

EMBO Young Investigators eligible for YIP Lectures in 2019

Cell Cycle

Bungo Akiyoshi

eligible until end of 2020

Kinetochore / mitosis / chromosome / trypanosome / kinetoplastid / centromere / Trypanosoma brucei
<http://www.bioch.ox.ac.uk/aspsite/index.asp?pageid=951>

Clemens Cabernard

eligible until end of 2019

Asymmetric cell division / stem cells / cytokinesis / cell polarity / Drosophila
<https://www.biology.washington.edu/people/profile/clemens-cabernard>

Jeremy Carlton

eligible until end of 2020

Cell biology / ESCRT / nuclear envelope / cytokinesis / endosome
<https://www.crick.ac.uk/research/a-z-researchers/researchers-a-c/jeremy-carlton/>

Pablo Huertas

eligible until end of 2019

Homologous recombination / non-homologous end-joining / DNA repair / DNA double strand breaks / cancer
<http://www.cabimer.es/web/en/dept/ctrm/dna-double-strand-break-repair-and-human-disease/>

Joao Matos

eligible until end of 2021

DNA repair / homologous recombination / structure-selective endonucleases / meiosis / chromosome segregation
<http://www.bc.biol.ethz.ch/research/matos.html>

Kikue Tachibana-Konwalski

eligible until end of 2021

Totipotency / zygotes / epigenetic reprogramming / chromatin / genome organization / meiosis / oocytes
<https://www.imba.oeaw.ac.at/research/kikue-tachibana/>

Cell & Tissue Architecture

Igor Adameyko eligible until end of 2020
Craniofacial development / cartilage / innervation / stem cells / embryo / shape / Schwann cells / neural crest
<https://ki.se/en/people/igoad>

Vaishnavi Ananthanarayanan eligible until end of 2022
Cytoskeleton/Motor proteins/Microscopy/Image Processing/Quantitation
<http://www.be.iisc.ac.in/~vaish>

Clemens Cabernard eligible until end of 2019
Asymmetric cell division / stem cells / cytokinesis / cell polarity / Drosophila
<https://www.biology.washington.edu/people/profile/clemens-cabernard>

Karin De Visser eligible until end of 2019
Cancer / immunology / tumor microenvironment / mouse models / inflammation
<http://www.nki.nl/divisions/immunology/de-visser-k-group/>

Jerome Gros eligible until end of 2020
Morphogenesis / limb / gastrulation / chick / imaging
<https://research.pasteur.fr/en/member/jerome-gros/>

Annika Guse eligible until end of 2020
Cell biology / symbiosis / emerging models / phagocytosis / coordination of cell function / nutrient exchange
<http://guselab.de>

Meritxell Huch eligible until end of 2022
organoids, liver, cancer, regeneration, DNA-methylation
<https://www.gurdon.cam.ac.uk/research/huch>

Matteo Iannacone eligible until end of 2019
Imaging / lymphocyte / infection / liver / lymph nodes
<http://www.iannaconelab.com>

Shalev Itzkovitz eligible until end of 2019
Systems biology / design principles / single molecule imaging / stem cell biology / metabolism
<http://www.weizmann.ac.il/weizsites/shalev/>

Martin Lenz eligible until end of 2020
Cytoskeleton / actomyosin contractility / cellular mechanics / self-organization / theory
<http://ptms.u-psud.fr/membres/mlenz/>

Nicolas Plachta eligible until end of 2019
Mouse embryo / transcription / cell dynamics / imaging / differentiation
<http://www.imcb.a-star.edu.sg/php/np.php>

Jochen Rink eligible until end of 2019
Wnt signaling / planaria / morphogenesis / comparative genomics & transcriptomics / evolution of regeneration
<https://www.mpi-cbg.de/research-groups/current-groups/jochen-rink/research-focus/>

Pere Roca-Cusachs eligible until end of 2020
Mechanobiology / mechanotransduction / integrins / cell adhesion / biophysics / cytoskeleton
<http://www.ibecbarcelona.eu/cellmolmech>

Sven Van Teeffelen eligible until end of 2022
bacterial morphogenesis/ volume regulation/ peptidoglycan cell wall/ physical biology/ high-precision microscopy
<http://research.pasteur.fr/en/team/microbial-morphogenesis-and-growth/>

Cellular Metabolism

Filipe Cabreiro

eligible until end of 2021

Host-microbe interactions / microbiota / C. elegans / pharmacology / nutrition / ageing / cancer
<http://www.cabreirolab.org>

Annika Guse

eligible until end of 2020

Cell biology / symbiosis / emerging models / phagocytosis / coordination of cell function / nutrient exchange
<http://guselab.de>

John O'Neill

eligible until end of 2020

Circadian rhythm / biological clock / metabolic oscillation

Guadalupe Sabio

eligible until end of 2021

Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>

Carmine Settembre

eligible until end of 2020

Autophagy / lysosome / skeleton / genetic disorders / signaling
<http://www.tigem.it/research/faculty/settembre#>

Chromatin & Transcription

Isabel Bäurle

eligible until end of 2019

Chromatin / stress adaptation / heat / transposable elements / plant
<https://baurlelab.wordpress.com/>

Yosef Buganim

eligible until end of 2020

Embryonic stem cells / trophoblast stem cells / sex determination / reprogramming to pluripotency / direct conversion
<http://www.buganimlab.com/>

