



European Research Council
5 years - 1,55 million€

"Naked mole-rats to mice:
metabolic reprogramming
to prevent ischaemic injury."

Jane Reznick



European Research Council
5 years - 1,5 million€

"Exploring the diet-
microbiota axis for
immunomodulation and
organ protection in
hypertension Hyperbiota."

Nicola Wilck



DZHK Excellence Program
Promotion of Women
Scientists
1 year - 60.000€

"Dynamic of endothelial
cadhesome in angiogenesis."

Anna Szymborska-Mell



Deutsche Krebshilfe
3 years - 465.000€

"Analyse und Störung des
Crosstalks zwischen GOF
mutantem p53, Wnt/
P-Catenin und Pi3-Kinase
in Brustkrebs."

Kamil Lisek



DZHK Excellence Program
1 year - 60.000€

"Deciphering the role of
novel mitochondrial
microproteins in
the human heart."

Sebastian van Heesch



FEBS Fellowship
1 year - 36.486€

"Mechanisms of gene
expression regulated by
3D genome topology."

Ibai Azcarate



Marie Curie Fellowship
2 years - 159.460€

"VOLIV : Role of volume-
regulated anion channels in
liver physiology and
metabolism."

Sandy Blin



ECRT Research Grant
3 years - PhD student salary

"Organoid disease models for
spinal muscular atrophy."

Angelica Garcia-Perez



"Of gene expression and cell
division time: A mathematical
framework for advanced
differential gene expression
and data analysis."

Cell Sys. 2019 Sep 25

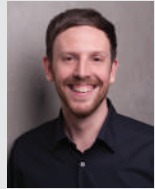
Analysis of correlation-based
biomolecular networks from
different omics data by fitting
stochastic block models

F1000Res 8: 465

Katharina Baum

Grants

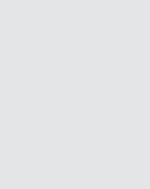
Publications



"Multiscale modeling of dyadic
structure-function relation in
ventricular cardiac myocytes."

Biophys J

Wolfgang Giese



"Comprehensive gene
expression meta-analysis
identifies signature genes that
distinguish microglia from
peripheral monocytes/
macrophages in health and
glioma."

Acta Neuropathol Commun 7
(1): 20

"Transcriptional heterogeneity
of fibroblasts is a hallmark of
the aging heart."
JCI Insight 4 (22): e131092

Ramon Oliveira Vidal



"FLAM-seq: full-length mRNA
sequencing reveals principles
of poly(A) tail length control."

Nat Methods 16 (9): 879-886

Ivano Legnini



"Degradation and
remobilization of endogenous
retroviruses by recombination
during the earliest stages of a
germ-line invasion."

Proc Natl Acad Sci U S A 115
(34): 8609-8614

Ulrike Löber



"Gene Expression
Cartography."

Nature 576, 132-137

Nikolaos Karaiskos



"53BP1 Supports
Immunoglobulin Class Switch
Recombination Independently
of Its DNA Double-Strand
Break End Protection
Function."

Cell Rep 28 (6): 1389-1399

Devakumar Sundaravinayagam



"DCAF8, a novel MuRF1
interaction partner, promotes
muscle atrophy."

J Cell Sci 132 (17): jcs233395

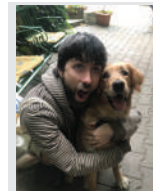
Benjamin Sünkel



"Evolution of Replication
Origins in Vertebrate
Genomes: Rapid Turnover
Despite Selective
Constraints."

Nucleic Acids Res 47 (10):

Florian Massip



"Live-Cell Structural Biology to
Solve Biological Mechanisms:
The Case of the Exocyst."

Structure 27, 132-137

Ibai Azcarate

"Associations of the metabolic
syndrome and its components
with cognitive impairment
in older adults."

BMC Geriatr 19 (1): 77

Insa Feinkohl



"The translation Landscape of
the Human Heart."

Cell 178 (1): 242-260

Sebastian van Heesch



"Artery-vein specification in
the zebrafish trunk is pre-
patterned by heterogeneous
Notch activity and balanced by
flow-mediated fine tuning."

Development 146 (16):
dev.181024

Baptiste Coxam

Postdoc Day 2019

In 2019 the organizers from the Postdoc Association of the Max Delbrück Center for Molecular Medicine (MDC) and the Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP) welcomed participants at the newly opened Berlin Institute for Medical Systems Biology (BIMSB).



80 postdocs and PhD students from 11 institutes based in Berlin and Brandenburg used this opportunity to exchange professional knowledge and help each other with their career planning. The event was also attended by members of the Max Planck Institute for Molecular Genetics, Charité, the Institute of Biochemistry at Freie Universität Berlin, and the Leibniz Institute of Freshwater Ecology and Inland Fisheries.

Our keynote speaker was Professor Nenad Ban, a professor of structural molecular biology at the ETH Zurich (Swiss Federal Institute of Technology). Structural studies in his group on bacterial and eukaryotic ribosomes and their functional complexes have provided fundamental insights into the process of protein synthesis in all kingdoms of life. The keynote speech was entitled "Visualising the Invisible".

