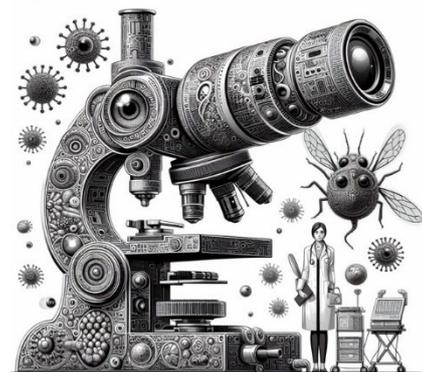




UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

RESEACH DAY 2024, Section of Medicine

20.3.2024, PER09, 1.100



9:00-10:00	Poster hanging and viewing (ground floor PER9)
10:00-10:15	Welcome
10:15-11:00	Keynote lecture: Prof. Dr Tatjana Kleele Institute of Biochemistry, ETH Zurich <i>“Super-resolution microscopy of mitochondrial dynamics”</i>
11:00-11:30	Dr. Anurag Gupta (Curioni group) <i>“Translational research approaches to improve outcome and understanding of mesothelioma”</i>
11:30-12.15	Prof. Csaba Szabo <i>“UNRELIABLE: How hypercompetition, dubious practices, bias and fraud corrupt the biomedical literature”</i>
12:15-13:15	Lunch break, Poster Session
13:15-13:45	Prof. Thomas Auer Department of Biology, University of Fribourg <i>“Evolution of feeding behaviours in Drosophilids”</i>
	Short talks (selected from abstracts)
13:45-14:00	Dr. Fei Ma (Prsa group) <i>“Use-dependent plasticity of cortical proprioceptive representation in mice”</i>
14:00-14:15	Dr. Anna Keppner (Hoogewijs group) <i>“Androglobin, a chimeric mammalian globin, is associated with ciliogenesis and sonic hedgehog signaling”</i>
14:15-14:30	Dr. Duilio Potenza (Yang group) <i>“Non-cell-autonomous effects of arginase-II in macrophages on cardiomyocytes in aging”</i>
14:30.14:45	Dr. Karim Zura (Szabo group) <i>“Drug-repurposing approach for CBS inhibition: the examples of disulfiram and EGCG”</i>
14:45-15:00	Poster flash talks Dr. Rocio Benitez Fernandez, Miguel de Jesus Sousa, Drinbardha Elshani, Myriem Otmani Idrissi, Dr. Ilia Smolenskii, Yilei Zhao
15:00-16:00	Poster session with Coffee
16:00-16:30	Dr. Jun Abe (Stein group) <i>“Whole-organ imaging for better understanding of CD8+ T cell-mediated immunity”</i>
16:30-17:00	Prof. Gregor Rainer <i>“The thalamus as a target for visual prosthetics”</i>

POSTER PRESENTATIONS

#	presenter	group	title
1	AHMED Shaista	Giraud	Impact of Cardiac Health Status on Bone Marrow Cell Secretome and Myocardial Repair
2	BENITEZ FERNANDEZ Rocio	Boya	What is the role of autophagy/mitophagy in oligodendrocytes?
3	BERNET Martin	von Philipsborn	Wing flicking in immature Drosophila females: an acoustic rejection behavior?
4	BRENNA Andrea	Yang	Cyclin dependent kinase 5 (Cdk5) activity is modulated by light and gates rapid phase shifts of the circadian clock
5	CARAMELLINO Riccardo	Rainer	Auditory processing impairments in a rat model of Down Syndrome
6	CARVALHO RAVASCO MILHANO CORREIA Miguel	Hoogewijs	Androglobin knockout leads to endocrine imbalance and hyperkalemia under high-potassium diet
7	CHENG Xin	Yang	Aging increases hypoxia-induced endothelial permeability and blood-brain barrier dysfunction by upregulating arginase-II
8	CLAUDINO CARVOEIRO Daniela	Stein	A lymphoid tissue chemokine checkpoint safeguards effector CD8+ T cell differentiation
9	de JESUS SOUSA Miguel	Filgueira	GLUT-1 and GLUT-3 expression in the human hippocampus
10	ELSHANI Drinbardha	Chiolero	Exploring the Interplay Between Biological Age, Physical Activity and Cancer Incidence Across Educational Strata: a prospective study in the U.K. Biobank
11	GRIGOLO Sophie	Filgueira	Interleukin-2 Acts Directly on Renal Cell Carcinoma Cells
12	HERWIG Antonia	Hoogewijs	Identification of new ciliogenesis-associated transcriptional regulators of androglobin
13	JIMENEZ GARCIA Carlos	Boya	Fast and sensitive mitophagy and autophagy assessment in ARPE-19 cells by spectral flow cytometry using fluorescent reporters
14			
15	KIERONSKA-RUDEK Anna	Szabo	Vasoprotective function of phylloquinone and menaquinone -anti-senescence and anti-inflammatory activity in vessel wall
16	KOMAROV Nikita	Sprecher	To eat or not to eat?
17	MAKEDONA Epistimi-Anna	Rainer	The Role of the Efferent Ventral Pallidal Pathways in Default Mode Network Modulation
18	MARIC Darko	Hoogewijs	Comprehensive and functional study of HIF2A genetic variants identified in patients with erythrocytosis
19	MIJATOVIC Ela	Szabo	Cellular turnover of human cystathionine beta-synthase is governed by its oligomeric status
20	MONTORFANI Sara	Filgueira	Influence of Botulinum Neurotoxin on a human T-cell response in vitro

21	OSTERHOF Carina	Hoogewijs	Expression analysis and functional characterization of an oxygen-binding protein in an unconventional physiological model system
22	OTMANI IDRISSE Myriem	Giraud	Swimming Training Induced Sex Specific Differences in Cardiac Hypertrophy and Blood Levels of the Renin Angiotensin System
23	PETROSINO Maria	Szabo	Unveiling the ability of serine to re-activate aminooxyacetic acid-inhibited cystathionine beta-synthase: biophysical and structural insight and consequences for H ₂ S biogenesis
24	SANCHEZ-LUQUIN Sergio	Stein	Characterization of a novel genetic tool to study tissue-resident CD8 ⁺ T cells
25	SCHEER Irina	Prsa	Disentangling error signals in Purkinje cell dendritic activity from their pre-synaptic climbing fiber inputs during sensory association and adaptive motor learning
26	SMOLENSKII Ilia	Inta	Effects of ketogenic diet and BDNF deficiency in mouse chronic restraint stress model
27	TRAJANOVIKJ Vladimir	von Philipsborn	Coordination in Copulation: Understanding the Role of Neuronal Innervation and Seminal Fluid Proteins in Inseminate allocation
28	VERBAKEL Lina	von Philipsborn	RNAi screen identified CG1701, Acp26Ab, Lectin-4Ca and CG42564 as re-mating delay factors in the <i>D. melanogaster</i> post-mating response
29	VINCENT Sarah	Hoogewijs	Potential novel anti-cancer drug: Implication of a rhenium-based compound in the hypoxic response
30	ZHAO Yilei	Rainer	Subcortical nodes in the Default mode Network Regulation
31	ASCENCAO Kelly	Szabo	Critical role of 3-MST in colon cancer cell stemness

Organizers: Patricia Boya and Anne von Philipsborn

patricia.boya@unifr.ch

anne.vonphilipsborn@unifr.ch