Maria Luisa Cochella

eligible until end of 2021

Cell differentiation / neuronal differentiation / microRNAs / transcriptional priming / C. elegans
<http://www.imp.ac.at/research/research-groups/cochella-group/>

Ana Cvejic

eligible until end of 2020

Lineage progression / haematopoiesis / single-cell RNA-sequencing / cellular heterogeneity
<http://www.haem.cam.ac.uk/staff/senior-staff/dr-ana-cvejic/>

Luca Giorgetti

eligible until end of 2021

Chromosome structure / transcriptional regulation / epigenetics / physical modeling / genomics
<http://www.fmi.ch/research/groupleader/?group=134>

Nicola Iovino

eligible until end of 2021

Epigenetics / gametes / development / embryogenesis / fertilization
<http://www.ie-freiburg.mpg.de/iovino>

Gaëlle Legube

eligible until end of 2019

DNA repair / chromatin / recombination / nuclear organization / transcription
<http://cbi-toulouse.fr/fr/equipe-legube>

Daniel Messerschmidt

eligible until end of 2021

Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
<http://www.tinyurl.com/y73ln3j>

Nicolas Plachta

eligible until end of 2019

Mouse embryo / transcription / cell dynamics / imaging / differentiation
<http://www.imcb.a-star.edu.sg/php/np.php>

Sophie Polo

eligible until end of 2021

Chromatin dynamics / UV damage repair / epigenome integrity / histone variants / histone modifications
<http://parisepigenetics.com/ei-en/>

Alvaro Rada-Iglesias

eligible until end of 2021

Enhancers / chromatin / congenital disease / development / pluripotency / differentiation / disease modelling / competence

Kikue Tachibana-Konwalski

eligible until end of 2021

Totipotency / zygotes / epigenetic reprogramming / chromatin / genome organization / meiosis / oocytes
<https://www.imba.oeaw.ac.at/research/kikue-tachibana/>

Alessandro Vannini

eligible until end of 2019

Gene transcription / RNA polymerase III / tRNAs / genome organisation / cancer
<http://www.icr.ac.uk/alessandrovanini>

Development

Igor Adameyko eligible until end of 2020
Craniofacial development / cartilage / innervation / stem cells / embryo / shape / Schwann cells / neural crest
<https://ki.se/en/people/igoada>

Yosef Buganim eligible until end of 2020
Embryonic stem cells / trophoblast stem cells / sex determination / reprogramming to pluripotency / direct conversion
<http://www.buganimlab.com/>

Clemens Cabernard eligible until end of 2019
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<http://www.imp.ac.at/research/research-groups/cochella-group/>

Ana Cvejic eligible until end of 2020
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<http://www.haem.cam.ac.uk/staff/senior-staff/dr-ana-cvejic/>

Jerome Gros eligible until end of 2020
Morphogenesis / limb / gastrulation / chick / imaging
<https://research.pasteur.fr/en/member/jerome-gros/>

Nicola Iovino eligible until end of 2021
Epigenetics / gametes / development / embryogenesis / fertilization
<http://www.ie-freiburg.mpg.de/iovino>

Manuel Irimia eligible until end of 2021
Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment
http://crg.eu/manuel_irimia

Yanlan Mao eligible until end of 2022
growth/ tissue mechanics/ regeneration/ computer modelling
<http://www.ucl.ac.uk/imcb/research-group/yanlan-mao-research-group>

Daniel Messerschmidt eligible until end of 2021
Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
<http://www.tinyurl.com/y73nln3j>

Patrick Müller eligible until end of 2021
Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<http://www.fml.tuebingen.mpg.de/mueller-group.html>

Andrea Pauli eligible until end of 2022
fertilization, proteins, maternal-zygotic control, ribosome, zebrafish
<http://paulilab.org>

Nicolas Plachta eligible until end of 2019
Mouse embryo / transcription / cell dynamics / imaging / differentiation
<http://www.imcb.a-star.edu.sg/php/np.php>

Alvaro Rada-Iglesias eligible until end of 2021
Enhancers / chromatin / congenital disease / development / pluripotency / differentiation / disease modelling / competence

Jochen Rink eligible until end of 2019
Wnt signaling / planaria / morphogenesis / comparative genomics & transcriptomics / evolution of

regeneration

<https://www.mpi-cbg.de/research-groups/current-groups/jochen-rink/research-focus/>

Elena Seiradake

eligible until end of 2021

Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system

<http://seiradake.web.ox.ac.uk>

Carmine Settembre

eligible until end of 2020

Autophagy / lysosome / skeleton / genetic disorders / signaling

<http://www.tigem.it/research/faculty/settembre#>

Kikue Tachibana-Konwalski

eligible until end of 2021

Totipotency / zygotes / epigenetic reprogramming / chromatin / genome organization / meiosis / oocytes

<https://www.imba.oeaw.ac.at/research/kikue-tachibana/>

Claire Wyart

eligible until end of 2020

Optogenetics / zebrafish neural circuits / sensory-motor control / cerebrospinal fluid / organogenesis.

