

EMBO Young Investigators eligible for YIP Lectures in 2021

Cell Cycle

Bungo Akiyoshi

Kinetochore / mitosis / chromosome / trypanosome / kinetoplastid / centromere / Trypanosoma brucei

<https://www.bioch.ox.ac.uk/research/akiyoshi>

eligible until end of 2021

Jeremy Carlton

Cell biology / ESCRT / nuclear envelope / cytokinesis / endosome

<https://www.crick.ac.uk/research/a-z-researchers/researchers-a-c/jeremy-carlton/>

eligible until end of 2021

Alejo Efeyan

Nutrients / metabolism / aging / mTOR / mouse genetics

<https://aefeyan.wixsite.com/efeyanlab>

eligible until end of 2024

Daniele Fachinetti

Genome instability / mitosis / chromosome / epigenetics / centromere

<https://science.institut-curie.org/team-fachinetti>

eligible until end of 2024

Elif Firat-Karalar

Centrosome / primary cilium / motile cilia / centriolar satellites / ciliopathies / microtubules / proximity labeling

<https://mysite.ku.edu.tr/ekaralar/>

eligible until end of 2024

Paul Guichard

Centriole / cilia / microtubule / cryo-tomography / super-resolution microscopy

<https://cellbio.unige.ch/research/paul-guichard/>

eligible until end of 2024

Joao Matos

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

eligible until end of 2022

Kikue Tachibana-Konwalski

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

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

eligible until end of 2022

Marvin Tanenbaum

RNA / translation / single-molecule imaging

<http://www.tanenbaumlab.org>

eligible until end of 2024

Julie Welburn

Microtubules / kinetochores / structural biology / kinesin / mitosis / cellular organization

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

eligible until end of 2024

Cell & Tissue Architecture

Igor Adameyko eligible until end of 2021
Craniofacial development / cartilage / innervation / stem cells / embryo / shape / Schwann cells / neural crest
<https://ki.se/en/people/igoada>

Leila Akkari eligible until end of 2024
Tumor microenvironment / macrophages / therapy / mouse models / anti-tumor immunity
<http://www.akkariilab.com>

Bert De Rybel eligible until end of 2024
Plant vascular development / cell division orientation / evo-devo / transcription factor networks / auxin-cytokinin
<https://www.psb.ugent.be/vascular-development>

Benjamin D. Engel eligible until end of 2024
Cryo-electron tomography / membrane architecture / phase separation / photosynthesis / carbon fixation

Xiaoqi Feng eligible until end of 2023
Epigenetics / germline / development / chromatin / plants / reproduction / cellular communication / stress response
<https://www.jjc.ac.uk/people/dr-xiaoqi-feng/>

Elif Firat-Karalar eligible until end of 2024
Centrosome / primary cilium / motile cilia / centriolar satellites / ciliopathies / microtubules / proximity labeling
<https://mysite.ku.edu.tr/ekaralar/>

Yaron Fuchs eligible until end of 2024
Apoptosis / cell death / stem cell / regeneration
<https://yfuchs.net.technion.ac.il>

Jerome Gros eligible until end of 2021
Morphogenesis / limb / gastrulation / chick / imaging
<https://research.pasteur.fr/en/member/jerome-gros/>

Paul Guichard eligible until end of 2024
Centriole / cilia / microtubule / cryo-tomography / super-resolution microscopy
<https://cellbio.unige.ch/research/paul-guichard/>

Martin Guilliams eligible until end of 2024
Macrophage / Kupffer cell / niche / development / tissue-imprinting / regeneration / liver
<http://tp://www.vib.be/en/research/scientists/Pages/Martin-Guilliams-Lab.aspx>

Annika Guse eligible until end of 2021
Cell biology / symbiosis / emerging models / phagocytosis / coordination of cell function / nutrient exchange
<http://guselab.de>

Meritxell Huch eligible until end of 2024
Organoids / liver / cancer / regeneration / development
<https://www.mpi-cbg.de/research-groups/current-groups/>

Wanda Kukulski eligible until end of 2024
In-situ membrane structure / organelle contact sites / mitochondrial membrane dynamics / correlative microscopy / electron cryo-tomography
https://www.ibmm.unibe.ch/research/group_kukulski/index_eng.html

Martin Lenz eligible until end of 2021
Cytoskeleton / actomyosin contractility / cellular mechanics / self-organization / theory

<http://ptms.u-psud.fr/membres/mlenz/>

Prisca Liberali

Stem cells / organoids / symmetry breaking / quantitative imaging / single cell methods
<http://www.liberalilab.com>

eligible until end of 2024

Jean-Léon Maître

Morphogenesis / cell and tissue mechanics / adhesion / cytoskeleton / biofluid dynamics
<https://science.institut-curie.org/team-maitre>

eligible until end of 2024

Yanlan Mao

Growth / tissue mechanics / regeneration / computer modelling / wound healing
<http://www.ucl.ac.uk/lmcb/research-group/yanlan-mao-research-group>

eligible until end of 2024

Nuria Montserrat

Human pluripotent stem cells / organoids / kidney
<http://www.ibecbarcelona.eu/iPSCs>

eligible until end of 2024

Saravana Ramasamy

Bone microenvironment / physiology / blood vessels / ageing / repair
<http://ramasamylab.com>

eligible until end of 2024

Pere Roca-Cusachs

Mechanobiology / integrins / biophysics / extracellular matrix / actin
<http://www.ibecbarcelona.eu/cellmolmech>

eligible until end of 2021

Verena Ruprecht

Embryogenesis / cell migration / phagocytosis / mechanobiology / advanced fluorescence imaging
<https://www.crg.eu/en/programmes-groups/ruprecht-lab>

eligible until end of 2024

Hayley Sharpe

Tyrosine phosphatases / receptor signalling / redox biology / cancer / cell adhesion / signal transduction
<https://www.babraham.ac.uk/our-research/signalling/hayley-sharpe>

eligible until end of 2024

Cellular Metabolism

Filipe Cabreiro

eligible until end of 2022

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

Guoliang Cui

eligible until end of 2024

Immunology / CD8+ T cells / CD4+ T cells / infection / rare diseases
<https://www.dkfz.de/en/t-zell-metabolismus/index.php>

Alejo Efeyan

eligible until end of 2024

Nutrients / metabolism / aging / mTOR / mouse genetics
<https://aefeyan.wixsite.com/efeyanlab>

Xiaoqi Feng

eligible until end of 2023

Epigenetics / germline / development / chromatin / plants / reproduction / cellular communication / stress response
<https://www.jic.ac.uk/people/dr-xiaoqi-feng/>

Annika Guse

eligible until end of 2021

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

Ping-Chih Ho

eligible until end of 2024

Immunoediting / cancer immunology / immunometabolism / immunosurveillance / viral infection / adaptive immunity / innate immunity
<https://www.pingchihholab.com>

Siddhesh Kamat

eligible until end of 2024

Enzymes / metabolism / signalling lipids / chemical proteomics / lipidomics / metabolomics / mass spectrometry
<http://www.iiserpune.ac.in/~siddhesh>

John O'Neill

eligible until end of 2021

Daily rhythms / biological clocks / non-transcriptional oscillations / circadian cell biology / diurnal physiology
<https://www2.mrc-lmb.cam.ac.uk/groups/oneill/>

