



HFSP AWARDS 2025

FELLOWSHIPS

as approved by the Board of Trustees (March 2025)

The HFSP fellowship program funds innovative, ground-breaking projects that have the potential to advance knowledge in the applicants' fields 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 sciences 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.

Cross-Disciplinary Fellowships are intended for postdoctoral fellows with a degree from outside the life sciences (e.g. physical sciences, chemistry, mathematics, engineering or computer sciences) who wish to receive training in biology. Fellows receive 3 years of support to obtain training in an outstanding laboratory of their choice in another country. Applicants for this fellowship are expected to move into a new research field through a significant change in discipline.

Long-Term Fellowships (LTF) and Cross-Disciplinary Fellowships (CDF) are presented in separate tables, with the awardees listed in alphabetical order.

LONG-TERM FELLOWSHIPS

Long-Term Fellowships

AMAHONG, Kuerbannisha China	From	Zhejiang University Hangzhou China	<i>Nuclear Glycosylation as a New Post-Translational Modification Regulating RNA-Binding Proteins</i>
	To	University of Gothenburg Gothenburg Sweden	Supervisor: SARSHAD, Aishe
ARNOLDI, Irene Italy	From	Istituto Universitario di Studi Superiori di Pavia (IUSS) Pavia Italy	<i>Unravelling the role of proboscis neuronal populations in Aedes aegypti blood feeding behavior</i>
	To	Radboud University Medical Center Nijmegen The Netherlands	Supervisor: HOL, Felix
ASUMBISA, Kadjita Ghana/Canada	From	McGill University Montreal Canada	<i>Re-engineering memory engrams in mice with brain machine interfaces</i>
	To	Biozentrum University of Basel Basel Switzerland	Supervisor: DONATO, Flavio
BOEGEHOLZ, Lena Germany	From	Georg August University of Goettingen Goettingen Germany	<i>Quality control of large membrane protein complexes</i>
	To	California Institute of Technology Pasadena USA	Supervisor: VOORHEES, Rebecca
BORRELLI, Costanza Italy	From	ETH Zurich Basel Switzerland	<i>Understanding the role of tertiary lymphoid structures in chronic hepatitis C infection</i>
	To	The Rockefeller University New York USA	Supervisor: VICTORA, Gabriel

LONG-TERM FELLOWSHIPS

CHAZAN, Ariel Israel/Poland	From	Technion - Institute of Technology Haifa Israel	<i>Shedding light on rhodopsin-mediated microbial phototrophy at the single-cell level</i>
	To	ETH Zurich Zurich Switzerland	Supervisor: STOCKER, Roman
CHEN, Jason USA/Canada	From	Emory University Atlanta USA	<i>Artificial selection and the rapid evolution of a plant-viral mutualism</i>
	To	Netherlands Institute of Ecology (NIOO-KNAW) Wageningen The Netherlands	Supervisor: ZWART, Mark
CHOI, Noori Republic of Korea	From	University of Nebraska-Lincoln Lincoln, Nebraska USA	<i>Phyto-Umwelt: Decoding the Multisensory World of Plants</i>
	To	University of Canterbury Christchurch New Zealand (Aotearoa)	Supervisor: NELSON, Ximena
CHOUDHARY, Divya India	From	University of Oxford Oxford UK	<i>Dissecting bacterial defense to antibiotics</i>
	To	President & Fellows of Harvard College Cambridge USA	Supervisor: GARNER, Ethan
CIACCHI, Laura Australia	From	Monash University Melbourne Australia	<i>Investigating CD1a-driven T cell responses to UVB light exposure</i>
	To	University of Oxford Oxford UK	Supervisor: OGG, Graham