<http://wyartlab.org/fr>

Differentiation & Death

Ana Jesus Garcia Saez

eligible until end of 2020

Programmed cell death / single molecule microscopy / functional & live cell microscopy / membrane

biophysics

<http://www.ifib.uni-tuebingen.de/research/garcia-saez.html>

Michelle Linterman

eligible until end of 2020

Germinal centre / follicular helper T cells / vaccination / ageing / antibodies / follicular regulatory T cells

<http://www.babraham.ac.uk/our-research/lymphocyte/michelle-linterman>

Genome Stability & Dynamics

Isabel Bäurle

eligible until end of 2019

Chromatin / stress adaptation / heat / transposable elements / plant
<https://baurlelab.wordpress.com/>

Ross Chapman

eligible until end of 2022

DNA repair/adaptive immunity/Cancer/DNA double-strand breaks
<http://www.well.ox.ac.uk/chapman>

Pablo Huertas

eligible until end of 2019

Homologous recombination / non-homologous end-joining / DNA repair / DNA double strand breaks / cancer
<http://www.cabimer.es/web/en/dept/ctrm/dna-double-strand-break-repair-and-human-disease/>

Romain Koszul

eligible until end of 2019

Chromosome organization & dynamics / Hi-C / *Saccharomyces cerevisiae* / synthetic chromosome / genome assembly / DNA replication / meta3C
<https://research.pasteur.fr/en/team/spatial-regulation-of-genomes/>

Gaëlle Legube

eligible until end of 2019

DNA repair / chromatin / recombination / nuclear organization / transcription
<http://cbi-toulouse.fr/fr/equipe-legube>

Joao Matos

eligible until end of 2021

DNA repair / homologous recombination / structure-selective endonucleases / meiosis / chromosome segregation
<http://www.bc.biol.ethz.ch/research/matos.html>

Daniel Messerschmidt

eligible until end of 2021

Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
<http://www.tinyurl.com/y73nln3j>

Elizabeth Murchison

eligible until end of 2022

Transmissible cancer / Tasmanian devils / dogs / cancer genomics / evolutionary biology
<http://www.tcg.vet.cam.ac.uk>

Sophie Polo

eligible until end of 2021

Chromatin dynamics / UV damage repair / epigenome integrity / histone variants / histone modifications
<http://parisepigenetics.com/ei-en/>

Giulia Rancati

eligible until end of 2021

Cellular evolvability / adaptive evolution / karyotypic changes / genome instability / stress-induced mutagenesis / aneuploidy
<http://tinyurl.com/rancatilab>

Peter Sarkies

eligible until end of 2022

Epigenetics/Evolution/Small RNAs/piRNAs/DNA methylation/
<https://lms.mrc.ac.uk/research-group/transgenerational-epigenetic-inheritance-evolution/>

Kikue Tachibana-Konwalski

eligible until end of 2021

Totipotency / zygotes / epigenetic reprogramming / chromatin / genome organization / meiosis / oocytes
<https://www.imba.oeaw.ac.at/research/kikue-tachibana/>

Genomic & Computational Biology

Ana Cvejic eligible until end of 2020
Lineage progression / haematopoiesis / single-cell RNA-sequencing / cellular heterogeneity
<http://www.haem.cam.ac.uk/staff/senior-staff/dr-ana-cvejic/>

Christophe Dessimoz eligible until end of 2020
Phylogenetics / bioinformatics / comparative genomics / sequence analysis / orthology / tree of life
<http://lab.dessimoz.org>

Luca Giorgetti eligible until end of 2021
Chromosome structure / transcriptional regulation / epigenetics / physical modeling / genomics
<http://www.fmi.ch/research/groupleader/?group=134>

Manuel Irimia eligible until end of 2021
Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment
http://crg.eu/manuel_irimia

Shalev Itzkovitz eligible until end of 2019
Systems biology / design principles / single molecule imaging / stem cell biology / metabolism
<http://www.weizmann.ac.il/weizsites/shalev/>

Chiea Chuen Khor eligible until end of 2019
Germline DNA / molecular genetics / genetic association / next generation sequencing / genome-wide association studies
http://www.a-star.edu.sg/gis/our-people/investigator-details.aspx?source=faculty_member&user_id=139

Romain Koszul eligible until end of 2019
Chromosome organization & dynamics / Hi-C / *Saccharomyces cerevisiae* / synthetic chromosome / genome assembly / DNA replication / meta3C
<https://research.pasteur.fr/en/team/spatial-regulation-of-genomes/>

Ana Claudia Marques eligible until end of 2020
Intergenic lncRNAs / noncoding RNAs / genomics / regulation of gene product abundance
<https://www.unil.ch/dgm/en/home/menuinst/research-groups/ana-marques.html>

Elizabeth Murchison eligible until end of 2022
Transmissible cancer / Tasmanian devils / dogs / cancer genomics / evolutionary biology
<http://www.tcg.vet.cam.ac.uk>

Alvaro Rada-Iglesias eligible until end of 2021
Enhancers / chromatin / congenital disease / development / pluripotency / differentiation / disease modelling / competence

Schraga Schwartz eligible until end of 2021
RNA modifications / RNA structure-function / epitranscriptome / regulation of gene expression
<http://www.weizmann.ac.il/molgen/Schwartz/>

Noam Stern-Ginossar eligible until end of 2021
Herpesviruses / gene expression / viral host interactions / RNA / translation regulation
<http://www.weizmann.ac.il/molgen/ginossar/>

Joanna Sulkowska eligible until end of 2022
Structural biology / protein dynamics / computational biology / statistical physics / knots / non-trivial topology
<http://jsulkowska.cent.uw.edu.pl/>

Igor Ulitsky eligible until end of 2020
Long noncoding RNAs / gene regulation / computational biology / stem cells / chromatin
<http://webhome.weizmann.ac.il/home/igoru/>