Bjørn Panyella Pedersen

eligible until end of 2024

Metabolite transport / sugar uptake / sterol uptake / structural biology / membrane proteins
<https://mbg.au.dk/bpp>

Guadalupe Sabio

eligible until end of 2022

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

Carmine Settembre

eligible until end of 2021

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

Chromatin & Transcription

Stefan Ameres

eligible until end of 2021

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

<https://www.maxperutzlabs.ac.at/research/research-groups/amerer>

Tuncay Baubec

eligible until end of 2024

Epigenetics / gene regulation / chromatin / quantitative biology / DNA methylation

<http://www.baubecclab.org>

Yosef Buganim

eligible until end of 2021

Embryonic stem cells / trophoblast stem cells / sex determination / reprogramming to pluripotency / direct conversion

<http://www.buganimlab.com/>

Ross Chapman

eligible until end of 2023

DNA repair / adaptive immunity / cancer / DNA double-strand breaks

<https://www.imm.ox.ac.uk/chapman-group>

Alan Cheung

eligible until end of 2023

Coactivator / transcription / chromatin / structural biology / genome biology / histone modifications / epigenetics

<http://www.cheunglab.net>

Maria Luisa Cochella

eligible until end of 2022

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 2021

Lineage progression / haematopoiesis / single-cell RNA-sequencing / cellular heterogeneity

<http://www.haem.cam.ac.uk/staff/senior-staff/dr-ana-cvejic/>

Sebastian Deindl

eligible until end of 2023

Chromatin remodeling / ATPase / structure / single molecule / allosteric regulation / nucleic acid interacting protein machines

<http://deindl-lab.com>

Ines Anna Drinnenberg

eligible until end of 2024

Chromosome segregation / evolution / kinetochore / holocentromere / genome architecture

<http://drinnenberg-lab.com>

Daniele Fachinetti

eligible until end of 2024

Genome instability / mitosis / chromosome / epigenetics / centromere

<https://science.institut-curie.org/team-fachinetti>

Xiaoqi Feng

eligible until end of 2023

Epigenetics / germline / development / chromatin / plants / reproduction / cellular communication / stress response

<https://www.jic.ac.uk/people/dr-xiaoqi-feng/>

Luca Giorgetti

eligible until end of 2022

Chromosome structure / transcriptional regulation / epigenetics / physical modeling / genomics

<http://www.fmi.ch/research/groupleader/?group=134>

Nicola Iovino

eligible until end of 2022

Epigenetics / gametes / development / embryogenesis / fertilization

<http://www.ie-freiburg.mpg.de/iovino>

Martijn Luijsterburg

eligible until end of 2024

Transcription / DNA damage / genetic screens / proteomics / cell biology

<http://www.lumc.nl/luijsterburglab>

Sebastian Marquardt

eligible until end of 2024

Chromatin / transcription / non-coding RNA / epigenetics / environment / plant biology / biotechnology
<https://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/>

Daniel Messerschmidt

eligible until end of 2022

Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
https://www.researchgate.net/scientific-contributions/405759_Daniel_M_Messerschmidt

Randall J. Platt

eligible until end of 2024

Gene editing / CRISPR-Cas / synthetic biology / functional genomics / molecular medicine / cell-based diagnostics
<http://www.platt.ethz.ch>

Sophie Polo

eligible until end of 2022

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

Alvaro Rada-Iglesias

eligible until end of 2022

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

Peter Sarkies

eligible until end of 2023

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

Julian Stingele

eligible until end of 2024

Genome stability / DNA repair / DNA-protein crosslinks / SPRTN protease / endogenous DNA damage
<https://www.genzentrum.uni-muenchen.de/research-groups/stingele>

Kikue Tachibana-Konwalski

eligible until end of 2022

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

Development

Igor Adameyko

eligible until end of 2021

Craniofacial development / cartilage / innervation / stem cells / embryo / shape / Schwann cells / neural crest
<https://ki.se/en/people/igoad>

Emmanuelle Bayer

eligible until end of 2023

Intercellular communication / plasmodesmata / plant development / membrane contact site / lipids / electron tomography
<http://www.biomemb.cnrs.fr/spip.php?article153&lang=en>

Sam Behjati

eligible until end of 2024

Cancer / somatic mutation / single cell RNA sequencing / childhood cancer
<http://www.sanger.ac.uk>

Yosef Buganim

eligible until end of 2021

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

Cécile Charrier

eligible until end of 2024

Synapse / synaptogenesis / synaptic plasticity / human brain evolution / postsynaptic scaffold / neuron / dendrite
<https://www.ibens.ens.fr/spip.php?article167>

Maria Luisa Cochella

eligible until end of 2022

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 2021

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

Bert De Rybel

eligible until end of 2024

Plant vascular development / cell division orientation / evo-devo / transcription factor networks / auxin-cytokinin
<https://www.psb.ugent.be/vascular-development>

Xiaoqi Feng

eligible until end of 2023

Epigenetics / germline / development / chromatin / plants / reproduction / cellular communication / stress response
<https://www.jic.ac.uk/people/dr-xiaoqi-feng/>

Mina Gouti

eligible until end of 2024

Neuromuscular system development / neuromesodermal progenitors / neuromuscular organoids / neuromuscular junction / disease modelling.
<http://www.mdc-berlin.de/gouti>

Jerome Gros

eligible until end of 2021

Morphogenesis / limb / gastrulation / chick / imaging
<https://research.pasteur.fr/en/member/jerome-gros/>

Martin Guilliams

eligible until end of 2024

Macrophage / Kupffer cell / niche / development / tissue-imprinting / regeneration / liver
<http://tp://www.vib.be/en/research/scientists/Pages/Martin-Guilliams-Lab.aspx>

Edouard Hannezo

eligible until end of 2024

Theoretical biophysics / tissue mechanics / cytoskeleton / stem cell fate / branching morphogenesis / reaction-diffusion
<https://hannezo.pages.ist.ac.at/>

Yen-Ping Hsueh

eligible until end of 2024

C. elegans / nematode-trapping fungi / predator-prey coevolution / ascarosides / signaling
<http://www.imb.sinica.edu.tw/en/research/faculty/ypenping.html>