„A fantastic event of interactive workshops, inspiring lectures, and enlightening discussions.” (Prof. Nenad Ban)



Winners

Best talk:

1st prize: **Rukeia El-Athman**, Final year PhD student, Charité/FU/HU
"A landscape of circadian and ultradian alternative splicing events in mammalian tissues."

2nd prize: **Marie Walde**, Postdoc, MDC
"Image global, detect local."

3rd prize: **Michael Robson**, Postdoc, MPImg
"Compartmentalisation insulates gene expression during embryogenesis."

Best poster:

Warren Winick-Ng, MDC
"In situ genome architecture mapping of targeted cell types in the brain."

Lucille Alonso, Charité – Universitätsmedizin Berlin
"The role of brain serotonin in social and cognitive abilities in rats: lessons from tryptophan hydroxylase 2-deficient rats."

Michael Erbner, FMP
"Elucidation of Molecular Mechanisms that couple Phosphoinositide Signaling to Lysosomal Transport."

Ana Miguel Fernandes, MDC
"RNA polymerase II promoter escape contributes to circular RNA formation."

Uira Melo, Max Planck Institute for Molecular Genetics (MPImg)
"Chromosome conformation capture (Hi-C) combined with whole-genome sequencing for the detection and functional interpretation of complex genomic rearrangements in developmental disease."

Outlook 2020

The Postdoc Day 2020 will take place at MDC campus Buch on May 15th, 2020.

Prof. Charpentier will share with us new insights about CRISPR/Cas and Prof. Ganten, will discuss his very interesting career from scientist to president of the World Health Summit. We are looking forward to offer more workshops, invite interesting guests, and welcome even more postdocs from Berlin and beyond. Join us!



Professor Emmanuelle Charpentier
Founding, Scientific and Managing Director of the Max Planck Unit for the Science of Pathogens, Berlin

Professor Detlev Ganten
Founding President of the World Health Summit, Chairman of the Foundation Board of the Charité Foundation and editor of the Journal of Molecular Medicine

postdoc-day.mdc-berlin.de

Career Pathways

In this series of talks, professionals from both industry and academia share their work experiences. In 2019, four of such talks took place in campus Buch. All of them elicited much interest among the postdocs. Below is the overview of the speakers and topics:

Tiago Lopes (Associate researcher, Uni of Wisconsin / Guest researcher, the University of Tokyo), "A long commute: I live in Tokyo and work in the US (and still do great science)"

Dr. Uta Baddack-Werncke (National Contact Point Health for Horizon 2020/ Deutsches Zentrum für Luft- und Raumfahrt e.V.), "A career option for biomedical scientists out of the lab: Health Research Funding bodies"

Dr. Andrea Zobel (Senior Director PAREXCEL Academy / Global Head of PAREXCEL Academy), "From Lab to Last Mile: My career followed the drug development process"

Dr. Ulrike Pannasch (Wissenschaftskolleg zu Berlin / Institute for Advanced Study, Academic Coordinator, College for Life Sciences), "Changing sides: From basic research to scientific career support"

Pizza Lunches

Pizza Lunch talks are organised by the MDC Postdoctoral Association with the aim of providing postdocs with opportunities to learn and discuss options for an academic career, to network and of course enjoy some pizza. In 2019, the following two talks took place:"

Dr. Martha Sommer

Group leader at the Charité and a Delbrück Fellow of the Berlin Institute of Health (BIH)

Elena Martins

Research funding advisor of the Leibniz Association (ERC grants)

Postdoc to PhD Mentoring

"Postdoc-to-PhD mentoring is the initiative that connects doctoral students (mentees) who need support in identifying and developing the skills that will help them to advance in their careers with experienced postdoc researchers (mentors). In the course of one year, they work together in tandems and meet regularly to discuss a variety of issues pertinent to mentees' personal scientific progress. Apart from one-on-one meetings, both mentors and mentees arrange peer group meetings, during which they exchange their experience with the mentoring process."

"Currently, there are 13 mentoring tandems, 7 of them cross-campus (Mitte - Buch). The intermediate evaluation of the program revealed that in majority of the cases, both mentors and mentees are satisfied with the way their pairs were matched and find the program very helpful for their personal development. It is clear that the pilot run justifies a second round, which will commence in 2020.

"The mentoring program is a valuable puzzle piece of my PhD phase, thank you!" (mentee)

"Great program, I enjoy being part of it and having a mentor." (mentee)

"I really liked the start day / workshop." (mentee)



Career Pathways Speakers for 2020:

February

Dr. Mireille Starke

Clinical scientist from Mologen AG

April

Claus Melder

Senior Vice-President at Sick AG in Waldkirch

June

Dr. Tetiana Kosten

Consultant at Roland Berger



Pizza Lunch Speakers for 2020:

January

Dr. Agnieszka Rybak-Wolf

Group leader of the MDC organoid platform

March

Dr. Fan Liu

Group leader for Structural Interactomics and head of the proteomics research platform at FMP

June

Dr. Severine Kunz

Senior Postdoc in t electron microscopy facility

Impressum

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