Dario Riccardo Valenzano eligible until end of 2021
Ageing / microbiome / microbiota / genome evolution / population genetics / adaptive immunity / longevity /

model organisms
<https://www.age.mpg.de/>

Louis Vermeulen

eligible until end of 2021

Stem cells / cancer / tumor evolution / cancer heterogeneity / molecular subtypes / intestine
<http://tinyurl.com/vermeulenlab>

Immunology

Andrea Alimonti

eligible until end of 2019

Senescence / cancer / PTEN / tumor immunology / myeloid cells
<http://ior.iosi.ch/site/>

Karin De Visser

eligible until end of 2019

Cancer / immunology / tumor microenvironment / mouse models / inflammation
<http://www.nki.nl/divisions/immunology/de-visser-k-group/>

Katie Doores

eligible until end of 2021

Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doors/index.aspx>

Matteo Iannacone

eligible until end of 2019

Imaging / lymphocyte / infection / liver / lymph nodes
<http://www.iannaconelab.com>

Nicole Joller

eligible until end of 2022

Immune regulation/regulatory T cells/host-pathogen interaction/adaptive immunity/checkpoint inhibitors
<http://www.immunology.uzh.ch/joller>

Nolwenn Jouvenet

eligible until end of 2019

Viruses / live attenuated viral vaccines / antiviral immunity / virus-host interactions / RNA virus biology
<https://research.pasteur.fr/en/member/nolwenn-jouvenet/>

Yogesh Kulathu

eligible until end of 2019

Ubiquitin / T lymphocytes / deubiquitinase / structural biology / protein degradation
<http://www.ppu.mrc.ac.uk/research/?pid=1001>

Michelle Linterman

eligible until end of 2020

Germinal centre / follicular helper T cells / vaccination / ageing / antibodies / follicular regulatory T cells
<http://www.babraham.ac.uk/our-research/lymphocyte/michelle-linterman>

Dahai Luo

eligible until end of 2021

RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.ntu.edu.sg/home/luodahai/Dahai-Lab.htm>

Hendrik Poeck

eligible until end of 2021

Innate immune signaling / cancer immunology & resistance / allogeneic stem cell transplantation / intestinal stem cells
<http://www.med3.med.tum.de/forschung/Grundlagenforschung/Tumorimmunologie/haaspoeck.html>

Jan Rehwinkel

eligible until end of 2020

Innate immunity / type I interferons / RIG-I / cGAS / SAMHD1
<http://www.rdm.ox.ac.uk/principal-investigators/researcher/jan-rehwinkel>

Suzan Rooijackers

eligible until end of 2020

Bacteria / complement / antibody therapy / immune system / infection
<http://evansiontrecht.nl/themes/suzan-rooijackers-bacteria-complement/>

Ziv Shulman

eligible until end of 2022

Antibodies, germinal centers, B cells, imaging, adaptive immunity
<http://www.weizmann.ac.il/immunology/Shulman/>

Membranes & Transport

Marek Basler

eligible until end of 2019

Bacterial secretion systems / cell-cell interactions / membrane translocation / imaging / protein structure
<http://www.biozentrum.unibas.ch/basler/>

Priscille Brodin

eligible until end of 2019

Mycobacteria / macrophages / phagosome / neurons / cellular signalling
<http://u1019.lille.inserm.fr/recherche/brodin/>

Jeremy Carlton

eligible until end of 2020

Cell biology / ESCRT / nuclear envelope / cytokinesis / endosome
<https://www.crick.ac.uk/research/a-z-researchers/researchers-a-c/jeremy-carlton/>

Ana Jesus Garcia Saez

eligible until end of 2020

Programmed cell death / single molecule microscopy / functional & live cell microscopy / membrane biophysics
<http://www.ifib.uni-tuebingen.de/research/garcia-saez.html>

Gaëlle Legube

eligible until end of 2019

DNA repair / chromatin / recombination / nuclear organization / transcription
<http://cbi-toulouse.fr/fr/equipe-legube>

Naoko Mizuno

eligible until end of 2019

Cryo-EM / microtubule cytoskeleton / membrane dynamics / +TIPs / focal adhesion
<https://www.biochem.mpg.de/en/rg/mizuno>

Anthony Roberts

eligible until end of 2022

Dynein/kinesin/microtubule/cilia/intraflagellar transport
<http://www.roberts-lab.com>

Carmine Settembre

eligible until end of 2020

Autophagy / lysosome / skeleton / genetic disorders / signaling
<http://www.tigem.it/research/faculty/settembre#>

Microbiology, Virology & Pathogens

Marek Basler eligible until end of 2019
Bacterial secretion systems / cell-cell interactions / membrane translocation / imaging / protein structure
<http://www.biozentrum.unibas.ch/basler/>

David Bikard eligible until end of 2022
CRISPR-Cas / Bacteriophage / Synthetic Biology / High-throughput screens / DNA repair
<https://research.pasteur.fr/en/team/synthetic-biology/>

Mathieu Brochet eligible until end of 2022
Malaria parasites / transmission / intracellular signalling / cell cycle / erythrocytic development
<https://www.unige.ch/medecine/mimo/en/groupes/math/>

Priscille Brodin eligible until end of 2019
Mycobacteria / macrophages / phagosome / neurons / cellular signalling
<http://u1019.lille.inserm.fr/recherche/brodin/>