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Meritzell Huch		eligible until end of 2024
Organoids / liver / cancer / regeneration / development https://www.mpi-cbg.de/research-groups/current-groups/		
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Nicola Iovino		eligible until end of 2022
Epigenetics / gametes / development / embryogenesis / fertilization http://www.ie-freiburg.mpg.de/iovino		
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Manuel Irimia		eligible until end of 2022
Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment http://crg.eu/manuel_irimia		
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Jan Philipp Junker		eligible until end of 2024
Single-cell genomics / lineage tracing / zebrafish / development / regeneration / variability / computational biology https://junkerlab.com		
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Madeline Lancaster		eligible until end of 2024
Organoids / brain / neuron / connectivity / evolution https://www2.mrc-lmb.cam.ac.uk/madeline-lancaster/		
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Prisca Liberali		eligible until end of 2024
Stem cells / organoids / symmetry breaking / quantitative imaging / single cell methods http://www.liberalilab.com		
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Hansong Ma		eligible until end of 2024
Mitochondrial DNA / heteroplasmy transmission / mtDNA repair / maternal inheritance / mitochondrial quality control https://www.gurdon.cam.ac.uk/research/ma		
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Jean-Léon Maître		eligible until end of 2024
Morphogenesis / cell and tissue mechanics / adhesion / cytoskeleton / biofluid dynamics https://science.institut-curie.org/team-maitre		
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Yanlan Mao		eligible until end of 2024
Growth / tissue mechanics / regeneration / computer modelling / wound healing http://www.ucl.ac.uk/lmcb/research-group/yanlan-mao-research-group		
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Daniel Messerschmidt		eligible until end of 2022
Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation https://www.researchgate.net/scientific-contributions/405759_Daniel_M_Messerschmidt		
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Nuria Montserrat		eligible until end of 2024
Human pluripotent stem cells / organoids / kidney http://www.ibebarcelona.eu/iPSCs		
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Patrick Müller		eligible until end of 2022
Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics http://www.fml.tuebingen.mpg.de/mueller-group.html		
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Andrea Pauli		eligible until end of 2023
Zebrafish / short ORFs / fertilization / sperm-egg interaction / early embryogenesis http://paulilab.org		
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Alvaro Rada-Iglesias		eligible until end of 2022
Enhancers / chromatin / congenital disease / development / pluripotency / differentiation / disease modelling / competence		
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Nathalie Rochefort		eligible until end of 2023

Visual cortex / in-vivo two-photon imaging / awake behaving mouse / inhibitory neurons / dendrites / neuronal circuits / plasticity / calcium imaging

<https://www.ed.ac.uk/discovery-brain-sciences/our-staff/research-groups/nathalie-rochefort>

Verena Ruprecht

eligible until end of 2024

Embryogenesis / cell migration / phagocytosis / mechanobiology / advanced fluorescence imaging

<https://www.crg.eu/en/programmes-groups/ruprecht-lab>

Elena Seiradake

eligible until end of 2023

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

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

Carmine Settembre

eligible until end of 2021

Autophagy / lysosome / skeleton / genetic disorders / signaling

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

Kikue Tachibana-Konwalski

eligible until end of 2022

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

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

Barbara Treutlein

eligible until end of 2025

Single-cell genomics / organoids / human development / stem cells / regeneration

<http://www.bsse.ethz.ch/qdb>

Claire Wyart

eligible until end of 2021

Locomotion / spinal cord / motor circuits / sensorimotor integration / cerebrospinal fluid / spine organogenesis / body axis formation

<https://wyartlab.org>

Differentiation & Death

Yaron Fuchs

eligible until end of 2024

Apoptosis / cell death / stem cell / regeneration

<https://yfuchs.net.technion.ac.il>

Ana Jesus Garcia Saez

eligible until end of 2021

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

<https://www.cecad.uni-koeln.de/research/principal-investigators/prof-dr-ana-j-garcia-saez/>

Michelle Linterman

eligible until end of 2021

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

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

Elodie Segura

eligible until end of 2024

Human / monocyte / dendritic cell / macrophage / aryl hydrocarbon receptor

<http://esegura-lab.org>

Genome Stability & Dynamics

- Ross Chapman** eligible until end of 2023
DNA repair / adaptive immunity / cancer / DNA double-strand breaks
<https://www.imm.ox.ac.uk/chapman-group>
-
- Julien Duxin** eligible until end of 2024
DNA replication / DNA repair / DNA-protein crosslinks / translesion DNA synthesis
<https://www.cpr.ku.dk/research/proteinsignaling/duxin-group/>
-
- Daniele Fachinetti** eligible until end of 2024
Genome instability / mitosis / chromosome / epigenetics / centromere
<https://science.institut-curie.org/team-fachinetti>
-
- Martijn Luijsterburg** eligible until end of 2024
Transcription / DNA damage / genetic screens / proteomics / cell biology
<http://www.lumc.nl/luijsterburglab>
-
- Hansong Ma** eligible until end of 2024
Mitochondrial DNA / heteroplasmy transmission / mtDNA repair / maternal inheritance / mitochondrial quality control
<https://www.gurdon.cam.ac.uk/research/ma>
-
- Sebastian Marquardt** eligible until end of 2024
Chromatin / transcription / non-coding RNA / epigenetics / environment / plant biology / biotechnology
<https://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/>
-
- Ivan Matic** eligible until end of 2023
ADP-ribosylation / proteomics / chemical biology / PARP-1 / DNA repair / histones
<https://www.age.mpg.de/science/research-labs/matic/>
-
- Joao Matos** eligible until end of 2022
DNA repair / homologous recombination / structure-selective endonucleases / meiosis / chromosome segregation
-
- Daniel Messerschmidt** eligible until end of 2022
Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
https://www.researchgate.net/scientific-contributions/405759_Daniel_M_Messerschmidt
-
- Elizabeth Murchison** eligible until end of 2023
Transmissible cancer / Tasmanian devils / dogs / cancer genomics / evolutionary biology
<http://www.tcg.vet.cam.ac.uk>
-
- Sophie Polo** eligible until end of 2022
Chromatin dynamics / UV damage repair / epigenome integrity / histone variants / histone modifications
<http://parisepigenetics.com/ei-en/>
-
- Peter Sarkies** eligible until end of 2023
Epigenetics / evolution / small RNAs / piRNAs / DNA methylation
<https://lms.mrc.ac.uk/research-group/transgenerational-epigenetic-inheritance-evolution/>
-
- Julian Stingle** eligible until end of 2024
Genome stability / DNA repair / DNA-protein crosslinks / SPRTN protease / endogenous DNA damage
<https://www.genzentrum.uni-muenchen.de/research-groups/stingle>
-
- Kikue Tachibana-Konwalski** eligible until end of 2022
Totipotency / zygotes / epigenetic reprogramming / chromatin / genome organization / meiosis / oocytes
<https://www.imba.oeaw.ac.at/research/kikue-tachibana/>
-
- Joseph Yeeles** eligible until end of 2024
DNA replication / chromosome replication / replisome / DNA repair / DNA helicase / DNA polymerase

Genomic & Computational Biology

Tuncay Baubec

eligible until end of 2024

Epigenetics / gene regulation / chromatin / quantitative biology / DNA methylation
<http://www.baubeclab.org>

Sam Behjati

eligible until end of 2024

Cancer / somatic mutation / single cell RNA sequencing / childhood cancer
<http://www.sanger.ac.uk>

Petter Brodin

eligible until end of 2024

Systems immunology / pediatrics / computational biology / mass cytometry / single-cell biology
<https://brodinlab.com/>

Ana Cvejic

eligible until end of 2021

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 2021

Phylogenetics / bioinformatics / comparative genomics / sequence analysis / orthology / tree of life
<http://lab.dessimoz.org>

Ines Anna Drinnenberg

eligible until end of 2024

Chromosome segregation / evolution / kinetochore / holocentromere / genome architecture
<http://drinnenberg-lab.com>

Luca Giorgetti

eligible until end of 2022

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

Marc Güell

eligible until end of 2024

Synthetic biology / gene editing / gene therapy / microbiome
<https://www.upf.edu/en/web/synbio>

Manuel Irimia

eligible until end of 2022

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

Jan Philipp Junker

eligible until end of 2024

Single-cell genomics / lineage tracing / zebrafish / development / regeneration / variability / computational biology
<https://junkerslab.com>

