

EMBO Young Investigators eligible for YIP Lectures in 2022

Cell Cycle

Ines Anna Drinnenberg

eligible until end of 2025

Chromosome segregation / evolution / kinetochore / holocentromere / genome architecture

<http://drinnenberg-lab.com>

Alejo Efeyan

eligible until end of 2025

Nutrients / metabolism / aging / mTOR / mouse genetics

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

Daniele Fachinetti

eligible until end of 2024

Genome instability / mitosis / chromosome / epigenetics / centromere

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

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/>

Paul Guichard

eligible until end of 2024

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

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

Joao Matos

eligible until end of 2022

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

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

Kikue Tachibana-Konwalski

eligible until end of 2022

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

<https://www.biochem.mpg.de/tachibana>

Marvin Tanenbaum

eligible until end of 2024

Virus / RNA virus / viral replication / innate immune response / mRNA decay / translation / single-molecule imaging

<http://www.hubrecht.eu/research-groups/tanenbaum-group/>

Julie Welburn

eligible until end of 2024

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

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

Cell & Tissue Architecture

- Leila Akkari** eligible until end of 2026
Tumor microenvironment / macrophages / therapy / mouse models / anti-tumor immunity
<http://www.akkarilab.com>
-
- Elvan Böke** eligible until end of 2026
"Oocyte", "Proteostasis", "Mitochondria", "Longevity", "Dormancy"
<https://www.crg.eu/en/elvan-boke>
-
- 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 2025
Cryo-electron tomography / cryo-EM / visual proteomics / membrane architecture / phase separation / photosynthesis / carbon fixation / cilia
<https://www.cellarchlab.com/>
-
- 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>
-
- 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>
-
- 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
-
- Madeline Lancaster** eligible until end of 2024
Organoid / neural development / human / brain / evolution
<https://www2.mrc-lmb.cam.ac.uk/madeline-lancaster/>
-
- Prisca Liberali** eligible until end of 2024
Organoids / cell trajectories / mechanosensory triggers / multiscale imaging approaches / single cell omics
<http://www.liberalilab.org>
-
- Jean-Léon Maître** eligible until end of 2024
Morphogenesis / cell and tissue mechanics / adhesion / cytoskeleton / biofluid dynamics
<https://science.institut-curie.org/team-maitre>
-
- 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>

Nuria Montserrat

eligible until end of 2025

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

Saravana Ramasamy

eligible until end of 2025

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

Verena Ruprecht

eligible until end of 2025

Embryogenesis / mechanobiology / cell migration / cell signaling / biological self-organisation / advanced fluorescence microscopy
https://www.crg.eu/en/verena_ruprecht

Andela Saric

eligible until end of 2025

Biological physics / membrane remodelling / protein assembly / amyloid aggregation / computer simulations
<http://andelasaric.com>

Benjamin Schumann

eligible until end of 2025

Glycosylation/Protein engineering/Bioorthogonal/Posttranslational modifications/Enzymology
<https://www.crick.ac.uk/research/labs/ben-schumann>

Florian Schur

eligible until end of 2025

Cell migration/actin cytoskeleton/virus structure/cryo-electron tomography/method development
<https://schurlab.ist.ac.at/>

Hayley Sharpe

eligible until end of 2025

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

Luca Tiberi

eligible until end of 2025

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

Barbara Treutlein

eligible until end of 2025

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

David Zwicker

eligible until end of 2025

Biological physics / Theory / Self-Organization / Biomolecular Condensates
<http://www.zwickergroup.org>

Cellular Metabolism

Simon Bekker-Jensen

eligible until end of 2025

Cell stress / MAP kinases / p38 / JNK / protein translation / aging / metabolism
<https://icmm.ku.dk/english/research-groups/bekker-jensen-group/>

Elvan Böke

eligible until end of 2026

“Oocyte”, “Proteostasis”, “Mitochondria”, “Longevity”, “Dormancy”
<https://www.crg.eu/en/elvan-boke>