Filipe Cabreiro eligible until end of 2021
Host-microbe interactions / microbiota / C. elegans / pharmacology / nutrition / ageing / cancer
<http://www.cabreiolab.org>

Katie Doores eligible until end of 2021
Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doores/index.aspx>

Thijs Ettema eligible until end of 2019
Microbial evolution & diversity / metagenomics / phylogenomics / tree of life / archaea / origin of eukaryotes / endosymbiosis / eukaryogenesis
<http://www.ettemalab.org/>

Ana Eulalio eligible until end of 2019
microRNA / host-pathogen interaction / high-throughput screening / deep-sequencing / bacterial pathogenesis
<http://www.imib-wuerzburg.de/research/eulalio/group-leader/>

Matteo Iannacone eligible until end of 2019
Imaging / lymphocyte / infection / liver / lymph nodes
<http://www.iannaconelab.com>

Axel Innis eligible until end of 2021
Ribosome / arrest peptides / protein synthesis / translation / antibiotics / antimicrobial peptides / gene regulation / metabolite sensing
<http://www.innislab.org>

Nolwenn Jouvenet eligible until end of 2019
Viruses / live attenuated viral vaccines / antiviral immunity / virus-host interactions / RNA virus biology
<https://research.pasteur.fr/en/member/nolwenn-jouvenet/>

Taco Kooij eligible until end of 2022
malaria/mitochondria/apicoplast/experimental genetics/microscopy
<https://tacokooij.wordpress.com>

Romain Koszul eligible until end of 2019
Chromosome organization & dynamics / Hi-C / Saccharomyces cerevisiae / synthetic chromosome / genome assembly / DNA replication / meta3C
<https://research.pasteur.fr/en/team/spatial-regulation-of-genomes/>

Dahai Luo eligible until end of 2021
RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.ntu.edu.sg/home/luodahai/Dahai-Lab.htm>

Hendrik Poeck eligible until end of 2021
Innate immune signaling / cancer immunology & resistance / allogeneic stem cell transplantation / intestinal

stem cells
<http://www.med3.med.tum.de/forschung/Grundlagenforschung/Tumorimmunologie/haaspoeck.html>

Jan Rehwinkel eligible until end of 2020
Innate immunity / type I interferons / RIG-I / cGAS / SAMHD1
<http://www.rdm.ox.ac.uk/principal-investigators/researcher/jan-rehwinkel>

Suzan Rooijackers eligible until end of 2020
Bacteria / complement / antibody therapy / immune system / infection
<http://evasionutrecht.nl/themes/suzan-rooijackers-bacteria-complement/>

Noam Stern-Ginossar eligible until end of 2021
Herpesviruses / gene expression / viral host interactions / RNA / translation regulation
<http://www.weizmann.ac.il/molgen/ginossar/>

Molecular Medicine

Andrea Alimonti eligible until end of 2019
Senescence / cancer / PTEN / tumor immunology / myeloid cells
<http://ior.iosi.ch/site/>

Polly Lei Lei Chen eligible until end of 2022
RNA editing/ADARs/Transcriptome/Cancer
<https://www.csi.nus.edu.sg/ws/team/pi/chen-leilei-polly>

Katie Doores eligible until end of 2021
Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doors/index.aspx>

Pablo Huertas eligible until end of 2019
Homologous recombination / non-homologous end-joining / DNA repair / DNA double strand breaks / cancer
<http://www.cabimer.es/web/en/dept/ctrm/dna-double-strand-break-repair-and-human-disease/>

Chiea Chuen Khor eligible until end of 2019
Germline DNA / molecular genetics / genetic association / next generation sequencing / genome-wide association studies
http://www.a-star.edu.sg/gis/our-people/investigator-details.aspx?source=faculty_member&user_id=139

Hind Medyouf eligible until end of 2022
Leukaemia/Microenvironment/Bone Marrow/Cross-talk/Therapy
<http://www.georg-speyer-haus.de/en/research/research-groups/medyouf/research.html>

Magdalini Polymenidou eligible until end of 2021
Neurodegeneration / ALS / FTD / RNA-binding proteins / TDP-43 / FUS / DPRs / phase separation / protein aggregation / prion-like
<http://www.ims.uzh.ch/polymenidou>

Guadalupe Sabio eligible until end of 2021
Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>

Manuel Valiente eligible until end of 2022
Brain/ metastasis/ glia/ microenvironment/ immune system
<http://valientelab.com/>

Louis Vermeulen eligible until end of 2021
Stem cells / cancer / tumor evolution / cancer heterogeneity / molecular subtypes / intestine
<http://tinyurl.com/vermeulenlab>

