



HFSP AWARDS 2015

LONG-TERM FELLOWSHIPS

as approved by the Board of Trustees (March 24, 2015)

ARAGONA Mariaceleste ITALY	From	Department of Molecular Medicine University of Padua ITALY	<i>Unravelling the cellular dynamics of force mediated tissue expansion</i>
	To	Interdisciplinary Research Institute Université Libre de Bruxelles BELGIUM	Supervisor: BLANPAIN Cédric
ARIOTTI Silvia ITALY	From	Division of Immunology The Netherlands Cancer Institute Amsterdam THE NETHERLANDS	<i>Linking intracellular signalling dynamics to transcription factor networks in developing T cells</i>
	To	Department of Molecular and Cell Biology University of California Berkeley USA	Supervisor: ROBEY Ellen
AUER Thomas GERMANY	From	Genetics and Developmental Biology Department Institut Curie Paris FRANCE	<i>Unraveling the genetic basis of olfactory circuit evolution in Drosophila</i>
	To	Center for Integrative Genomics University of Lausanne SWITZERLAND	Supervisor: BENTON Richard
BAO Huan CHINA	From	Department of Biochemistry University of British Columbia Vancouver CANADA	<i>Probing the structure and regulation of exocytic fusion pores using nanodiscs</i>
	To	Department of Neuroscience University of Wisconsin Madison USA	Supervisor: CHAPMAN Edwin
BARAKAT Stefan GERMANY	From	Department of Reproduction and Development Erasmus University Rotterdam THE NETHERLANDS	<i>Causes and consequences of pluripotency gene regulatory network member heterogeneity</i>
	To	MRC Centre for Regenerative Medicine The University of Edinburgh UK	Supervisor: CHAMBERS Ian

<p>BETHGE Philipp GERMANY</p>	From	Interdisciplinary Institute for Neuroscience University of Bordeaux FRANCE	<i>Computational role of superficial and deep layers of mouse neocortex during texture-discrimination</i>
	To	Brain Research Institute University of Zürich SWITZERLAND	Supervisor: HELMCHEN Fritjof
<p>BIAN Xin CHINA</p>	From	Department of Cell Biology Nankai University Tianjin CHINA	<i>ER-PM tethering protein extended synaptotagmin 1 plays an important role in cell migration</i>
	To	Department of Cell Biology Yale University School of Medicine New Haven USA	Supervisor: DE CAMILLI Pietro
<p>BIFFI Giulia ITALY</p>	From	Cancer Research UK Cambridge Institute University of Cambridge UK	<i>Roles and regulation of pH in pancreatic ductal adenocarcinoma and its microenvironment</i>
	To	Cancer Center Cold Spring Harbor Laboratory USA	Supervisor: TUVESON David Arthur
<p>CARNEVALE Federico ARGENTINA</p>	From	Department of Theoretical Physics Universidad Autonoma Madrid SPAIN	<i>The impact of neural variability on sensory perception, decision-making and behavior</i>
	To	Cold Spring Harbor Laboratory USA	Supervisor: ZADOR Anthony
<p>CASANOVA María SPAIN</p>	From	Atherothrombosis, Imaging and Epidemiology Department CNIC Madrid SPAIN	<i>Macrophage neuronal crosstalk in the tumor microenvironment</i>
	To	Department of Oncological Sciences Icahn School of Medicine at Mount Sinai New York USA	Supervisor: MERAD Miriam

<p>CHAN Yujia Alina CANADA</p>	From	<p>Department of Biochemistry and Molecular Biology University of British Columbia Vancouver CANADA</p>	<p><i>Elucidating and modeling the microbial mechanism of carbon fixation</i></p>
	To	<p>Department of Systems Biology Harvard Medical School Boston USA</p>	<p>Supervisor: SILVER Pamela</p>
<p>CHOUCHANI Edward CANADA/GREECE</p>	From	<p>MRC Mitochondrial Biology Unit University of Cambridge UK</p>	<p><i>Elucidation of mitochondrial pathophysiological drivers of visceral adiposity</i></p>
	To	<p>Cancer Biology Dana-Farber Cancer Institute Boston USA</p>	<p>Supervisor: SPIEGELMAN Bruce</p>
<p>CLANCY Kelly USA</p>	From	<p>Biophysics Department University of California Berkeley USA</p>	<p><i>The influence of hemispheric activity dynamics on sensory processing in primary visual cortex</i></p>
	To	<p>Biozentrum University of Basel SWITZERLAND</p>	<p>Supervisor: MRSIC-FLOGEL Thomas</p>
<p>CULIK Robert USA</p>	From	<p>Department of Chemistry University of Pennsylvania Philadelphia USA</p>	<p><i>Probing conformationally excited states of aggregation-prone proteins involved in ALS</i></p>
	To	<p>Department of Molecular Genetics University of Toronto CANADA</p>	<p>Supervisor: KAY Lewis</p>
<p>DANG Shangyu CHINA</p>	From	<p>School of Life Sciences Tsinghua University Beijing CHINA</p>	<p><i>Structural study of hERG ion channel using single particle electron cryo-microscopy</i></p>
	To	<p>Department of Biochemistry and Biophysics University of California San Francisco USA</p>	<p>Supervisor: CHENG Yifan</p>