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 2025

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 2025

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/>

Lena Ho

eligible until end of 2025

Micropeptides/Mitochondria/Respiratory Chain/Innate Immunity/Base editing
<http://www.ho-lab.org>

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>

Christian Münch

eligible until end of 2025

proteostasis/protein quality control/mitochondrial unfolded protein response/signaling/quantitative proteomics
<http://pqc.biochem2.de>

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/>

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://parisepigenerics.com/ei-en/>

Alvaro Rada-Iglesias

eligible until end of 2022

Enhancers / chromatin / congenital disease / development / pluripotency / differentiation / disease modelling / competence
<https://web.unican.es/ibbttec/es-es/sobre-el-ibbttec/equipo/directorio/detalle-miembro?d=AlvaroRadaLab>

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/>

Edda Schulz

eligible until end of 2025

X-chromosome inactivation / Gene regulation / Mathematical Modeling / Gene-regulatory Networks / Epigenetics
<http://www.molgen.mpg.de/schulz-lab>

Julian Stingele

eligible until end of 2025

Genome stability / DNA repair / DNA-protein crosslinks / SPRTN / 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.biochem.mpg.de/tachibana>

Celine Vallot

eligible until end of 2025

Histone modifications / epigenome / cancer evolution / single-cell / resistance
<http://www.linkedin.com/in/celinevallot-institutcurie>

Christoph Zechner

eligible until end of 2025

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

Development

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 2025

Cancer / somatic mutation / single-cell RNA sequencing / childhood cancer

<https://www.sanger.ac.uk/person/behjati-sam/>

Nina Cabezas-Wallscheid

eligible until end of 2026

Stem cells/ hematopoiesis/ differentiation/ metabolism/ single-cell

<https://www.ie-freiburg.mpg.de/cabezas>

Gray Camp

eligible until end of 2025

Stem Cells/Organoids/Single-cell genomics/Human EvoDevo

<https://www.graycamplab.org/>

Debojyoti Chakraborty

eligible until end of 2025

CRISPR-Cas / gene editing / stem cells / organoids / hemoglobinopathies / diagnostics / therapeutic gene editing

<http://rnabiologylab.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>

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 2025

Neuromuscular organoids / neuromesodermal progenitors / neuromuscular junction / disease modelling / ALS / SMA

<http://www.mdc-berlin.de/gouti>

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 2025

Fungi-nematode interactions / C. elegans / nematode-trapping fungi / Pleurotus / predator-prey interactions & coevolution

<http://www.imb.sinica.edu.tw/en/research/faculty/ypenping.html>

Meritxell Huch

eligible until end of 2024

Organoids / liver / cancer / regeneration / development

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

Nicola Iovino

eligible until end of 2022

Epigenetics / gametes / development / embryogenesis / fertilization

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

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>

Felipe Karam Teixeira

eligible until end of 2025

Germ cells / Stem cells / Gene expression / Genome stability / Epigenetics
<https://karamateixeira.wixsite.com/website>

Mounia Lagha

eligible until end of 2025

transcription/translation/imaging/genetics/drosophila
<http://www.igmm.cnrs.fr/en/team/regulation-de-la-transcription-au-cours-du-developpement/>

Madeline Lancaster

eligible until end of 2024

Organoid / neural development / human / brain / evolution
<https://www2.mrc-lmb.cam.ac.uk/madeline-lancaster/>

Prisca Liberali

eligible until end of 2024

Organoids / cell trajectories / mechanosensory triggers / multiscale imaging approaches / single cell omics
<http://www.liberalilab.org>

Darío Lupiáñez

eligible until end of 2025

3D chromatin organization/long-range gene regulation/enhancers/development/evolution
<https://lupilab.wordpress.com/>

Hansong Ma

eligible until end of 2025

Mitochondrial DNA / heteroplasmy transmission / mtDNA repair / maternal inheritance / mitochondrial quality control
<https://www.gurdon.cam.ac.uk/research/ma>

Jean-Léon Maître

eligible until end of 2024

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

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>

Elvira Mass

eligible until end of 2025

Macrophage/Hematopoiesis/Developmental programming/metabolic syndrome/neurological disorder
<https://www.limes-institut-bonn.de/en/research/research-departments/unit-1/mass-lab/>