LONG-TERM FELLOWSHIPS

CURRIE, Michael New Zealand	From	University of Canterbury Christchurch New Zealand	<i>Characterization of the human Notch-ligand synapse</i>
	To	President and Fellows of Harvard College, Harvard Medical School Boston USA	Supervisor: BLACKLOW, Stephen
EGLIT, Yana Canada/Russia	From	Dalhousie University Halifax, Nova Scotia Canada	<i>Probing the evolutionary structural biology of the centriole using a unique deep- branching protist</i>
	To	University of Geneva Geneva Switzerland	Supervisor: GUICHARD, Paul
ELTABBAL, Mohamed Egypt	From	Okinawa Institute of Science and Technology Graduate University Okinawa Japan	<i>Dissecting brainstem neural circuits orchestrating intra-oral tongue movements</i>
	To	The Salk Institute for Biological Studies La Jolla USA	Supervisor: AZIM, Eiman
ERNST, Leonard Germany	From	Max Planck Institute for Terrestrial Microbiology Marburg Germany	<i>Ancestral Reconstruction and Biochemical Resurrection of Hydrogenases</i>
	To	Monash Biomedicine Discovery Institute Melbourne Australia	Supervisor: GREENING, Chris
FILO, Shir Israel/Germany	From	The Hebrew University of Jerusalem Jerusalem Israel	<i>Studying the structure and function of cortical lamination in the developing brain with MRI</i>
	To	Max Planck Institute for Human Cognitive and Brain Sciences Leipzig Germany	Supervisor: KIRILINA, Evgeniya

LONG-TERM FELLOWSHIPS

FRACASSI, Cristina Italy	From	San Raffaele Vita - Salute University Milan Italy	<i>Epigenetic homeostasis as oncogenic barrier during cell differentiation</i>
	To	Institute of Human Genetics (Institut de Génétique Humaine, IGH - CNRS) Montpellier France	Supervisor: CAVALLI, Giacomo
GIEZ, Christoph Germany	From	Christian-Albrecht University of Kiel Kiel Germany	<i>Molecular mechanisms underlying the evolution of central neural circuits and behavior</i>
	To	The Francis Crick Institute Ltd London UK	Supervisor: PRIETO GODINO, Laura Lucia
GROZA, Raluca Romania	From	Freie Universität Berlin Berlin Germany	<i>The regulation of mitochondrial dynamics by local protein translation in neurons</i>
	To	ETH Zurich Zurich Switzerland	Supervisor: KLEELE, Tatjana
HATASHITA, Yoshiki Japan	From	Waseda University Shinjuku Japan	<i>Neuromodulation of representational stability during learning under uncertainty</i>
	To	University Hospital Bonn (Universitätsklinikum Bonn) Bonn Germany	Supervisor: ROSE, Tobias
JENTOFT, Ida Norway	From	Max Planck Institute for Multidisciplinary Sciences Göttingen Germany	<i>Mechanisms of translation reprogramming during embryonic diapause</i>
	To	Research Institute of Molecular Pathology (IMP) Vienna Austria	Supervisor: PAULI, Andrea

LONG-TERM FELLOWSHIPS

JONKERGOUW, Christopher The Netherlands	From	Aalto University Espoo Finland	<i>Towards programmable multicellular logic networks</i>
	To	Massachusetts Institute of Technology Cambridge USA	Supervisor: VOIGT, Christopher
KOOPAL, Balwina The Netherlands	From	Wageningen University & Research Wageningen The Netherlands	<i>Unfolding the mechanisms of Tiamat, a unique prokaryotic defense system</i>
	To	Institute of Science and Technology Austria Klosterneuburg Austria	Supervisor: BRAVO, Jack
KUMARI, NITU India	From	Indian Institute of Science (IISc) Bangalore India	<i>Mechanistic insight into cell fate decision and memory driving drug resistance</i>
	To	Northwestern University Feinberg School of Medicine Chicago USA	Supervisor: GOYAL, Yogesh
LIN, Chang China	From	Peking University Beijing China	<i>Directed evolution of LacclD and discovery of tumor-immune interactions driving cancer progression</i>
	To	The Board of Trustees of the Leland Stanford Junior University Redwood City USA	Supervisor: TING, Alice
LOCHS, Silke The Netherlands	From	Hubrecht Institute - KNAW, Utrecht University Utrecht The Netherlands	<i>Enhancing cell plasticity in models of the human pancreas towards functional beta cell regeneration</i>
	To	Max Delbrück Center for Molecular Medicine Berlin Germany	Supervisor: JUNKER, Jan Philipp