DUSS Olivier SWITZERLAND	From	Institute for Molecular Biology and Biophysics ETH Zurich SWITZERLAND	<i>Co-transcriptional ribosome assembly in real time</i>
	To	Integrative Structural and Computational Biology The Scripps Research Institute La Jolla USA	Supervisors: WILLIAMSON James and PUGLISI Joseph
ELLIS Stephanie CANADA/UK	From	Department of Cellular and Physiological Sciences University of British Columbia Vancouver CANADA	<i>Exploring the dynamic cell behaviours underlying epidermal stratification and differentiation</i>
	To	Laboratory of Mammalian Cell Biology and Development Rockefeller University New York USA	Supervisor: FUCHS Elaine
FISEK Mehmet TURKEY	From	Department of Neurobiology Harvard Medical School Boston USA	<i>Neuronal and dendritic recruitment on neocortical area borders</i>
	To	Neural Computation Group University College London UK	Supervisor: HAUSSER Michael
FLUMAN Nir ISRAEL	From	Department of Molecular Genetics Weizmann Institute of Science Rehovot ISRAEL	<i>Topology rearrangements in membrane protein maturation</i>
	To	Department of Biochemistry and Biophysics Stockholm University SWEDEN	Supervisor: VON HEIJNE Gunnar
FUKAYA Takashi JAPAN	From	Department of Biochemistry The University of Tokyo JAPAN	<i>Developing live imaging to visualize enhancer-promoter interaction in the early Drosophila embryo</i>
	To	Department of Molecular and Cell Biology University of California, Berkeley USA	Supervisor: LEVINE Michael

<p>GAL Asaf ISRAEL</p>	From	<p>Department of Physics of Complex Systems Weizmann Institute of Science Rehovot ISRAEL</p>	<p><i>Theoretical and empirical investigation into the emergence of division of labor in ant colonies</i></p>
	To	<p>Laboratory of Insect Social Evolution Rockefeller University New York USA</p>	<p>Supervisor: KRONAUER Daniel</p>
<p>GARREAU DE LOUBRESSE Nicolas FRANCE</p>	From	<p>Department of Integrated Structural Biology IGBMC Illkirch FRANCE</p>	<p><i>Programmable DNA frameworks for high-resolution cryo-electron microscopy</i></p>
	To	<p>Wyss Institute for Biologically Inspired Engineering Harvard University Boston USA</p>	<p>Supervisor: YIN Peng</p>
<p>GATI Cornelius GERMANY/HUNGARY</p>	From	<p>Center for Free-Electron Laser Science Deutsches Elektronensynchrotron DESY Hamburg GERMANY</p>	<p><i>Novel methods for the investigation of DNA replisome structural dynamics by single particle cryo-EM</i></p>
	To	<p>MRC Laboratory of Molecular Biology Cambridge University UK</p>	<p>Supervisor: SCHERES Sjors</p>
<p>GOLOMB Lior ISRAEL</p>	From	<p>The Department of Molecular Cell Biology Weizmann Institute of Science Rehovot ISRAEL</p>	<p><i>Systematic functional characterization of metastatic prostate cancer bone tropism</i></p>
	To	<p>Department of Medical Oncology Dana Farber Cancer Institute Harvard Medical School Boston USA</p>	<p>Supervisor: GARRAWAY Levi</p>
<p>HALLACLI Erinc TURKEY</p>	From	<p>Max Planck Institute of Immunobiology and Epigenetics Freiburg GERMANY</p>	<p><i>Investigation of RNA binding prion proteins in <i>S.cerevisiae</i></i></p>
	To	<p>Whitehead Institute for Biomedical Research Cambridge USA</p>	<p>Supervisor: LINDQUIST Susan</p>