Daniel Messerschmidt

eligible until end of 2022

Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
<http://www.developmental-epigenetics.com>

Nuria Montserrat

eligible until end of 2025

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

Patrick Müller

eligible until end of 2022

Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<https://www.biologie.uni-konstanz.de/mueller>

Andrea Pauli

eligible until end of 2023

Fertilization / sperm-egg interaction / translation / ribosome / zebrafish / short ORFs / early embryogenesis
<http://paulilab.org>

Alvaro Rada-Iglesias

eligible until end of 2022

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

<https://web.unican.es/ibbttec/es-es/sobre-el-ibbttec/equipo/directorio/detalle-miembro?d=AlvaroRadaLab>

Saravana Ramasamy

eligible until end of 2025

Bone microenvironment / physiology / blood vessels / ageing / repair

<http://ramasamylab.com>

Nathalie Rochefort

eligible until end of 2024

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 2025

Embryogenesis / mechanobiology / cell migration / cell signaling / biological self-organisation / advanced fluorescence microscopy

https://www.crg.eu/en/verena_ruprecht

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>

Yonatan Stelzer

eligible until end of 2025

Mouse Embryonic Development/ Single-Cell Genomics/ Epigenetics/ Genome Editing/ Chimeras and Embryo Manipulation

<http://www.weizmann.ac.il/mcb/Stelzer/>

Kikue Tachibana-Konwalski

eligible until end of 2022

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

<https://www.biochem.mpg.de/tachibana>

Barbara Treutlein

eligible until end of 2025

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

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

Differentiation & Death

Nina Cabezas-Wallscheid

eligible until end of 2026

Stem cells/ hematopoiesis/ differentiation/ metabolism/ single-cell
<https://www.ie-freiburg.mpg.de/cabezas>

Debojyoti Chakraborty

eligible until end of 2025

CRISPR-Cas / gene editing / stem cells / organoids / hemoglobinopathies / diagnostics / therapeutic gene editing
<http://rnabiologylab.com>

Yaron Fuchs

eligible until end of 2024

Apoptosis / cell death / stem cell / regeneration
<https://yfuchs.net.technion.ac.il>

Michelle Linterman

eligible until end of 2022

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

Nuria Montserrat

eligible until end of 2025

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

Verena Ruprecht

eligible until end of 2025

Embryogenesis / mechanobiology / cell migration / cell signaling / biological self-organisation / advanced fluorescence microscopy
https://www.crg.eu/en/verena_ruprecht

Elodie Segura

eligible until end of 2025

Human / monocyte / dendritic cell / macrophage / aryl hydrocarbon receptor
<http://esegura-lab.org>

Genome Stability & Dynamics

- Uri Ben-David** eligible until end of 2025
Cancer Genetics/Aneuploidy/Chromosomal Instability/Cancer Models
<http://www.bendavid.com>
-
- Ross Chapman** eligible until end of 2023
DNA repair / adaptive immunity / cancer / DNA double-strand breaks
<https://www.imm.ox.ac.uk/people/ross-chapman>
-
- Julien Duxin** eligible until end of 2025
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>
-
- Felipe Karam Teixeira** eligible until end of 2025
Germ cells / Stem cells / Gene expression / Genome stability / Epigenetics
<https://karamteixeira.wixsite.com/website>
-
- Martijn Luijsterburg** eligible until end of 2025
Transcription / DNA damage / genetic screens / proteomics / cell biology
<http://www.lumc.nl/luijsterburglab>
-
- Hansong Ma** eligible until end of 2025
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://cpssc.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
<https://www.maxperutzlabs.ac.at/research/research-groups/matos>
-
- Daniel Messerschmidt** eligible until end of 2022
Epigenetics / transgenerational inheritance / epigenetic reprogramming / preimplantation development / embryogenesis / DNA methylation
<http://www.developmental-epigenetics.com>
-
- 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 2025
Genome stability / DNA repair / DNA-protein crosslinks / SPRTN / 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.biochem.mpg.de/tachibana>