LONG-TERM FELLOWSHIPS

MARTIN, Caroline USA	From	Massachusetts Institute of Technology Cambridge USA	<i>Decoding GPCR signaling in insect physiology and interspecies conflict</i>
	To	University of Copenhagen (UCPH) Copenhagen Denmark	Supervisor: HAUSER, Alexander
OHASHI, Takuro Japan	From	Nagoya University Nagoya Japan	<i>Visual and acoustic integration in mating swarm of malaria mosquitoes</i>
	To	University of Washington Seattle USA	Supervisor: RIFFELL, Jeff
OIWA, Kotaro Japan	From	Nagoya University Nagoya Japan	<i>Exploring the hidden roles of the Y chromosome in Alzheimer's disease: A cutting-edge organoid study</i>
	To	The Salk Institute for Biological Studies La Jolla USA	Supervisor: GAGE, Fred
PARRENO, Victoria France	From	Institute of Human Genetics - UMR 9002 CNRS - Université de Montpellier Montpellier France	<i>Unraveling the role of HSC diversity in aging using intersectional genetics and clonal tracing</i>
	To	Institute for Research in Biomedicine (IRB Barcelona) Barcelona Spain	Supervisor: RODRIGUEZ-FRATICELLI, Alejo
PATEL, Karishma New Zealand	From	University of Sydney Sydney Australia	<i>Deciphering the molecular mechanisms of intercellular mitochondrial transfer.</i>
	To	The Francis Crick Institute Ltd London UK	Supervisor: DEVINE, Michael

LONG-TERM FELLOWSHIPS

PAUKSTYTE, Jurgita Lithuania	From	University of Helsinki Helsinki Finland	<i>Dissecting the composition and function of highly abundant crystals in mammalian oocytes</i>
	To	Max Planck Institute for Multidisciplinary Sciences Göttingen Germany	Supervisor: SCHUH, Melina
PERRIN, Simon France	From	Paris Cité University Paris France	<i>Reading and writing stem cell memories for central nervous system repair</i>
	To	Karolinska Institutet Stockholm Sweden	Supervisor: LLORENS-BOBADILLA, Enric
RODRIGUES, Felipe Brazil	From	The Francis Crick Institute London UK	<i>Stem cell memories of inflammation: consequences to tissue fitness and tumor susceptibility</i>
	To	The Rockefeller University New York USA	Supervisor: FUCHS, Elaine
ROEGIERS, Inez Belgium	From	Ghent University Ghent Belgium	<i>Microbes Also Need Their Space: A BioPrinting Approach to Unravel Host-Microbe Interactions in IBD</i>
	To	Imperial College of Science, Technology and Medicine London UK	Supervisor: KORCSMAROS, Tamas
RUPERTI, Fabian Germany	From	European Molecular Biology Laboratory and University of Heidelberg Heidelberg Germany	<i>The dynamic regulation of coral-dinoflagellate symbiosis by protein glycosylation</i>
	To	University of Queensland (UQ) Brisbane, QLD Australia	Supervisor: SCHULZ, Benjamin