HARJUNMAA Enni FINLAND	From	Research Program in Developmental Biology Institute of Biotechnology Helsinki FINLAND	<i>The evolution of gene regulatory modules</i>
	To	Friedrich Miescher Laboratory Max Planck Institute Tübingen GERMANY	Supervisor: JONES Felicity
HERRERA Salvador SPAIN	From	Centro de Biología Molecular Severo Ochoa Universidad Autónoma de Madrid, CSIC SPAIN	<i>Characterizing the mechanisms that control stem cell behavior during aging</i>
	To	Department of Biochemistry and Molecular Pharmacology New York University School of Medicine USA	Supervisor: BACH Erika
HONDELE Maria GERMANY	From	Butenandt Institute Ludwig-Maximilians-Universität Munich GERMANY	<i>Reconstitution, imaging and functional analysis of cytosolic mRNA turnover and P-body formation</i>
	To	Institute of Biochemistry ETH Zurich SWITZERLAND	Supervisor: WEIS Karsten
INABA Masafumi JAPAN	From	Department of Integrative Physiology Osaka University JAPAN	<i>Molecular and cellular mechanisms of feather patterning in chick skin</i>
	To	Department of Pathology University of Southern California Los Angeles USA	Supervisor: CHUONG Cheng-Ming
IVANOVITCH Kenzo FRANCE	From	LMCB MRC and Department of Cell and Developmental Biology University College London UK	<i>Elucidating the cell and tissue dynamics underlying early heart development by in vivo live-imaging</i>
	To	Cardiovascular Development and Repair Centro Nacional de Investigaciones Cardiovasculares Madrid SPAIN	Supervisor: TORRES Miguel

<p>JUPE Florian GERMANY</p>	From	The Sainsbury Laboratory Norwich UK	<i>Exploring the link between DNA methylation and structural variation in plant genomes</i>
	To	The Salk Institute of Biological Studies La Jolla USA	Supervisor: ECKER Joseph
<p>KAMINKER Ilia ISRAEL</p>	From	Department of Chemical Physics Weizmann Institute of Science Rehovot ISRAEL	<i>Revealing protein hydration landscape with sub-nanometer resolution in living cells</i>
	To	Department of Chemistry and Biochemistry University of California Santa Barbara USA	Supervisor: HAN Song-I
<p>KAMINSKI Lina ISRAEL</p>	From	Department of Life Sciences Ben Gurion University of the Negev Beer-Sheva ISRAEL	<i>Exploiting transcriptional signatures to eradicate persistent Mycobacterium tuberculosis</i>
	To	Microbiology and Immunology Albert Einstein College of Medicine of Yeshiva University Bronx USA	Supervisor: JACOBS William
<p>KIMMIG Philipp GERMANY</p>	From	Biochemistry and Biophysics Department University of California, San Francisco USA	<i>Identifying the molecular degradation signal and machinery to eliminate damaged ribosomes in cells</i>
	To	Institute of Biochemistry ETH Zurich SWITZERLAND	Supervisor: PETER Matthias
<p>KOHL Johannes GERMANY</p>	From	Neurobiology Division MRC Laboratory of Molecular Biology Cambridge UK	<i>Neural circuits underlying parental behavior</i>
	To	Department of Molecular and Cellular Biology Harvard University Cambridge USA	Supervisor: DULAC Catherine

KONSTANTINIDES Nikolaos GREECE	From	Comparative Developmental Biology and Regeneration Lab. Institut de Génomique Fonctionnelle de Lyon FRANCE	<i>A machine-learning computational model of generation of neural diversity in Drosophila optic lobes</i>
	To	Developmental Genetics New York University USA	Supervisor: DESPLAN Claude
KRETZSCHMAR Kai GERMANY	From	Centre for Stem Cells and Regenerative Medicine King's College London UK	<i>Modelling cancer immunomodulation in epithelial organoid cultures</i>
	To	Hubrecht Institute Utrecht THE NETHERLANDS	Supervisor: CLEVERS Hans
KVON Evgeny RUSSIA	From	Research Institute of Molecular Pathology IMP Vienna Biocenter AUSTRIA	<i>Functional exploration of mammalian distant-acting enhancer-gene interactions</i>
	To	Genomics Division Lawrence Berkeley National Laboratory USA	Supervisors: VISEL Axel and PENNACCHIO Len
LAPINAITE Audrone LITHUANIA	From	Structural and Computational Biology European Molecular Biology Laboratory Heidelberg GERMANY	<i>CRISPR/Cas based RNA imaging to observe cytoplasmic intron-retaining transcripts in living cells</i>
	To	Dept. of Molecular and Cell Biology and Dept. of Chemistry University of California Berkeley USA	Supervisor: CATE Jamie
LI Kun CHINA	From	Institute of Neuroscience Chinese Academy of Sciences Shanghai CHINA	<i>Genetic dissection and translational profile of circuits implicated in Obsessive Compulsive Behavior</i>
	To	Laboratory of Molecular Biology The Rockefeller University New York USA	Supervisor: HEINTZ Nathaniel