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/>

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 2025
Cancer / somatic mutation / single-cell RNA sequencing / childhood cancer
<https://www.sanger.ac.uk/person/behjati-sam/>
-
- Uri Ben-David** eligible until end of 2025
Cancer Genetics/Aneuploidy/Chromosomal Instability/Cancer Models
<http://www.bendavid.com>
-
- Petter Brodin** eligible until end of 2024
Systems immunology / pediatrics / computational biology / mass cytometry / single-cell biology
<https://brodinlab.com/>
-
- Gray Camp** eligible until end of 2025
Stem Cells/Organoids/Single-cell genomics/Human EvoDevo
<https://www.graycamplab.org/>
-
- Ines Anna Drinnenberg** eligible until end of 2025
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/group/leader/?group=134>
-
- Marc Güell** eligible until end of 2025
Synthetic biology / gene editing / gene therapy / microbiome / CRISPR-Cas
<https://synbio.upf.edu>
-
- 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://junkerlab.com>
-
- Taco Kooij** eligible until end of 2023
Malaria / parasite / mitochondria / membrane proteins / host-microbe interactions / transmission / experimental genetics
<https://tacokooij.wordpress.com>
-
- Darío Lupiáñez** eligible until end of 2025
3D chromatin organization/long-range gene regulation/enhancers/development/evolution
<https://lupilab.wordpress.com/>
-
- Nicholas McGranahan** eligible until end of 2025
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

Antoine-Emmanuel Saliba

eligible until end of 2025

Single-cell genomics / bacteria / respiratory virus

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

Andela Saric

eligible until end of 2025

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

<http://andelasaric.com>

Schraga Schwartz

eligible until end of 2022

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

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

Pontus Skoglund

eligible until end of 2025

Genomics, Evolution, Human Genetics, Proteomics, Pathogens

<http://www.skoglundlab.org>

Yonatan Stelzer

eligible until end of 2025

Mouse Embryonic Development/ Single-Cell Genomics/ Epigenetics/ Genome Editing/ Chimeras and Embryo Manipulation

<http://www.weizmann.ac.il/mcb/Stelzer/>

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 technologies / single-cell genomics / organoids / human development / stem cells / regeneration

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

Dario Riccardo Valenzano

eligible until end of 2022

Ageing / microbiome / microbiota / genome evolution / population genetics / adaptive immunity / longevity / model organisms

Celine Vallot

eligible until end of 2025

Histone modifications / epigenome / cancer evolution / single-cell / resistance

<http://www.linkedin.com/in/celinevallot-institutcurie>

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 2026
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/people/ross-chapman>
-
- Guoliang Cui** eligible until end of 2025
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>
-
- Roger Geiger** eligible until end of 2025
T cells
Human Immunology
Cancer Immunotherapy
Proteomics
Systems Immunology
<http://www.geigerlab.org>
-
- 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>
-
- Lena Ho** eligible until end of 2025
Micropeptides/Mitochondria/Respiratory Chain/Innate Immunity/Base editing
<http://www.ho-lab.org>
-
- 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.dqbm.uzh.ch/joller>
-
- Michelle Linterman** eligible until end of 2022
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.lkcmedicine.ntu.edu.sg/aboutus/Faculty-and-Staff/Pages/Luo-Dahai.aspx>
-
- Elvira Mass** eligible until end of 2025
Macrophage/Hematopoiesis/Developmental programming/metabolic syndrome/neurological disorder
<https://www.limes-institut-bonn.de/en/research/research-departments/unit-1/mass-lab/>
-
- 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>
-

Anna Obenauf

cancer biology/ therapy resistance / immunology / metastasis / biotechnology
<https://www.obenauflab.com/>

eligible until end of 2025

Hendrik Poeck

Innate immune signaling / cancer immunology & resistance / allogeneic stem cell transplantation / intestinal stem cells
https://www.ukr.de/kliniken-institute/haematologie-onkologie/Klinikteam___Mitarbeiter/___rztlicher_Dienst/index.php

eligible until end of 2022

Elodie Segura

Human / monocyte / dendritic cell / macrophage / aryl hydrocarbon receptor
<http://esegura-lab.org>

eligible until end of 2025

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

Ori Avinoam

eligible until end of 2025

Trafficking/Endocytosis/Exocytosis/Membrane fusion/Cell fusion
http://www.weizmann.ac.il/Biomolecular_Sciences/Avinoam/