LONG-TERM FELLOWSHIPS

SAHA, Sulov Bangladesh	From	University of Toulouse Toulouse France	<i>Unfolding the genetic and cellular complexities of cerebral cortex folding</i>
	To	Instituto de Neurociencias Alicante Spain	Supervisor: BORRELL, Victor
SHEPPARD, Catherine UK	From	Lancaster University Lancaster UK	<i>Determining the role of fine-scale structural complexity in animal behaviour in a changing ocean</i>
	To	Hawai'i Institute of Marine Biology Kaneohe USA	Supervisor: MADIN, Elizabeth
SIRECI, Matteo Italy	From	University of Granada Granada Spain	<i>Deciphering how microbial interactions drive horizontal gene transfer of antibiotic resistance</i>
	To	Centre National de la Recherche Scientifique - Délégation Paris-Centre Paris France	Supervisor: AMOR, Daniel
SZABO, Rachel USA/Hungary	From	Massachusetts Institute of Technology Cambridge USA	<i>Predicting phage dynamics in microbial communities</i>
	To	ETH Zurich Zurich Switzerland	Supervisor: ACKERMANN, Martin
TERRON BAUTISTA, Jose Spain	From	University of Sevilla Sevilla Spain	<i>Role of DNA topology in regulating early mammalian development</i>
	To	Helmholtz Zentrum München Neuherberg Germany	Supervisor: TORRES-PADILLA, Maria-Elena

LONG-TERM FELLOWSHIPS

TORRES ASCURRA, Yerisf Carla Peru	From	Wageningen University & Research Wageningen The Netherlands	<i>Integrating symbiosis and immunity: uncovering new signaling pathways in plant-microbe interactions</i>
	To	The Salk Institute for Biological Studies La Jolla USA	Supervisor: MÜLLER, Lena
VALENTIN-ALVARADO, Luis Enrique USA	From	University of California Berkeley Berkeley USA	<i>Systematic discovery of evolutionary origins and functional diversity of methyltransferases</i>
	To	Monash University Clayton Australia	Supervisor: KNOTT, Gavin
WISEGLASS, Gil Israel/UK	From	Tel Aviv University Tel Aviv Israel	<i>Exploring the Evolution and Optimization of the Auxin Signaling Pathway</i>
	To	Wageningen University and Research Wageningen The Netherlands	Supervisor: WEIJERS, Dolf
YANG, Ke China	From	Tsinghua University Beijing China	<i>Polarized trafficking mechanisms of voltage-gated Ca²⁺ channels in neurons</i>
	To	President and Fellows of Harvard College, Harvard Medical School Boston USA	Supervisor: KAESER, Pascal
ZHANG, Chen China	From	École Polytechnique Fédérale de Lausanne (EPFL) Lausanne Switzerland	<i>Assembly and function of surface (S)-layers in Bacillus anthracis</i>
	To	President and Fellows of Harvard College, Harvard Medical School Boston USA	Supervisor: RUDNER, David

LONG-TERM FELLOWSHIPS

ZHOU, Yalin
China

From Shanghai Jiao Tong University
Shanghai
China

***Decoding Structural Dynamics
of Charge Transfer in
Cryptochromes by Time-
Resolved Crystallography***

To Uppsala University
Uppsala
Sweden

Supervisor:
WESTENHOFF, Sebastian

CROSS-DISCIPLINARY FELLOWSHIPS

Cross-Disciplinary Fellowships

CHAN, Chi Kong Hong Kong (China)	From	The Hong Kong University of Science and Technology Hong Kong Hong Kong, China	<i>Epitranscriptome profiling in the DepMap: An engine for target and biomarker discovery in cancer</i>
	To	Massachusetts Institute of Technology Cambridge USA	Supervisor: DEDON, Peter
HONG, Yuri Republic of Korea	From	Pohang University of Science and Technology Pohang Republic of Korea	<i>Mesoscale and Microscale Organization in C. elegans embryo</i>
	To	Max Planck Institute of Molecular Cell Biology and Genetics Dresden Germany	Supervisor: HYMAN, Tony
KAMATH, Ananth India	From	University of Chicago Chicago USA	<i>Noninvasive magnetomechanical modulation of microglia</i>
	To	Katholieke Universiteit Leuven Leuven Belgium	Supervisor: RANGA, Adrian
SUN, Lingyu China	From	Southeast University Nanjing China	<i>Canal of Hering functions as a pressure regulator for biliary excretion</i>
	To	National University of Singapore Singapore Singapore	Supervisor: YU, Hanry