LONFAT Nicolas SWITZERLAND	From	Life Science EPFL Lausanne SWITZERLAND	<i>Studying the mechanisms restricting retinal progenitor cells to make cones and horizontal cells only</i>
	To	Department of Genetics Harvard Medical School Boston USA	Supervisor: CEPKO Constance
LUNDBERG Derek USA	From	Department of Biology University of North Carolina Chapel Hill USA	<i>Evolutionary genetics of plant-microbe interactions in natural populations</i>
	To	Dept. of Molecular Biology Max Planck Institute for Developmental Biology Tübingen GERMANY	Supervisor: WEIGEL Detlef
MACE Emilie FRANCE	From	Vision Institute Paris FRANCE	<i>System level investigation of an innate visual circuit</i>
	To	Friedrich Miescher Institute for Biomedical Research Basel SWITZERLAND	Supervisor: ROSKA Botond
MANSOUR Abed Alfatah ISRAEL/JORDAN	From	Department of Molecular Genetics Weizmann Institute of Science Rehovot ISRAEL	<i>Decoding the molecular landscape of aging during adult neurogenesis</i>
	To	Laboratory of Genetics The Salk Institute for Biological Studies La Jolla USA	Supervisor: GAGE Fred
MARICHAL Nicolás URUGUAY	From	Department of Cell and Molecular Neurophysiology “Clemente Estable” Institute for Biological Research Montevideo URUGUAY	<i>Functional integration of in vivo NG2 glia-derived induced neurons in the injured cerebral cortex</i>
	To	Institute of Physiological Chemistry Johannes Gutenberg University Mainz GERMANY	Supervisor: BERNINGER Benedikt

MELAMED Ze'Ev ISRAEL	From	Department of Human Molecular Genetics and Biochemistry Tel Aviv University ISRAEL	<i>Genome editing of patient-derived neurons to elucidate RNA metabolism and dysfunction in ALS</i>
	To	Department of Neuroscience University of California San Diego USA	Supervisor: CLEVELAND Don
MULIYIL Sonia INDIA	From	Department of Biological Sciences Tata Institute of Fundamental Research Mumbai INDIA	<i>Dissecting the role of iRhoms in protein quality control in the Drosophila nervous system</i>
	To	The Sir William Dunn School of Pathology University of Oxford UK	Supervisor: FREEMAN Matthew
PARRISH Nicholas USA	From	Department of Medicine University of Pennsylvania Philadelphia USA	<i>Investigating the function of piRNA derived from endogenous bornaviral elements</i>
	To	Laboratory of Human Tumor Viruses Kyoto University JAPAN	Supervisors: SIOMI Haruhiko and TOMONAGA Keizo
PENCHEVA Nora BULGARIA	From	Laboratory of Systems Cancer Biology The Rockefeller University New York USA	<i>Identification of mesenchymal genes that drive glioblastoma brain invasion</i>
	To	Division of Molecular Carcinogenesis The Netherlands Cancer Institute Amsterdam THE NETHERLANDS	Supervisor: BERNARDS Rene
PEREZ-ESCUADERO Alfonso SPAIN	From	Cajal Institute Consejo Superior de Investigaciones Cientificas Madrid SPAIN	<i>Does critical slowing down predict the death of a complex organism?</i>
	To	Department of Physics Massachusetts Institute of Technology Boston USA	Supervisor: GORE Jeff