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>

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>

Wanda Kukulski

eligible until end of 2024

In-situ membrane structure / organelle contact sites / mitochondrial membrane dynamics / correlative microscopy / electron cryo-tomography
https://www.ibm.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 2025

Bacterial pathogens / cell wall assembly / lipid & solute transport / cryo-EM / crystallography / membrane protein biophysics
<https://www.biozentrum.unibas.ch/research/research-groups/research-groups-a-z/overview/unit/research-group-camilo-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 2025

Biological physics / membrane remodelling / protein assembly / amyloid aggregation / computer simulations
<http://andelasaric.com>

Nicholas M. I. Taylor

eligible until end of 2025

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>

Innate immune signaling / cancer immunology & resistance / allogeneic stem cell transplantation / intestinal stem cells

https://www.ukr.de/kliniken-institute/haematologie-onkologie/Klinikteam___Mitarbeiter/___rztlicher_Dienst/index.php

Antoine-Emmanuel Saliba

eligible until end of 2025

Single-cell genomics / bacteria / respiratory virus

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

Noam Stern-Ginossar

eligible until end of 2022

Herpesviruses / gene expression / viral host interactions / RNA / translation regulation

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

Marvin Tanenbaum

eligible until end of 2024

Virus / RNA virus / viral replication / innate immune response / mRNA decay / translation / single-molecule imaging

<http://www.hubrecht.eu/research-groups/tanenbaum-group/>

Molecular Medicine

Sam Behjati

Cancer / somatic mutation / single-cell RNA sequencing / childhood cancer
<https://www.sanger.ac.uk/person/behjati-sam/>

eligible until end of 2025

Petter Brodin

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

eligible until end of 2024

Debojyoti Chakraborty

CRISPR-Cas / gene editing / stem cells / organoids / hemoglobinopathies / diagnostics / therapeutic gene editing
<http://rnabiologylab.com>

eligible until end of 2025

Ross Chapman

DNA repair / adaptive immunity / cancer / DNA double-strand breaks
<https://www.imm.ox.ac.uk/people/ross-chapman>

eligible until end of 2023

Polly Lei Lei Chen

RNA editing / ADARs / transcriptome / cancer
<https://www.csi.nus.edu.sg/web/chen-leilei-polly/>

eligible until end of 2023

Guoliang Cui

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

eligible until end of 2025

Katie Doores

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

eligible until end of 2022

Alejo Efeyan

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

eligible until end of 2025

Yaron Fuchs

Apoptosis / cell death / stem cell / regeneration
<https://yfuchs.net.technion.ac.il>

eligible until end of 2024

Mina Gouti

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

eligible until end of 2025

Marc Güell

Synthetic biology / gene editing / gene therapy / microbiome / CRISPR-Cas
<https://synbio.upf.edu>

eligible until end of 2025

Ping-Chih Ho

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

eligible until end of 2024

Siddhesh Kamat

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

eligible until end of 2024

Hind Medyouf

Leukaemia / microenvironment / bone marrow / cross-talk / therapy / metastasis / immune-escape
<http://www.georg-speyer-haus.de/en/research/research-groups/medyouf/research.html>

eligible until end of 2023

Nuria Montserrat

eligible until end of 2025

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

Anna Obenauf

cancer biology/ therapy resistance / immunology / metastasis / biotechnology
<https://www.obenauflab.com/>

eligible until end of 2025

Randall J. Platt

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

eligible until end of 2024

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 2022

Saravana Ramasamy

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

eligible until end of 2025

Guadalupe Sabio

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

eligible until end of 2022

Luca Tiberi

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

eligible until end of 2025

Manuel Valiente

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

eligible until end of 2023

Louis Vermeulen

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

eligible until end of 2022

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>

Katrin Franke

eligible until end of 2025

visual system/retina/neural circuits/systems neuroscience/mouse visual ecology
<https://www.cin.uni-tuebingen.de/research/research-groups/research-groups/franke-k-neural-circuits-of-vision/research-directions.html>

