Humaine  
Montpellier  
FRANCE  
The fate of functional chromatin states through mitosis: a single-cell analysis  
Supervisor: CAVALLI Giacomo
PIJUAN-SALA
Blanca
SPAIN
From Department of Haematology
University of Cambridge
UK
To Genome Biology Unit
European Molecular Biology Laboratory
Heidelberg
GERMANY
Deciphering how transcription factors modulate transcriptional bursting through enhancers
Supervisors: CROCKER Justin and FURLONG Eileen

PRAVATA
Veronica
ITALY
From Gene Expression and Regulation
University of Dundee
UK
To Developmental Neurobiology
Max Planck Institute of Psychiatry
Munich
GERMANY
Cracking the AMPylation code in neurodevelopment
Supervisor: CAPPELLO Silvia

ROSENBLUM
Daniel
ISRAEL
From Shmunis School of Biomedicine and Cancer Research
Tel Aviv University
ISRAEL
To Grossman School of Medicine
New York University
USA
Mechanisms and consequences of inflammation-induced changes to skin epithelial stem cell niches
Supervisor: NAIK Shruti

SANGUINETTI SHECK
Juan Ignacio
URUGUAY
From Bernstein Center for Computational Neuroscience
Humboldt University
Berlin
GERMANY
To Department of Organismic and Evolutionary Biology
Harvard University
Cambridge
USA
The evolution of neophobia: comparative neurophysiology of deer mice in the wild
Supervisor: HOEKSTRA Hopi

SCHNEIDER
Falk
GERMANY
From MRC Weatherall Institute of Molecular Medicine
University of Oxford
UK
To Bridge Institute
University of Southern California
Los Angeles
USA
Quantitative imaging of transcription factor dynamics during zebrafish development
Supervisor: FRASER Scott
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<tr>
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<tr>
<td>SCHWAYER Cornelia</td>
<td>AUSTRIA</td>
<td>Department of Life Science&lt;br&gt;Institute of Science and Technology Austria&lt;br&gt;Klosterneuburg&lt;br&gt;AUSTRIA</td>
<td>ERK-mediated symmetry breaking in intestinal organoid formation</td>
<td>LIBERALI Prisca</td>
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<td>SINGH Sumnima</td>
<td>NEPAL</td>
<td>Department of Quantitative Biology&lt;br&gt;Friedrich Miescher Institute for Biomedical Research&lt;br&gt;Basel&lt;br&gt;SWITZERLAND</td>
<td>Role of stress-induced modulation of B cell function in cardiovascular disease</td>
<td>SWIRSKI Filip</td>
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<td>SOUQUET Louise</td>
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<td>Centre de Recherche en Paléontologie&lt;br&gt;Muséum National d'Histoire Naturelle&lt;br&gt;Paris&lt;br&gt;FRANCE</td>
<td>The mechanics of cephalopod remarkable feeding system: how to bite without a joint</td>
<td>MOAZEN Mehran</td>
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<td>STAPORNWONGKUL Kristina Sukanya</td>
<td>GERMANY</td>
<td>Epithelial Cell Interactions Laboratory&lt;br&gt;The Francis Crick Institute&lt;br&gt;London&lt;br&gt;UK</td>
<td>The mechanistic role of metabolism during germ layer specification and symmetry breaking</td>
<td>TRIVEDI Vikas</td>
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<td>STEINDAL Inga Frøland</td>
<td>NORWAY</td>
<td>Department of Cell and Developmental Biology&lt;br&gt;University College London&lt;br&gt;UK</td>
<td>Saving the reef: identifying molecular and environmental factors underlying spawning in A.millepora</td>
<td>MILLER David</td>
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<td>Arc Centre of Excellence for Coral Reef Studies&lt;br&gt;James Cook University&lt;br&gt;Townsville&lt;br&gt;AUSTRALIA</td>
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<td>STYR Boaz</td>
<td>ISRAEL/Poland</td>
<td>Department of Physiology and Pharmacology, Tel Aviv University, ISRAEL</td>
<td>Department of Bioengineering, University of California, Berkeley, USA</td>
<td>Neuronal mechanisms underlying group social interactions in bats</td>
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<td>SUGIYAMA Yuki</td>
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<td>Department of Gene Function and Phenomics, National Institute of Genetics, Mishima, Japan</td>
<td>Sainsbury Laboratory, University of Cambridge, UK</td>
<td>Revealing autolytic mechanisms of sieve element differentiation by improved phloem induction system</td>
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<td>SZARUGA-BRACKE Maria</td>
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<td>Center for Brain and Disease Research, VIB / KU Leuven, Belgium</td>
<td>Department of Neurobiology, MRC Laboratory for Molecular Biology, Cambridge, UK</td>
<td>Harnessing phospho-signalling in protein quality control systems to foster cellular resilience</td>
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<td>THOMPSON Ken</td>
<td>Canada</td>
<td>Department of Zoology, University of British Columbia, Vancouver, Canada</td>
<td>Department of Biology, Stanford University, USA</td>
<td>Experimentally investigating the maintenance of cancer-causing genes in natural populations</td>
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<td>TRAUNMUELLER Lisa Karina</td>
<td>Austria</td>
<td>Department of Neurobiology, Biozentrum, University of Basel, Switzerland</td>
<td>Department of Neurobiology, Harvard Medical School, Boston, USA</td>
<td>Contribution of activity-regulated neuropeptide function to synaptic plasticity and memory</td>
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VALLEAU
Dylan
CANADA
From Department of Chemical Engineering and Applied Chemistry University of Toronto CANADA
To Whitehead Institute for Biomedical Research Cambridge USA
The systematic evaluation of the apicomplexan ubiquitination system
Supervisor: LOURIDO Sebastian

VLAHOS
Alex
CANADA
From Institute for Biomaterials and Biomedical Engineering University of Toronto CANADA
To Department of Chemical Engineering Stanford University USA
Programmable protease circuits to control vaccine immunogenicity
Supervisor: GAO Xiaojing

VOIGT
Fabian
GERMANY
From Brain Research Institute University of Zurich SWITZERLAND
To Department of Molecular and Cellular Biology Harvard University Cambridge USA
Algorithms and circuit mechanisms underlying distance estimation in larval zebrafish
Supervisor: ENGERT Florian

WEBER
Ramona
GERMANY
From Department of Biochemistry Max Planck Institute for Developmental Biology Tübingen GERMANY
To Institute for Regenerative Medicine University of Zurich SWITZERLAND
Mechanisms of 5'UTR-mediated translational dysregulation in cancer
Supervisor: SENDÖL Ataman

YARDEN
RABINOWITZ
Yasmin
ISRAEL/USA
From Department of Neuroscience Hebrew University Jerusalem ISRAEL
To Department of Brain and Cognitive Sciences Massachusetts Institute of Technology Cambridge USA
S1DZ neuronal representations during social behavior and the effect of cytokines on this activity
Supervisor: CHOI Gloria
YU Haopeng
CHINA

From College of Life Sciences
Northwest A&F University
Xianyang
CHINA

Artificial intelligence-driven identification of in vivo RNA structure motifs in RNA degradation

To Department of Cell and Developmental Biology
John Innes Centre
Norwich
UK

Supervisor: DING Yiliang

ZAGANELLI Sofia
ITALY

From Laboratory of Experimental Biophysics
EPFL
Lausanne
SWITZERLAND

Elucidating the role of nuclear envelope budding as a non-canonical route for exporting large-RNPs

To Department of Molecular, Cellular and Developmental Biology
University of Colorado
Boulder
USA

Supervisor: VOELTZ Gia