SALVI Jayesh CANADA	From	Laboratory Medicine and Pathobiology University of Toronto CANADA	<i>Role of PABPN1 in Pax3 alternative polyadenylation and regenerative myogenesis</i>
	To	Department of Neurology and Neurological Sciences Stanford University School of Medicine Palo Alto USA	Supervisor: RANDO Thomas
SHIBUYA Hiroki JAPAN	From	Laboratory of Chromosome Dynamics The University of Tokyo JAPAN	<i>Molecular characterization of heritable epigenetics in C. elegans</i>
	To	Pediatrics, Children's Hospital Boston The Harvard University Boston USA	Supervisor: GREER Eric
SINGH Deepankar INDIA	From	Institut de Biologie Ecole Normale Supérieure Paris FRANCE	<i>Identification and functional characterization of key regulators of zygotic genome activation in the mouse</i>
	To	Department of Epigenetics Friedrich Miescher Institute for Biomedical Research Basel SWITZERLAND	Supervisor: PETERS Antoine
SORKIN Raya ISRAEL	From	Materials and Interfaces Weizmann Institute of Science Rehovot ISRAEL	<i>Vesicle mechanics and endocytosis: what's the connection?</i>
	To	Physics of Living Systems Section Vrije Universiteit Amsterdam THE NETHERLANDS	Supervisor: WUITE Gijs
STANLIE Andre INDONESIA	From	Dept. of Immunology and Genomic Medicine Kyoto University JAPAN	<i>Role of shelterin at extra- telomeric repetitive DNA sequences</i>
	To	Laboratory of Genome Integrity National Institutes of Health Bethesda USA	Supervisor: NUSSENZWEIG Andre

STEINMETZ Nicholas USA	From	Department of Neurobiology Stanford University USA	<i>Neocortical circuits underlying visually-guided behavior in mice</i>
	To	Institute of Neurology University College London UK	Supervisors: HARRIS Kenneth and CARANDINI Matteo
TANG Hong-Wen TAIWAN	From	Institute of Biological Chemistry Academia Sinica Taipei TAIWAN	<i>Characterization of stem cell-niche interaction during Drosophila midgut regeneration</i>
	To	Department of Genetics Harvard Medical School Boston USA	Supervisor: PERRIMON Norbert
TERASAKA Naohiro JAPAN	From	Department of Chemistry The University of Tokyo JAPAN	<i>Site-specific introduction of N6-methyladenosine using engineered snoRNP by directed evolution</i>
	To	Department of Chemistry and Applied Biosciences ETH Zurich SWITZERLAND	Supervisor: HILVERT Donald
UEHATA Takuya JAPAN	From	Institute for Virus Research Kyoto University JAPAN	<i>Mechanisms for induction and maintenance of follicular helper T cells by commensal bacteria</i>
	To	Department of Pathology/Molecular Pathogenesis New York University School of Medicine USA	Supervisor: LITTMAN Dan
WEI Wei CHINA	From	School of Life Sciences Tsinghua University Beijing CHINA	<i>Sensitization of mitochondrial surveillance and defense in Caenorhabditis elegans</i>
	To	Department of Molecular Biology Massachusetts General Hospital Boston USA	Supervisor: RUVKUN Gary

XU Zhengyi CHINA	From	Life Science Department Pohang University of Science and Technology KOREA	<i>Exploring the energy signaling network at single-nucleus resolution in the root stem cell niche</i>
	To	Department of Molecular Biology Massachusetts General Hospital Harvard Medical School Boston USA	Supervisor: SHEEN Jen
YABUKARSKI Filip BULGARIA	From	Replication of Negative Strand RNA Viruses Unit of Virus Host Cell Interactions Grenoble FRANCE	<i>Properties and implication of the enzyme scaffold in catalysis</i>
	To	Biochemistry Department Stanford University School of Medicine USA	Supervisor: HERSCHLAG Daniel
YAN Jian CHINA	From	Department of Biosciences and Nutrition Karolinska Institute Huddinge SWEDEN	<i>Sequence determinants of chromosome topology in human cells</i>
	To	Laboratory of Gene Regulation Ludwig Institute for Cancer Research San Diego USA	Supervisor: REN Bing
YANG Yu Hsuan Carol CANADA	From	Department of Cellular and Physiological Sciences University of British Columbia Vancouver CANADA	<i>The role of autonomic innervation in endocrine pancreas development and glucose homeostasis</i>
	To	Department of Developmental Genetics Max Planck Institute for Heart and Lung Research Bad Nauheim GERMANY	Supervisor: STAINIER Didier
YOUNTS Thomas USA	From	Department of Neuroscience Albert Einstein College of Medicine New York USA	<i>"All optical" 3D exploration of neuronal computations in sensory neocortical microcircuits</i>
	To	Department of Neuroscience, Physiology and Pharmacology University College London UK	Supervisor: SILVER Robin Angus

ZIV
Omer
GERMANY/ISRAEL

From Biological Chemistry Department
Weizmann Institute of Science
Rehovot
ISRAEL

*Analysis of environmental and
mobile small RNAs within
mammalian organoids*

To Cancer Research UK Gurdon Institute
University of Cambridge
UK

Supervisor:
MISKA Eric