Taco Kooij

eligible until end of 2023

Malaria / parasite / mitochondria / membrane proteins / host-microbe interactions / transmission / experimental genetics
<https://tacokooij.wordpress.com>

Ana Claudia Marques

eligible until end of 2021

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

Nicholas McGranahan

eligible until end of 2024

Cancer / evolution / genomics / bioinformatics / immune
<https://www.ucl.ac.uk/cancer/research/department-oncology/cancer-genome-evolution-research-group>

Elizabeth Murchison

eligible until end of 2023

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

Alvaro Rada-Iglesias

eligible until end of 2022

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

Schraga Schwartz

eligible until end of 2022

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

Noam Stern-Ginossar

eligible until end of 2022

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

Joanna Sulkowska

eligible until end of 2023

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

Fran Supek

eligible until end of 2024

Mutagenesis / DNA repair / selection / gene function / genome evolution / machine learning / biostatistics
<https://agendas.irbbarcelona.org/>

Barbara Treutlein

eligible until end of 2025

Single-cell genomics / organoids / human development / stem cells / regeneration
<http://www.bsse.ethz.ch/qdb>

Igor Ulitsky

eligible until end of 2021

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

Dario Riccardo Valenzano

eligible until end of 2022

Ageing / microbiome / microbiota / genome evolution / population genetics / adaptive immunity / longevity / model organisms
<https://www.age.mpg.de/>

Louis Vermeulen

eligible until end of 2022

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

Immunology

- Leila Akkari** eligible until end of 2024
Tumor microenvironment / macrophages / therapy / mouse models / anti-tumor immunity
<http://www.akkarilab.com>
-
- Petter Brodin** eligible until end of 2024
Systems immunology / pediatrics / computational biology / mass cytometry / single-cell biology
<https://brodinlab.com/>
-
- Ross Chapman** eligible until end of 2023
DNA repair / adaptive immunity / cancer / DNA double-strand breaks
<https://www.imm.ox.ac.uk/chapman-group>
-
- Guoliang Cui** eligible until end of 2024
Immunology / CD8+ T cells / CD4+ T cells / infection / rare diseases
<https://www.dkfz.de/en/t-zell-metabolismus/index.php>
-
- Katie Doores** eligible until end of 2022
Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doores/index.aspx>
-
- Martin Guilliams** eligible until end of 2024
Macrophage / Kupffer cell / niche / development / tissue-imprinting / regeneration / liver
<http://tp://www.vib.be/en/research/scientists/Pages/Martin-Guilliams-Lab.aspx>
-
- Ping-Chih Ho** eligible until end of 2024
Immunoediting / cancer immunology / immunometabolism / immunosurveillance / viral infection / adaptive immunity / innate immunity
<https://www.pingchihholab.com>
-
- Nicole Joller** eligible until end of 2023
Immune regulation / regulatory T cells / host-pathogen interaction / adaptive immunity / checkpoint inhibitors
<http://www.immunology.uzh.ch/joller>
-
- Michelle Linterman** eligible until end of 2021
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 2022
RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.lkcmecine.ntu.edu.sg/aboutus/Faculty-and-Staff/Pages/Luo-Dahai.aspx>
-
- Hind Medyouf** eligible until end of 2023
Leukaemia / microenvironment / bone marrow / cross-talk / therapy / metastasis / immune-escape
<http://www.georg-speyer-haus.de/en/research/research-groups/medyouf/research.html>
-
- Hendrik Poeck** eligible until end of 2022
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 2021
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 2021
Bacteria / complement / antibody therapy / immune system / infection
<http://evasionutrecht.nl/themes/suzan-rooijackers-bacteria-complement/>
-
- Elodie Segura** eligible until end of 2024
Human / monocyte / dendritic cell / macrophage / aryl hydrocarbon receptor
<http://esegura-lab.org>

Ziv Shulman

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

eligible until end of 2023

Manuel Valiente

Brain / metastasis / glia / microenvironment / immune system / STAT3 / colonization / therapy / resistance
<http://valientelab.com/>

eligible until end of 2023

Membranes & Transport

Emmanuelle Bayer

eligible until end of 2023

Intercellular communication / plasmodesmata / plant development / membrane contact site / lipids / electron tomography

<http://www.biomemb.cnrs.fr/spip.php?article153&lang=en>

Jeremy Carlton

eligible until end of 2021

Cell biology / ESCRT / nuclear envelope / cytokinesis / endosome

<https://www.crick.ac.uk/research/a-z-researchers/researchers-a-c/jeremy-carlton/>

Cécile Charrier

eligible until end of 2024

Synapse / synaptogenesis / synaptic plasticity / human brain evolution / postsynaptic scaffold / neuron / dendrite

<https://www.ibens.ens.fr/spip.php?article167>

Ana Jesus Garcia Saez

eligible until end of 2021

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

<https://www.cecad.uni-koeln.de/research/principal-investigators/prof-dr-ana-j-garcia-saez/>

Wanda Kukulski

eligible until end of 2024

In-situ membrane structure / organelle contact sites / mitochondrial membrane dynamics / correlative microscopy / electron cryo-tomography

https://www.ibmm.unibe.ch/research/group_kukulski/index_eng.html

Bjørn Panyella Pedersen

eligible until end of 2024

Metabolite transport / sugar uptake / sterol uptake / structural biology / membrane proteins

<https://mbg.au.dk/bpp>

Camilo Perez

eligible until end of 2024

Gram-positive bacteria / cell wall / teichoic acids / membrane proteins / lipids transport

<https://www.biozentrum.unibas.ch/research/researchgroups/overview/unit/perez/>

Anthony Roberts

eligible until end of 2023

Dynein / kinesin / motor proteins / microtubule / cilia / intraflagellar transport

<http://www.roberts-lab.com>

Andela Saric

eligible until end of 2024

Biological physics / membrane remodelling / protein assembly / amyloid aggregation / computer simulations

<http://andelasaric.com>

Carmine Settembre

eligible until end of 2021

Autophagy / lysosome / skeleton / genetic disorders / signaling

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

Marvin Tanenbaum

eligible until end of 2024

RNA / translation / single-molecule imaging

<http://www.tanenbaumlab.org>

Nicholas M. I. Taylor

eligible until end of 2024

Cryo-electron microscopy / membrane transport / contractile injection systems / targeted delivery / structural biology

<https://www.cpr.ku.dk/research/protein-structure-function-program/taylor/>

Julie Welburn

eligible until end of 2024

Microtubules / kinetochores / structural biology / kinesin / mitosis / cellular organization