Neuroscience

Tom Baden

Vision, Retina, Evolution, Neuronal Computation, Colour Vision
<http://www.badenlab.org>

eligible until end of 2022

Manuel Irimia

Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment
http://crg.eu/manuel_irimia

eligible until end of 2021

Miratul Muqit

PINK1 / protein kinase / phosphorylation / Parkin / ubiquitin / Rab GTPases / Parkinson's disease
<https://www.ppu.mrc.ac.uk/research/principal-investigator/miratul-muqit>

eligible until end of 2020

Magdalini Polymenidou

Neurodegeneration / ALS / FTD / RNA-binding proteins / TDP-43 / FUS / DPRs / phase separation / protein aggregation / prion-like
<http://www.imls.uzh.ch/polymenidou>

eligible until end of 2021

Nathalie Rochefort

visual cortex / in vivo 2-photon imaging / awake behaving mouse / inhibitory neurons / dendrites
<https://www.ed.ac.uk/discovery-brain-sciences/our-staff/research-groups/nathalie-rochefort>

eligible until end of 2022

Elena Seiradake

Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system
<http://seiradake.web.ox.ac.uk>

eligible until end of 2021

Claire Wyart

Optogenetics / zebrafish neural circuits / sensory-motor control / cerebrospinal fluid / organogenesis.
<http://wyartlab.org/fr>

eligible until end of 2020

Plant Biology

Isabel Bäurle

Chromatin / stress adaptation / heat / transposable elements / plant
<https://baurlelab.wordpress.com/>

eligible until end of 2019

Emmanuelle Bayer

intercellular communication/ plasmodesmata/ membrane contact site/ membrane lipid
<http://www.biomemb.cnrs.fr/spip.php?article153&lang=en>

eligible until end of 2022

Xiaoqi Feng

epigenetics / germline / plants / reproductive development / reprogramming
<https://www.jic.ac.uk/directory/xiaoqi-feng/#>

eligible until end of 2022

Proteins & Biochemistry

Stefan Ameres

eligible until end of 2020

RNA silencing / small RNAs / post-transcriptional gene regulation / RNA metabolism / epitranscriptome / RNP enzymology

<http://www.imba.oeaw.ac.at/research/stefan-ameres/>

Katie Doores

eligible until end of 2021

Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation

<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doores/index.aspx>

Axel Innis

eligible until end of 2021

Ribosome / arrest peptides / protein synthesis / translation / antibiotics / antimicrobial peptides / gene regulation / metabolite sensing

<http://www.innislab.org>

Martin Jinek

eligible until end of 2019

Structural biology / RNA / macromolecular complexes / gene expression / CRISPR-Cas / RNA metabolism / genome editing

<https://www.bioc.uzh.ch/research/research-groups/jinek/>

Yogesh Kulathu

eligible until end of 2019

Ubiquitin / T lymphocytes / deubiquitinase / structural biology / protein degradation

<http://www.ppu.mrc.ac.uk/research/?pid=1001>

Sonja Lorenz

eligible until end of 2021

Posttranslational modification / ubiquitin / X-ray crystallography / NMR / cryo-EM / enzyme mechanism / ligase / E3 enzyme / HECT

http://virchow-zentrum.uni-wuerzburg.de/lab_pages/slorenz/

Ivan Matic

eligible until end of 2022

ADP-ribosylation/proteomics/DNA repair

<https://www.age.mpg.de/science/research-labs/matic/>

Joao Matos

eligible until end of 2021

DNA repair / homologous recombination / structure-selective endonucleases / meiosis / chromosome segregation

<http://www.bc.biol.ethz.ch/research/matos.html>

Naoko Mizuno

eligible until end of 2019

Cryo-EM / microtubule cytoskeleton / membrane dynamics / +TIPs / focal adhesion

<https://www.biochem.mpg.de/en/rg/mizuno>

Miratul Muqit

eligible until end of 2020

PINK1 / protein kinase / phosphorylation / Parkin / ubiquitin / Rab GTPases / Parkinson's disease

<https://www.ppu.mrc.ac.uk/research/principal-investigator/miratul-muqit>

John O'Neill

eligible until end of 2020

Circadian rhythm / biological clock / metabolic oscillation

Vladimir Pena

eligible until end of 2021

Pre-mRNA splicing / chromatin / polyadenylation / alternative splicing / cancer biology / gene expression

<https://www.mpibpc.mpg.de/pena>

Magdalini Polymenidou

eligible until end of 2021

Neurodegeneration / ALS / FTD / RNA-binding proteins / TDP-43 / FUS / DPRs / phase separation / protein aggregation / prion-like

<http://www.imls.uzh.ch/polymenidou>

Minhajuddin Sirajuddin

eligible until end of 2020

Cytoskeleton / microtubule post-translation modifications / motor proteins / acto-myosin / sarcomere assembly

<http://cytoskeleton-lab.org>

Joanna Sulkowska

Structural biology / protein dynamics / computational biology / statistical physics / knots / non-trivial topology

<http://jsulkowska.cent.uw.edu.pl/>

eligible until end of 2022

Alessandro Vannini

Gene transcription / RNA polymerase III / tRNAs / genome organisation / cancer

<http://www.icr.ac.uk/alessandrovannini>

eligible until end of 2019

Julie Welburn

Microtubule, Kinetochore, Motor, Cell biology, Structural biology

<http://welburn.bio.ed.ac.uk>

eligible until end of 2022

RNA

Stefan Ameres

eligible until end of 2020

RNA silencing / small RNAs / post-transcriptional gene regulation / RNA metabolism / epitranscriptome / RNP enzymology
<http://www.imba.oeaw.ac.at/research/stefan-ameres/>

Jeffrey Chao

eligible until end of 2021

Translation / mRNA degradation / mRNA localization / RNA-protein complexes / single-molecule microscopy
<http://www.fmi.ch/research/groupleader/?group=132>

Maria Luisa Cochella

eligible until end of 2021

Cell differentiation / neuronal differentiation / microRNAs / transcriptional priming / *C. elegans*
<http://www.imp.ac.at/research/research-groups/cochella-group/>