Mina Gouti

eligible until end of 2025

Neuromuscular organoids / neuromesodermal progenitors / neuromuscular junction / disease modelling / ALS / SMA
<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

Organoid / neural development / human / brain / evolution
<https://www2.mrc-lmb.cam.ac.uk/madeline-lancaster/>

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 2024

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 2025

Brain organoids / neural stem cell / brain cancer
<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/>

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>

Pierre-Marc Delaux

eligible until end of 2025

Evolution / Symbioses / Phylogenomics / evo-devo / gene networks

<https://www.evolutionpmi.com/>

Benjamin D. Engel

eligible until end of 2025

Cryo-electron tomography / cryo-EM / visual proteomics / membrane architecture / phase separation / photosynthesis / carbon fixation / cilia

<https://www.cellarchlab.com/>

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 2025

membrane receptor, cell wall, structural biology, signalling, signal transduction

Proteins & Biochemistry

- 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 2025
Cell stress / MAP kinases / p38 / JNK / protein translation / aging / metabolism
<https://icmm.ku.dk/english/research-groups/bekker-jensen-group/>
-
- Tanmay Bharat** eligible until end of 2025
Structural biology / electron cryotomography / microbiology / cell surfaces / biofilms
-
- Björn Burmann** eligible until end of 2025
Nuclear magnetic resonance / molecular machines / protein quality control / multimeric proteases / in-cell & in-situ approaches
<https://www.gu.se/en/research/bjorn-burmann>
-
- Debojyoti Chakraborty** eligible until end of 2025
CRISPR-Cas / gene editing / stem cells / organoids / hemoglobinopathies / diagnostics / therapeutic gene editing
<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 2025
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>
-
- Stefanie Jonas** eligible until end of 2025
RNA processing / RNP assembly / transcription / Integrator complex / small nuclear RNA
<https://jonaslab.ethz.ch>
-
- 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.mpinat.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
<https://www.maxperutzlabs.ac.at/research/research-groups/matos>
-
- Christian Münch** eligible until end of 2025
proteostasis/protein quality control/mitochondrial unfolded protein response/signaling/quantitative proteomics
<http://pqc.biochem2.de>
-
- Andrea Pauli** eligible until end of 2023
Fertilization / sperm-egg interaction / translation / ribosome / zebrafish / short ORFs / 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>
-
- Camilo Perez** eligible until end of 2025
Bacterial pathogens / cell wall assembly / lipid & solute transport / cryo-EM / crystallography / membrane protein biophysics
<https://www.biozentrum.unibas.ch/research/research-groups/research-groups-a-z/overview/unit/research-group-camilo-perez>
-
- 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 2025
Chronobiology / proteomics / sleep / biochemistry
<https://www.imp.med.uni-muenchen.de/research/systems-chronobiology-robles/index.html>
-
- Benjamin Schumann** eligible until end of 2025
Glycosylation/Protein engineering/Bioorthogonal/Posttranslational modifications/Enzymology
<https://www.crick.ac.uk/research/labs/ben-schumann>
-
- Hayley Sharpe** eligible until end of 2025
Tyrosine phosphatases / receptor signalling / redox biology / cancer / cell adhesion / signal transduction
<https://www.babraham.ac.uk/our-research/signalling/hayley-sharpe>
-
- Julian Stingele** eligible until end of 2025
Genome stability / DNA repair / DNA-protein crosslinks / SPRTN / endogenous DNA damage
<https://www.genzentrum.uni-muenchen.de/research-groups/stingele>
-
- 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/>
-
- 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/>

RNA

Debojyoti Chakraborty eligible until end of 2025
CRISPR-Cas / gene editing / stem cells / organoids / hemoglobinopathies / diagnostics / therapeutic gene editing
<http://rnabiologylab.com>