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

Microbiology, Virology & Pathogens

- Tanmay Bharat** eligible until end of 2024
Structural biology / electron cryomicroscopy / electron cryotomography / microbiology / biofilms
<https://bharat.path.ox.ac.uk/>
-
- David Bikard** eligible until end of 2023
CRISPR-Cas / bacteriophage / synthetic biology / high-throughput screens / DNA repair
<https://research.pasteur.fr/en/team/synthetic-biology/>
-
- Mathieu Brochet** eligible until end of 2023
Malaria parasites / intracellular signalling / second messengers / cell cycle
<https://www.unige.ch/medecine/mimo/en/groupes/math/>
-
- Filipe Cabreiro** eligible until end of 2022
Host-microbe interactions / microbiota / C. elegans / pharmacology / nutrition / ageing / cancer
<http://www.cabreiolab.org>
-
- Guoliang Cui** eligible until end of 2024
Immunology / CD8+ T cells / CD4+ T cells / infection / rare diseases
<https://www.dkfz.de/en/t-zell-metabolismus/index.php>
-
- Katie Doores** eligible until end of 2022
Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doores/index.aspx>
-
- Yen-Ping Hsueh** eligible until end of 2024
C. elegans / nematode-trapping fungi / predator-prey coevolution / ascarosides / signaling
<http://www.imb.sinica.edu.tw/en/research/faculty/ypenping.html>
-
- Axel Innis** eligible until end of 2022
Ribosome / arrest peptides / protein synthesis / translation / antibiotics / antimicrobial peptides / gene regulation / metabolite sensing
<http://www.innislab.org>
-
- Nicole Joller** eligible until end of 2023
Immune regulation / regulatory T cells / host-pathogen interaction / adaptive immunity / checkpoint inhibitors
<http://www.immunology.uzh.ch/joller>
-
- Taco Kooij** eligible until end of 2023
Malaria / parasite / mitochondria / membrane proteins / host-microbe interactions / transmission / experimental genetics
<https://tacokooij.wordpress.com>
-
- Martin Loose** eligible until end of 2024
Self-organization / bacterial cell division / in-vitro reconstitution
<http://looselab.org>
-
- Dahai Luo** eligible until end of 2022
RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.lkcmedicine.ntu.edu.sg/aboutus/Faculty-and-Staff/Pages/Luo-Dahai.aspx>
-
- Martin Pilhofer** eligible until end of 2023
Multiscale models / bacterial cell-cell interactions / macromolecular machines / secretion systems / cryo-electron microscopy
<http://www.pilhoferlab.ethz.ch/>
-
- Hendrik Poeck** eligible until end of 2022
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 2021

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

Suzan Rooijackers

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

eligible until end of 2021

Antoine-Emmanuel Saliba

Host-pathogen interactions / single-cell RNA-seq / bacteria
<https://www.helmholtz-hiri.de/en/research/organisation/teams/team/single-cell-analysis/>

eligible until end of 2024

Noam Stern-Ginossar

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

eligible until end of 2022

Molecular Medicine

- Petter Brodin** eligible until end of 2024
Systems immunology / pediatrics / computational biology / mass cytometry / single-cell biology
<https://brodinlab.com/>
-
- Debojyoti Chakraborty** eligible until end of 2024
CRISPR / gene therapy / stem cells / hemoglobinopathies / base editors
<http://rnabiologylab.com>
-
- Ross Chapman** eligible until end of 2023
DNA repair / adaptive immunity / cancer / DNA double-strand breaks
<https://www.imm.ox.ac.uk/chapman-group>
-
- Polly Lei Lei Chen** eligible until end of 2023
RNA editing / ADARs / transcriptome / cancer
<https://www.csi.nus.edu.sg/web/chen-leilei-polly/>
-
- Katie Doores** eligible until end of 2022
Vaccine / virus / glycobiology / neutralizing antibody / HIV / protein glycosylation
<http://www.kcl.ac.uk/lsm/research/divisions/dioid/departments/infectious/research/doores/index.aspx>
-
- Yaron Fuchs** eligible until end of 2024
Apoptosis / cell death / stem cell / regeneration
<https://yfuchs.net.technion.ac.il>
-
- Ping-Chih Ho** eligible until end of 2024
Immunoediting / cancer immunology / immunometabolism / immunosurveillance / viral infection / adaptive immunity / innate immunity
<https://www.pingchihholab.com>
-
- Siddhesh Kamat** eligible until end of 2024
Enzymes / metabolism / signalling lipids / chemical proteomics / lipidomics / metabolomics / mass spectrometry
<http://www.iiserpune.ac.in/~siddhesh>
-
- Hind Medyouf** eligible until end of 2023
Leukaemia / microenvironment / bone marrow / cross-talk / therapy / metastasis / immune-escape
<http://www.georg-speyer-haus.de/en/research/research-groups/medyouf/research.html>
-
- Randall J. Platt** eligible until end of 2024
Gene editing / CRISPR-Cas / synthetic biology / functional genomics / molecular medicine / cell-based diagnostics
<http://www.platt.ethz.ch>
-
- Magdalini Polymenidou** eligible until end of 2022
Neurodegeneration / ALS / FTD / RNA-binding proteins / TDP-43 / FUS / DPRs / phase separation / protein aggregation / prion-like
<http://www.imls.uzh.ch/polymenidou>
-
- Saravana Ramasamy** eligible until end of 2024
Bone microenvironment / physiology / blood vessels / ageing / repair
<http://ramasamylab.com>
-
- Guadalupe Sabio** eligible until end of 2022
Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>
-
- Luca Tiberi** eligible until end of 2024
Brain cancer / organoids / neural stem cell
<https://armenise.hms.harvard.edu/faculty-staff/luca-tiberi>
-
- Manuel Valiente** eligible until end of 2023

Brain / metastasis / glia / microenvironment / immune system / STAT3 / colonization / therapy / resistance
<http://valientelab.com/>

Louis Vermeulen

eligible until end of 2022

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

Neuroscience

Tom Baden

eligible until end of 2023

Vision / retina / evolution / neuronal computation / colour vision
<http://www.badenlab.org>

Cécile Charrier

eligible until end of 2024

Synapse / synaptogenesis / synaptic plasticity / human brain evolution / postsynaptic scaffold / neuron / dendrite
<https://www.ibens.ens.fr/spip.php?article167>

Mina Gouti

eligible until end of 2024

Neuromuscular system development / neuromesodermal progenitors / neuromuscular organoids / neuromuscular junction / disease modelling.
<http://www.mdc-berlin.de/gouti>

Manuel Irimia

eligible until end of 2022

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

Madeline Lancaster

eligible until end of 2024

Organoids / brain / neuron / connectivity / evolution
<https://www2.mrc-lmb.cam.ac.uk/madeline-lancaster/>

Miratul Muqit

eligible until end of 2021

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

Magdalini Polymenidou

eligible until end of 2022

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

Nathalie Rochefort

eligible until end of 2023

Visual cortex / in-vivo two-photon imaging / awake behaving mouse / inhibitory neurons / dendrites / neuronal circuits / plasticity / calcium imaging
<https://www.ed.ac.uk/discovery-brain-sciences/our-staff/research-groups/nathalie-rochefort>

Elena Seiradake

eligible until end of 2023

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

Luca Tiberi

eligible until end of 2024

Brain cancer / organoids / neural stem cell
<https://armenise.hms.harvard.edu/faculty-staff/luca-tiberi>

Manuel Valiente

eligible until end of 2023

Brain / metastasis / glia / microenvironment / immune system / STAT3 / colonization / therapy / resistance
<http://valientelab.com/>

Claire Wyart

eligible until end of 2021

Locomotion / spinal cord / motor circuits / sensorimotor integration / cerebrospinal fluid / spine organogenesis / body axis formation
<https://wyartlab.org>

Plant Biology

Emmanuelle Bayer

eligible until end of 2023

Intercellular communication / plasmodesmata / plant development / membrane contact site / lipids / electron tomography