Ana Eulalio

eligible until end of 2019

microRNA / host-pathogen interaction / high-throughput screening / deep-sequencing / bacterial pathogenesis
<http://www.imib-wuerzburg.de/research/eulalio/group-leader/>

Manuel Irimia

eligible until end of 2021

Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment
http://crg.eu/manuel_irimia

Martin Jinek

eligible until end of 2019

Structural biology / RNA / macromolecular complexes / gene expression / CRISPR-Cas / RNA metabolism / genome editing
<https://www.bioc.uzh.ch/research/research-groups/jinek/>

Grzegorz Kudla

eligible until end of 2020

Saturation mutagenesis / codon usage / RNA structure / fitness landscape / RNA-RNA interactions
<http://www.ed.ac.uk/mrc-human-genetics-unit/research/kudla-group>

Ana Claudia Marques

eligible until end of 2020

Intergenic lncRNAs / noncoding RNAs / genomics / regulation of gene product abundance
<https://www.unil.ch/dgm/en/home/menuinst/research-groups/ana-marques.html>

Vladimir Pena

eligible until end of 2021

Pre-mRNA splicing / chromatin / polyadenylation / alternative splicing / cancer biology / gene expression
<https://www.mpibpc.mpg.de/pena>

Jan Rehwinkel

eligible until end of 2020

Innate immunity / type I interferons / RIG-I / cGAS / SAMHD1
<http://www.rdm.ox.ac.uk/principal-investigators/researcher/jan-rehwinkel>

Schraga Schwartz

eligible until end of 2021

RNA modifications / RNA structure-function / epitranscriptome / regulation of gene expression
<http://www.weizmann.ac.il/molgen/Schwartz/>

Noam Stern-Ginossar

eligible until end of 2021

Herpesviruses / gene expression / viral host interactions / RNA / translation regulation
<http://www.weizmann.ac.il/molgen/ginossar/>

Igor Ulitsky

eligible until end of 2020

Long noncoding RNAs / gene regulation / computational biology / stem cells / chromatin
<http://webhome.weizmann.ac.il/home/igoru/>

Yue Wan

eligible until end of 2021

Genomics / RNA / structure / technology / high throughput sequencing / interactome
<http://ywanlab.com>

Signal Transduction

- Andrea Alimonti** eligible until end of 2019
Senescence / cancer / PTEN / tumor immunology / myeloid cells
<http://ior.iosi.ch/site/>
-
- Priscille Brodin** eligible until end of 2019
Mycobacteria / macrophages / phagosome / neurons / cellular signalling
<http://u1019.lille.inserm.fr/recherche/brodin/>
-
- Nolwenn Jouvenet** eligible until end of 2019
Viruses / live attenuated viral vaccines / antiviral immunity / virus-host interactions / RNA virus biology
<https://research.pasteur.fr/en/member/nolwenn-jouvenet/>
-
- Yogesh Kulathu** eligible until end of 2019
Ubiquitin / T lymphocytes / deubiquitinase / structural biology / protein degradation
<http://www.ppu.mrc.ac.uk/research/?pid=1001>
-
- Sonja Lorenz** eligible until end of 2021
Posttranslational modification / ubiquitin / X-ray crystallography / NMR / cryo-EM / enzyme mechanism / ligase / E3 enzyme / HECT
http://virchow-zentrum.uni-wuerzburg.de/lab_pages/slorenz/
-
- Patrick Müller** eligible until end of 2021
Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<http://www.fml.tuebingen.mpg.de/mueller-group.html>
-
- Miratul Muqit** eligible until end of 2020
PINK1 / protein kinase / phosphorylation / Parkin / ubiquitin / Rab GTPases / Parkinson's disease
<https://www.ppu.mrc.ac.uk/research/principal-investigator/miratul-muqit>
-
- John O'Neill** eligible until end of 2020
Circadian rhythm / biological clock / metabolic oscillation
-
- Pere Roca-Cusachs** eligible until end of 2020
Mechanobiology / mechanotransduction / integrins / cell adhesion / biophysics / cytoskeleton
<http://www.ibebarcelona.eu/cellmolmech>
-
- Guadalupe Sabio** eligible until end of 2021
Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>
-
- Elena Seiradake** eligible until end of 2021
Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system
<http://seiradake.web.ox.ac.uk>
-
- Arun Shukla** eligible until end of 2021
Structural biology / cellular signaling / membrane proteins / GPCRs / drug discovery / synthetic & chemical biology
<https://sites.google.com/site/laboratoryofgpcrbiology/>
-
- Louis Vermeulen** eligible until end of 2021
Stem cells / cancer / tumor evolution / cancer heterogeneity / molecular subtypes / intestine
<http://tinyurl.com/vermeulenlab>
-
- Claire Wyart** eligible until end of 2020
Optogenetics / zebrafish neural circuits / sensory-motor control / cerebrospinal fluid / organogenesis.
<http://wyartlab.org/fr>
-

Structural Biology & Biophysics

Bungo Akiyoshi eligible until end of 2020
Kinetochore / mitosis / chromosome / trypanosome / kinetoplastid / centromere / Trypanosoma brucei
<http://www.bioch.ox.ac.uk/aspsite/index.asp?pageid=951>

Marek Basler eligible until end of 2019
Bacterial secretion systems / cell-cell interactions / membrane translocation / imaging / protein structure
<http://www.biozentrum.unibas.ch/basler/>