Jeffrey Chao eligible until end of 2022
Translation / mRNA degradation / mRNA localization / RNA-protein complexes / single-molecule microscopy
<http://www.fmi.ch/research/group/leader/?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/>

Manuel Irimia eligible until end of 2022
Evolution / transcriptomics / alternative splicing / evo-devo / neurodevelopment
http://crg.eu/manuel_irimia

Stefanie Jonas eligible until end of 2025
RNA processing / RNP assembly / transcription / Integrator complex / small nuclear RNA
<https://jonaslab.ethz.ch>

Mounia Lagha eligible until end of 2025
transcription/translation/imaging/genetics/drosophila
<http://www.igmm.cnrs.fr/en/team/regulation-de-la-transcription-au-cours-du-developpement/>

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/>

Danny Nedialkova eligible until end of 2025
tRNA/mRNA/translation/protein homeostasis
<http://www.biochem.mpg.de/nedialkova>

Andrea Pauli eligible until end of 2023
Fertilization / sperm-egg interaction / translation / ribosome / zebrafish / short ORFs / 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>

Clemens Plaschka eligible until end of 2025
mRNA Processing/ mRNA Export/ RNA Biology/ Macromolecular Machines/ Cryo-Electron Microscopy
<https://www.imp.ac.at/groups/clemens-plaschka/>

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>

Antoine-Emmanuel Saliba eligible until end of 2025
Single-cell genomics / bacteria / respiratory virus
<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/>

Schrage 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/>

Marvin Tanenbaum

eligible until end of 2024

Virus / RNA virus / viral replication / innate immune response / mRNA decay / translation / single-molecule
imaging
<http://www.hubrecht.eu/research-groups/tanenbaum-group/>

Yue Wan

eligible until end of 2022

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

Signal Transduction

- Leila Akkari** eligible until end of 2026
Tumor microenvironment / macrophages / therapy / mouse models / anti-tumor immunity
<http://www.akkari-lab.com>
-
- Simon Bekker-Jensen** eligible until end of 2025
Cell stress / MAP kinases / p38 / JNK / protein translation / aging / metabolism
<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 2025
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.mpinat.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
<https://www.biologie.uni-konstanz.de/mueller>
-
- Christian Münch** eligible until end of 2025
proteostasis/protein quality control/mitochondrial unfolded protein response/signaling/quantitative proteomics
<http://pqc.biochem2.de>
-
- Guadalupe Sabio** eligible until end of 2022
Metabolism / p38 / MAPK / signalling / browning / crosstalk
<http://www.sabiolab.com/>
-
- Elodie Segura** eligible until end of 2025
Human / monocyte / dendritic cell / macrophage / aryl hydrocarbon receptor
<http://esegura-lab.org>
-
- 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 2025
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>

Christoph Zechner

eligible until end of 2025

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

Structural Biology & Biophysics

- Alexey Amunts** eligible until end of 2024
Protein synthesis / mitochondria / bioenergetics / chloroplast
<https://www.scilifelab.se/researchers/alexey-amunts/>
-
- Ori Avinoam** eligible until end of 2025
Trafficking/Endocytosis/Exocytosis/Membrane fusion/Cell fusion
http://www.weizmann.ac.il/Biomolecular_Sciences/Avinoam/
-
- Tanmay Bharat** eligible until end of 2025
Structural biology / electron cryotomography / microbiology / cell surfaces / biofilms
-
- Björn Burmann** eligible until end of 2025
Nuclear magnetic resonance / molecular machines / protein quality control / multimeric proteases / in-cell & in-situ approaches
<https://www.gu.se/en/research/bjorn-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 2025
Cryo-electron tomography / cryo-EM / visual proteomics / membrane architecture / phase separation / photosynthesis / carbon fixation / cilia
<https://www.cellarchlab.com/>
-
- 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>
-
- Prisca Liberali** eligible until end of 2024
Organoids / cell trajectories / mechanosensory triggers / multiscale imaging approaches / single cell omics
<http://www.liberalilab.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.mpinat.mpg.de/lorenz>
-
- Dahai Luo** eligible until end of 2022
RNA / protein / biochemistry / structural biology / virology / innate immunity
<http://www.lkcmecicine.ntu.edu.sg/aboutus/Faculty-and-Staff/Pages/Luo-Dahai.aspx>