<http://www.biomemb.cnrs.fr/spip.php?article153&lang=en>

Bert De Rybel

eligible until end of 2024

Plant vascular development / cell division orientation / evo-devo / transcription factor networks / auxin-cytokinin

<https://www.psb.ugent.be/vascular-development>

Benjamin D. Engel

eligible until end of 2024

Cryo-electron tomography / membrane architecture / phase separation / photosynthesis / carbon fixation

Xiaoqi Feng

eligible until end of 2023

Epigenetics / germline / development / chromatin / plants / reproduction / cellular communication / stress response

<https://www.jic.ac.uk/people/dr-xiaoqi-feng/>

Julia Santiago

eligible until end of 2024

Membrane receptor / cell wall / structural biology / signalling / signal transduction

<https://www.unil.ch/dbmv/en/home/menuinst/research-and-teaching/recherche/prof-julia-santiago-cuellar.html>

Proteins & Biochemistry

Stefan Ameres

eligible until end of 2021

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

<https://www.maxperutzlabs.ac.at/research/research-groups/ameress>

Alexey Amunts

eligible until end of 2024

Protein synthesis / mitochondria / bioenergetics / chloroplast

<https://www.scilifelab.se/researchers/alexey-amunts/>

Simon Bekker-Jensen

eligible until end of 2024

Cell stress / MAP kinases / p38 / protein translation / ageing

<https://icmm.ku.dk/english/research-groups/bekker-jensen-group/>

Björn Burmann

eligible until end of 2024

Nuclear magnetic resonance / molecular machines / protein quality control / multimeric proteases / in-cell and in-situ approaches

<https://wcmtm.gu.se/research-groups/burmann>

Debojyoti Chakraborty

eligible until end of 2024

CRISPR / gene therapy / stem cells / hemoglobinopathies / base editors

<http://rnabiologylab.com>

Alan Cheung

eligible until end of 2023

Coactivator / transcription / chromatin / structural biology / genome biology / histone modifications / epigenetics

<http://www.cheunglab.net>

Katie Doores

eligible until end of 2022

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

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

Julien Duxin

eligible until end of 2024

DNA replication / DNA repair / DNA-protein crosslinks / translesion DNA synthesis

<https://www.cpr.ku.dk/research/proteinsignaling/duxin-group/>

Elif Firat-Karalar

eligible until end of 2024

Centrosome / primary cilium / motile cilia / centriolar satellites / ciliopathies / microtubules / proximity labeling

<https://mysite.ku.edu.tr/ekaralar/>

Axel Innis

eligible until end of 2022

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

<http://www.innislab.org>

Siddhesh Kamat

eligible until end of 2024

Enzymes / metabolism / signalling lipids / chemical proteomics / lipidomics / metabolomics / mass spectrometry

<http://www.iiserpune.ac.in/~siddhesh>

Martin Loose

eligible until end of 2024

Self-organization / bacterial cell division / in-vitro reconstitution

<http://looselab.org>

Sonja Lorenz

eligible until end of 2022

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

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

- Ivan Matic** eligible until end of 2023
ADP-ribosylation / proteomics / chemical biology / PARP-1 / DNA repair / histones
<https://www.age.mpg.de/science/research-labs/matic/>
-
- Joao Matos** eligible until end of 2022
DNA repair / homologous recombination / structure-selective endonucleases / meiosis / chromosome segregation
-
- Miratul Muqit** eligible until end of 2021
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 2021
Daily rhythms / biological clocks / non-transcriptional oscillations / circadian cell biology / diurnal physiology
<https://www2.mrc-lmb.cam.ac.uk/groups/oneill/>
-
- Andrea Pauli** eligible until end of 2023
Zebrafish / short ORFs / fertilization / sperm-egg interaction / early embryogenesis
<http://paulilab.org>
-
- Vladimir Pena** eligible until end of 2022
Pre-mRNA splicing / chromatin / polyadenylation / alternative splicing / cancer biology / gene expression
<https://www.icr.ac.uk/our-research/researchers-and-teams/professor-vlad-pena>
-
- Magdalini Polymenidou** eligible until end of 2022
Neurodegeneration / ALS / FTD / RNA-binding proteins / TDP-43 / FUS / DPRs / phase separation / protein aggregation / prion-like
<http://www.imls.uzh.ch/polymenidou>
-
- Anthony Roberts** eligible until end of 2023
Dynein / kinesin / motor proteins / microtubule / cilia / intraflagellar transport
<http://www.roberts-lab.com>
-
- Maria Robles** eligible until end of 2024
Chronobiology / proteomics / sleep / biochemistry
<https://www.imp.med.uni-muenchen.de/research/systems-chronobiology-robles/index.html>
-
- Pere Roca-Cusachs** eligible until end of 2021
Mechanobiology / integrins / biophysics / extracellular matrix / actin
<http://www.ibecbarcelona.eu/cellmolmech>
-
- Julia Santiago** eligible until end of 2024
Membrane receptor / cell wall / structural biology / signalling / signal transduction
<https://www.unil.ch/dbmv/en/home/menuinst/research-and-teaching/recherche/prof-julia-santiago-cuellar.html>
-
- Hayley Sharpe** eligible until end of 2024
Tyrosine phosphatases / receptor signalling / redox biology / cancer / cell adhesion / signal transduction
<https://www.babraham.ac.uk/our-research/signalling/hayley-sharpe>
-
- Minhajuddin Sirajuddin** eligible until end of 2021
Cytoskeleton / microtubule post-translation modifications / motor proteins / acto-myosin / sarcomere assembly
<http://cytoskeleton-lab.org>
-
- Joanna Sulkowska** eligible until end of 2023
Structural biology / protein dynamics / computational biology / statistical physics / knots / non-trivial topology
<http://jsulkowska.cent.uw.edu.pl/>
-
- Marvin Tanenbaum** eligible until end of 2024
RNA / translation / single-molecule imaging
<http://www.tanenbaumlab.org>
-

Julie Welburn

Microtubules / kinetochores / structural biology / kinesin / mitosis / cellular organization
<http://welburn.bio.ed.ac.uk>

eligible until end of 2024

Joseph Yeeles

DNA replication / chromosome replication / replisome / DNA repair / DNA helicase / DNA polymerase
<https://www2.mrc-lmb.cam.ac.uk/group-leaders/t-to-z/joseph-yeeles/>

eligible until end of 2024

RNA

Stefan Ameres

eligible until end of 2021

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

<https://www.maxperutzlabs.ac.at/research/research-groups/amerer>

Jeffrey Chao

eligible until end of 2022

Translation / mRNA degradation / mRNA localization / RNA-protein complexes / single-molecule microscopy

<http://www.fmi.ch/research/groupleader/?group=132>

Polly Lei Lei Chen

eligible until end of 2023

RNA editing / ADARs / transcriptome / cancer

<https://www.csi.nus.edu.sg/web/chen-leilei-polly/>

Maria Luisa Cochella

eligible until end of 2022

Cell differentiation / neuronal differentiation / microRNAs / transcriptional priming / C. elegans