Jeffrey Chao eligible until end of 2021
Translation / mRNA degradation / mRNA localization / RNA-protein complexes / single-molecule microscopy
<http://www.fmi.ch/research/groupleader/?group=132>

Alan Cheung eligible until end of 2022
Coactivator/transcription/chromatin/structural biology/DNA repair
<http://cheunglab.net>

Sebastian Deindl eligible until end of 2022
chromatin remodeling / ATPase / structure / single molecule / allosteric regulation
<http://deindl-lab.com>

Ana Jesus Garcia Saez eligible until end of 2020
Programmed cell death / single molecule microscopy / functional & live cell microscopy / membrane biophysics
<http://www.ifib.uni-tuebingen.de/research/garcia-saez.html>

Axel Innis eligible until end of 2021
Ribosome / arrest peptides / protein synthesis / translation / antibiotics / antimicrobial peptides / gene regulation / metabolite sensing
<http://www.innislab.org>

Martin Jinek eligible until end of 2019
Structural biology / RNA / macromolecular complexes / gene expression / CRISPR-Cas / RNA metabolism / genome editing
<https://www.bioc.uzh.ch/research/research-groups/jinek/>

Sonja Lorenz eligible until end of 2021
Posttranslational modification / ubiquitin / X-ray crystallography / NMR / cryo-EM / enzyme mechanism / ligase / E3 enzyme / HECT
http://virchow-zentrum.uni-wuerzburg.de/lab_pages/slorenz/

Dahai Luo eligible until end of 2021
RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.ntu.edu.sg/home/luodahai/Dahai-Lab.htm>

Naoko Mizuno eligible until end of 2019
Cryo-EM / microtubule cytoskeleton / membrane dynamics / +TIPs / focal adhesion
<https://www.biochem.mpg.de/en/rg/mizuno>

Vladimir Pena eligible until end of 2021
Pre-mRNA splicing / chromatin / polyadenylation / alternative splicing / cancer biology / gene expression
<https://www.mpibpc.mpg.de/pena>

Paola Picotti eligible until end of 2019
Protein aggregation / Parkinson's disease / proteomics / systems biology / structural biology
<http://www.bc.biol.ethz.ch/research/picotti.html>

Martin Pilhofer eligible until end of 2022
multiscale models/bacterial cell-cell interactions/macromolecular machines/secretion systems/cryo-electron microscopy
<http://www.pilhoferlab.ethz.ch/>

Pere Roca-Cusachs

eligible until end of 2020

Mechanobiology / mechanotransduction / integrins / cell adhesion / biophysics / cytoskeleton
<http://www.ibebarcelona.eu/cellmolmech>

Elena Seiradake

eligible until end of 2021

Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system
<http://seiradake.web.ox.ac.uk>

Arun Shukla

eligible until end of 2021

Structural biology / cellular signaling / membrane proteins / GPCRs / drug discovery / synthetic & chemical biology
<https://sites.google.com/site/laboratoryofgpcrbiology/>

Minhajuddin Sirajuddin

eligible until end of 2020

Cytoskeleton / microtubule post-translation modifications / motor proteins / acto-myosin / sarcomere assembly
<http://cytoskeleton-lab.org>

Joanna Sulkowska

eligible until end of 2022

Structural biology / protein dynamics / computational biology / statistical physics / knots / non-trivial topology
<http://jsulkowska.cent.uw.edu.pl/>

Alessandro Vannini

eligible until end of 2019

Gene transcription / RNA polymerase III / tRNAs / genome organisation / cancer
<http://www.icr.ac.uk/alessandrovannini>

Systems Biology

Filipe Cabreiro

eligible until end of 2021

Host-microbe interactions / microbiota / *C. elegans* / pharmacology / nutrition / ageing / cancer
<http://www.cabreirolab.org>

Ana Eulalio

eligible until end of 2019

microRNA / host-pathogen interaction / high-throughput screening / deep-sequencing / bacterial pathogenesis
<http://www.imib-wuerzburg.de/research/eulalio/group-leader/>

Shalev Itzkovitz

eligible until end of 2019

Systems biology / design principles / single molecule imaging / stem cell biology / metabolism
<http://www.weizmann.ac.il/weizsites/shalev/>

Grzegorz Kudla

eligible until end of 2020

Saturation mutagenesis / codon usage / RNA structure / fitness landscape / RNA-RNA interactions
<http://www.ed.ac.uk/mrc-human-genetics-unit/research/kudla-group>

Martin Lenz

eligible until end of 2020

Cytoskeleton / actomyosin contractility / cellular mechanics / self-organization / theory
<http://ptms.u-psud.fr/membres/mlenz/>

Patrick Müller

eligible until end of 2021

Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<http://www.fml.tuebingen.mpg.de/mueller-group.html>

Paola Picotti

eligible until end of 2019

Protein aggregation / Parkinson's disease / proteomics / systems biology / structural biology
<http://www.bc.biol.ethz.ch/research/picotti.html>

Schraga Schwartz

eligible until end of 2021

RNA modifications / RNA structure-function / epitranscriptome / regulation of gene expression
<http://www.weizmann.ac.il/molgen/Schwartz/>

Yue Wan

eligible until end of 2021

Genomics / RNA / structure / technology / high throughput sequencing / interactome
<http://ywanlab.com>

Hyun Youk

eligible until end of 2022

Dormancy / Spores / Cell signaling / Mathematical models / Embryonic stem cells
<http://www.youklab.org>