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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>
-
- 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>
-
- Bjørn Panyella Pedersen** eligible until end of 2024
Metabolite transport / sugar uptake / sterol uptake / structural biology / membrane proteins
<https://mbg.au.dk/bpp>
-
- 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>
-
- Camilo Perez** eligible until end of 2025
Bacterial pathogens / cell wall assembly / lipid & solute transport / cryo-EM / crystallography / membrane protein biophysics
<https://www.biozentrum.unibas.ch/research/research-groups/research-groups-a-z/overview/unit/research-group-camilo-perez>
-
- 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/>
-
- Clemens Plaschka** eligible until end of 2025
mRNA Processing/ mRNA Export/ RNA Biology/ Macromolecular Machines/ Cryo-Electron Microscopy
<https://www.imp.ac.at/groups/clemens-plaschka/>
-
- 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 2025
Biological physics / membrane remodelling / protein assembly / amyloid aggregation / computer simulations
<http://andelasaric.com>
-
- Florian Schur** eligible until end of 2025
Cell migration/actin cytoskeleton/virus structure/cryo-electron tomography/method development
<https://schurlab.ist.ac.at/>
-
- 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>
-
- 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/>
-
- 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
Virus / RNA virus / viral replication / innate immune response / mRNA decay / translation / single-molecule imaging
<http://www.hubrecht.eu/research-groups/tanenbaum-group/>
-
- Nicholas M. I. Taylor** eligible until end of 2025

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>

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/>

Christoph Zechner

eligible until end of 2025

Stochastic biological systems / signal processing & control / statistics / single-cell data analysis

<http://zechnerlab.com>

Systems Biology

Tuncay Baubec

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

eligible until end of 2024

David Bikard

CRISPR-Cas / bacteriophage / synthetic biology / high-throughput screens / DNA repair
<https://research.pasteur.fr/en/team/synthetic-biology/>

eligible until end of 2023

Filipe Cabreiro

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

eligible until end of 2022

Roger Geiger

T cells
Human Immunology
Cancer Immunotherapy
Proteomics
Systems Immunology
<http://www.geigerlab.org>

eligible until end of 2025

Marc Güell

Synthetic biology / gene editing / gene therapy / microbiome / CRISPR-Cas
<https://synbio.upf.edu>

eligible until end of 2025

Edouard Hannezo

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

eligible until end of 2024

Jan Philipp Junker

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

eligible until end of 2024

Prisca Liberali

Organoids / cell trajectories / mechanosensory triggers / multiscale imaging approaches / single cell omics
<http://www.liberalilab.org>

eligible until end of 2024

Nicholas McGranahan

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

eligible until end of 2025

Patrick Müller

Pattern formation / self-organization / signaling gradients / zebrafish / Nodal / BMP / optogenetics
<https://www.biologie.uni-konstanz.de/mueller>

eligible until end of 2022

Danny Nedialkova

tRNA/mRNA/translation/protein homeostasis
<http://www.biochem.mpg.de/nedialkova>

eligible until end of 2025

Maria Robles

Chronobiology / proteomics / sleep / biochemistry
<https://www.imp.med.uni-muenchen.de/research/systems-chronobiology-robles/index.html>

eligible until end of 2025

Edda Schulz

X-chromosome inactivation / Gene regulation / Mathematical Modeling / Gene-regulatory Networks / Epigenetics
<http://www.molgen.mpg.de/schulz-lab>

eligible until end of 2025

Schraga Schwartz

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

eligible until end of 2022

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

Yue Wan

eligible until end of 2022

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

Christoph Zechner

eligible until end of 2025

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

David Zwicker

eligible until end of 2025

Biological physics / Theory / Self-Organization / Biomolecular Condensates
<http://www.zwickergroup.org>