<http://www.imp.ac.at/research/research-groups/cochella-group/>

Manuel Irimia

eligible until end of 2022

Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment

http://crg.eu/manuel_irimia

Grzegorz Kudla

eligible until end of 2021

Saturation mutagenesis / codon usage / RNA structure / fitness landscape / RNA-RNA interactions

<http://www.ed.ac.uk/mrc-human-genetics-unit/research/kudla-group>

Sebastian Marquardt

eligible until end of 2024

Chromatin / transcription / non-coding RNA / epigenetics / environment / plant biology / biotechnology

<https://cpsc.ku.dk/meet-the-scientists-page/sebastian-marquardts-group/>

Ana Claudia Marques

eligible until end of 2021

Intergenic lncRNAs / noncoding RNAs / genomics / regulation of gene product abundance

<https://www.unil.ch/dgm/en/home/menuinst/research-groups/ana-marques.html>

Andrea Pauli

eligible until end of 2023

Zebrafish / short ORFs / fertilization / sperm-egg interaction / early embryogenesis

<http://paulilab.org>

Vladimir Pena

eligible until end of 2022

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

<https://www.icr.ac.uk/our-research/researchers-and-teams/professor-vlad-pena>

Randall J. Platt

eligible until end of 2024

Gene editing / CRISPR-Cas / synthetic biology / functional genomics / molecular medicine / cell-based diagnostics

<http://www.platt.ethz.ch>

Jan Rehwinkel

eligible until end of 2021

Innate immunity / type I interferons / RIG-I / cGAS / SAMHD1

<http://www.rdm.ox.ac.uk/principal-investigators/researcher/jan-rehwinkel>

Antoine-Emmanuel Saliba

eligible until end of 2024

Host-pathogen interactions / single-cell RNA-seq / bacteria

<https://www.helmholtz-hiri.de/en/research/organisation/teams/team/single-cell-analysis/>

Peter Sarkies

eligible until end of 2023

Epigenetics / evolution / small RNAs / piRNAs / DNA methylation

<https://lms.mrc.ac.uk/research-group/transgenerational-epigenetic-inheritance-evolution/>

Schraga Schwartz

eligible until end of 2022

RNA modifications / RNA structure-function / epitranscriptome / regulation of gene expression

<http://www.weizmann.ac.il/molgen/Schwartz/>

Noam Stern-Ginossar

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

eligible until end of 2022

Marvin Tanenbaum

RNA / translation / single-molecule imaging
<http://www.tanenbaumlab.org>

eligible until end of 2024

Igor Ulitsky

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

eligible until end of 2021

Yue Wan

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

eligible until end of 2022

Signal Transduction

Leila Akkari eligible until end of 2024
Tumor microenvironment / macrophages / therapy / mouse models / anti-tumor immunity
<http://www.akkari-lab.com>

Simon Bekker-Jensen eligible until end of 2024
Cell stress / MAP kinases / p38 / protein translation / ageing
<https://icmm.ku.dk/english/research-groups/bekker-jensen-group/>

Mathieu Brochet eligible until end of 2023
Malaria parasites / intracellular signalling / second messengers / cell cycle
<https://www.unige.ch/medecine/mimo/en/groupes/math/>

Alejo Efeyan eligible until end of 2024
Nutrients / metabolism / aging / mTOR / mouse genetics
<https://aefeyan.wixsite.com/efeyanlab>

Martin Loose eligible until end of 2024
Self-organization / bacterial cell division / in-vitro reconstitution
<http://looselab.org>

Sonja Lorenz eligible until end of 2022
Posttranslational modification / ubiquitin / X-ray crystallography / NMR / cryo-EM / enzyme mechanism /
ligase / E3 enzyme / HECT
<https://www.mpibpc.mpg.de/lorenz>

Ivan Matic eligible until end of 2023
ADP-ribosylation / proteomics / chemical biology / PARP-1 / DNA repair / histones
<https://www.age.mpg.de/science/research-labs/matic/>

Hind Medyouf eligible until end of 2023
Leukaemia / microenvironment / bone marrow / cross-talk / therapy / metastasis / immune-escape
<http://www.georg-speyer-haus.de/en/research/research-groups/medyouf/research.html>

Patrick Müller eligible until end of 2022
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 2021
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 2021
Daily rhythms / biological clocks / non-transcriptional oscillations / circadian cell biology / diurnal physiology
<https://www2.mrc-lmb.cam.ac.uk/groups/oneill/>

Andrea Pauli eligible until end of 2023
Zebrafish / short ORFs / fertilization / sperm-egg interaction / early embryogenesis
<http://paulilab.org>

Pere Roca-Cusachs eligible until end of 2021
Mechanobiology / integrins / biophysics / extracellular matrix / actin
<http://www.ibecbarcelona.eu/cellmolmech>

Guadalupe Sabio eligible until end of 2022
Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>

Elena Seiradake eligible until end of 2023
Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system
<http://seiradake.web.ox.ac.uk>

Hayley Sharpe

eligible until end of 2024

Tyrosine phosphatases / receptor signalling / redox biology / cancer / cell adhesion / signal transduction
<https://www.babraham.ac.uk/our-research/signalling/hayley-sharpe>

Arun Shukla

eligible until end of 2022

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

Louis Vermeulen

eligible until end of 2022

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

Claire Wyart

eligible until end of 2021

Locomotion / spinal cord / motor circuits / sensorimotor integration / cerebrospinal fluid / spine organogenesis / body axis formation
<https://wyartlab.org>

Christoph Zechner

eligible until end of 2024

Stochastic biological systems / signal processing & control / statistics / single-cell data analysis
<http://zechnerlab.com>

Structural Biology & Biophysics

Bungo Akiyoshi

eligible until end of 2021

Kinetochore / mitosis / chromosome / trypanosome / kinetoplastid / centromere / Trypanosoma brucei
<https://www.bioch.ox.ac.uk/research/akiyoshi>

Alexey Amunts

eligible until end of 2024

Protein synthesis / mitochondria / bioenergetics / chloroplast
<https://www.scilifelab.se/researchers/alexey-amunts/>

Tanmay Bharat

eligible until end of 2024

Structural biology / electron cryomicroscopy / electron cryotomography / microbiology / biofilms
<https://bharat.path.ox.ac.uk/>

Björn Burmann

eligible until end of 2024

Nuclear magnetic resonance / molecular machines / protein quality control / multimeric proteases / in-cell and in-situ approaches
<https://wcmtrm.gu.se/research-groups/burmann>

Jeffrey Chao

eligible until end of 2022

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 2023

Coactivator / transcription / chromatin / structural biology / genome biology / histone modifications / epigenetics
<http://www.cheunglab.net>

Sebastian Deindl

eligible until end of 2023

Chromatin remodeling / ATPase / structure / single molecule / allosteric regulation / nucleic acid interacting protein machines
<http://deindl-lab.com>

Benjamin D. Engel

eligible until end of 2024

Cryo-electron tomography / membrane architecture / phase separation / photosynthesis / carbon fixation

Ana Jesus Garcia Saez

eligible until end of 2021

Programmed cell death / single molecule microscopy / functional & live cell microscopy / membrane biophysics
<https://www.cecad.uni-koeln.de/research/principal-investigators/prof-dr-ana-j-garcia-saez/>

Paul Guichard

eligible until end of 2024

Centriole / cilia / microtubule / cryo-tomography / super-resolution microscopy
<https://cellbio.unige.ch/research/paul-guichard/>

Edouard Hannezo

eligible until end of 2024

Theoretical biophysics / tissue mechanics / cytoskeleton / stem cell fate / branching morphogenesis / reaction-diffusion
<https://hannezo.pages.ist.ac.at/>

Axel Innis

eligible until end of 2022

Ribosome / arrest peptides / protein synthesis / translation / antibiotics / antimicrobial peptides / gene regulation / metabolite sensing
<http://www.innislab.org>

Sonja Lorenz

eligible until end of 2022

Posttranslational modification / ubiquitin / X-ray crystallography / NMR / cryo-EM / enzyme mechanism / ligase / E3 enzyme / HECT
<https://www.mpibpc.mpg.de/lorenz>

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Dahai Luo RNA / protein / biochemistry / structural biology / virology / innate immunity http://www.lkcmedicine.ntu.edu.sg/aboutus/Faculty-and-Staff/Pages/Luo-Dahai.aspx	eligible until end of 2022
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Jean-Léon Maître Morphogenesis / cell and tissue mechanics / adhesion / cytoskeleton / biofluid dynamics https://science.institut-curie.org/team-maitre	eligible until end of 2024
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Yanlan Mao Growth / tissue mechanics / regeneration / computer modelling / wound healing http://www.ucl.ac.uk/lmcb/research-group/yanlan-mao-research-group	eligible until end of 2024
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Bjørn Panyella Pedersen Metabolite transport / sugar uptake / sterol uptake / structural biology / membrane proteins https://mbg.au.dk/bpp	eligible until end of 2024
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Vladimir Pena Pre-mRNA splicing / chromatin / polyadenylation / alternative splicing / cancer biology / gene expression https://www.icr.ac.uk/our-research/researchers-and-teams/professor-vlad-pena	eligible until end of 2022
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Camilo Perez Gram-positive bacteria / cell wall / teichoic acids / membrane proteins / lipids transport https://www.biozentrum.unibas.ch/research/researchgroups/overview/unit/perez/	eligible until end of 2024
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Martin Pilhofer Multiscale models / bacterial cell-cell interactions / macromolecular machines / secretion systems / cryo-electron microscopy http://www.pilhoferlab.ethz.ch/	eligible until end of 2023
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Anthony Roberts Dynein / kinesin / motor proteins / microtubule / cilia / intraflagellar transport http://www.roberts-lab.com	eligible until end of 2023
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Pere Roca-Cusachs Mechanobiology / integrins / biophysics / extracellular matrix / actin http://www.ibecbarcelona.eu/cellmolmech	eligible until end of 2021
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Andela Saric Biological physics / membrane remodelling / protein assembly / amyloid aggregation / computer simulations http://andelasaric.com	eligible until end of 2024
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Elena Seiradake Cell guidance / cell adhesion / membrane receptor / adhesion GPCR / nervous system / vascular system http://seiradake.web.ox.ac.uk	eligible until end of 2023
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Arun Shukla Structural biology / cellular signaling / membrane proteins / GPCRs / drug discovery / synthetic & chemical biology https://sites.google.com/site/laboratoryofgpcrbiology/	eligible until end of 2022
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Minhajuddin Sirajuddin Cytoskeleton / microtubule post-translation modifications / motor proteins / acto-myosin / sarcomere assembly http://cytoskeleton-lab.org	eligible until end of 2021
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Joanna Sulkowska Structural biology / protein dynamics / computational biology / statistical physics / knots / non-trivial topology http://jsulkowska.cent.uw.edu.pl/	eligible until end of 2023
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Nicholas M. I. Taylor Cryo-electron microscopy / membrane transport / contractile injection systems / targeted delivery / structural biology	eligible until end of 2024

<https://www.cpr.ku.dk/research/protein-structure-function-program/taylor/>

Julie Welburn

eligible until end of 2024

Microtubules / kinetochores / structural biology / kinesin / mitosis / cellular organization

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

Joseph Yeeles

eligible until end of 2024

DNA replication / chromosome replication / replisome / DNA repair / DNA helicase / DNA polymerase

<https://www2.mrc-lmb.cam.ac.uk/group-leaders/t-to-z/joseph-yeeles/>

Systems Biology

- Tuncay Baubec** eligible until end of 2024
Epigenetics / gene regulation / chromatin / quantitative biology / DNA methylation
<http://www.baubeclab.org>
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- David Bikard** eligible until end of 2023
CRISPR-Cas / bacteriophage / synthetic biology / high-throughput screens / DNA repair
<https://research.pasteur.fr/en/team/synthetic-biology/>
-
- Filipe Cabreiro** eligible until end of 2022
Host-microbe interactions / microbiota / C. elegans / pharmacology / nutrition / ageing / cancer
<http://www.cabreiolab.org>
-
- Marc Güell** eligible until end of 2024
Synthetic biology / gene editing / gene therapy / microbiome
<https://www.upf.edu/en/web/synbio>
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- Edouard Hannezo** eligible until end of 2024
Theoretical biophysics / tissue mechanics / cytoskeleton / stem cell fate / branching morphogenesis / reaction-diffusion
<https://hannezo.pages.ist.ac.at/>
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- Jan Philipp Junker** eligible until end of 2024
Single-cell genomics / lineage tracing / zebrafish / development / regeneration / variability / computational biology
<https://junkerlab.com>
-
- Grzegorz Kudla** eligible until end of 2021
Saturation mutagenesis / codon usage / RNA structure / fitness landscape / RNA-RNA interactions
<http://www.ed.ac.uk/mrc-human-genetics-unit/research/kudla-group>
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- Martin Lenz** eligible until end of 2021
Cytoskeleton / actomyosin contractility / cellular mechanics / self-organization / theory
<http://ptms.u-psud.fr/membres/mlenz/>
-
- Prisca Liberali** eligible until end of 2024
Stem cells / organoids / symmetry breaking / quantitative imaging / single cell methods
<http://www.liberalilab.com>
-
- Nicholas McGranahan** eligible until end of 2024
Cancer / evolution / genomics / bioinformatics / immune
<https://www.ucl.ac.uk/cancer/research/department-oncology/cancer-genome-evolution-research-group>
-
- Patrick Müller** eligible until end of 2022
Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<http://www.fml.tuebingen.mpg.de/mueller-group.html>
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- Maria Robles** eligible until end of 2024
Chronobiology / proteomics / sleep / biochemistry
<https://www.imp.med.uni-muenchen.de/research/systems-chronobiology-robles/index.html>
-
- Schraga Schwartz** eligible until end of 2022
RNA modifications / RNA structure-function / epitranscriptome / regulation of gene expression
<http://www.weizmann.ac.il/molgen/Schwartz/>
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- Fran Supek** eligible until end of 2024
Mutagenesis / DNA repair / selection / gene function / genome evolution / machine learning / biostatistics
<https://agendas.irbbarcelona.org/>
-
- Barbara Treutlein** eligible until end of 2025
Single-cell genomics / organoids / human development / stem cells / regeneration
<http://www.bsse.ethz.ch/qdb>

Yue Wan

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

eligible until end of 2022

Christoph Zechner

Stochastic biological systems / signal processing & control / statistics / single-cell data analysis
<http://zechnerlab.com>

eligible until end of 2024