

HypoxEU LIVE

Dresden 2024

Event Schedule

We are very excited to announce the 2nd in person HypoxEU event, scheduled for June 9 – 12th in Dresden, Germany.

See a summary of the event and register below.

Sunday June 9th, 2024

15:00	Registration (at the CRTD entrance) and Poster setup (1 st floor)
18:00	Welcome to HypoxEU LIVE Dresden (Ben Wielockx)
18:05	Introducing the keynote speaker (by Brian Ortmann)
18:10	Keynote lecture: Prof. Dr. Kai-Uwe Eckardt (Berlin, Germany): From high altitude to patient care – therapeutic perspectives of oxygen sensing
19:00	Social hour

Monday June 10th, 2024

9:00 – 10:40	Session 1 (Homeostasis – Cormac Taylor/Raphael Fagundes Rosa) – Eoin Cummins (Dublin, Ireland): <i>Carbon dioxide sensing in Biological Systems</i> – Jonathan Harnoff (Giessen, Germany): <i>Validating the Unfolded Protein Response and its key stressor hypoxia as therapeutic targets in surgery</i> – Tammie Bishop (Oxford, UK): <i>HIF-2 in chemosensitivity and paragangliomas</i> – Diego Rodriguez (Dresden, Germany): <i>Endoglin regulates the integrity of the bone marrow vasculature</i> – Flash talks: – Peter Wing (Oxford, UK): <i>Visualising the Interplay Between Coronavirus replication and the Cellular Hypoxic Response</i> – Julián Aragonés López (Madrid, Spain): <i>Unanticipated Role of HIF1A in Tumor Cell Glucose Metabolism</i> – Gary Markey (Co. Kildare, Ireland): <i>Hypoxia-inducible miR-155 dysregulates epithelial barrier by attenuating claudin-7 in eosinophilic esophagitis</i> Break
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11:00 – 12:40	Session 2 (Disease and Therapy – Peppi Karppinen) - Viktória Jeney (Debrecen, Hungary): Hypoxia promotes vascular and valve calcification through HIF activation - Roberto Motterlini (Paris, France): CO and metabolism - Peppi Karppinen (Oulu, Finland): HIF-P4H-2 deficient APP/PSEN1 mice show protection against Alzheimer's disease - Emma Hodson (Cambridge, UK): Maturation of the Carotid Body Transcriptome in Fetal and Postnatal Life - Sui-Chun Kwok (Liverpool, UK): The transcriptional changes in neuroblastoma cellular hypoxia response: a core neuroblastoma hypoxia signature
12:40 – 14:40	Poster session lunch (Even numbers) (At the 1st floor)
14:40 – 16:20	Session 3 (Erythropoietin – Roland Wenger/Chris Pugh) - Hannelore Ehrenreich (Göttingen, Germany): Functional hypoxia as a concept explaining health benefits of motor-cognitive training - Bjørt Kragesteen (Haifa, Israel): Epo producing Norn cells – a cell type or cell state? - Katharina Broecker (Regensburg, Germany): Spatial EPO expression pattern – differences in interstitial subpopulations - Ben Wielockx (Dresden, Germany): The multifaceted role of erythropoietin: beyond red blood cells - Flash talks: - Francesco Maria Grasselli (Camerino, Italy) : Short chain fatty acids as key mediators in counteracting hypoxia dependent stress in neuronal cells - Taku Nakai (Sendai, Miyagi, Japan): Identification of the proper subset responsible for erythropoietin production among renal fibroblasts - Antoine L. D. Wallabregue (Oxford, UK): Bioreductive fluorescent probes to image different levels of hypoxia in human and plants - Meina Zhang (Qingdao, China) : Glucocorticoids regulate the expression of HIF-3a through GR - Theodora Sideri (London, UK): Regulation of the Cellular Response to Hypoxia by N6-methyladenosine <i>Break</i>
16:50 – 17:30	Controversies in the Hypoxia Field (Organizers – Doerthe Katschinski/Brian Ortmann) - Hypoxia Research, where to now? Presented by Cormac Taylor and Sonia Rocha
17:30	End of day 2

Tuesday June 11th, 2024

09:00 – 10:40	Session 4 (Metabolism – Peter Mirtschink) - Isha Jain (San Francisco, US): Turning the Oxygen and Vitamin Dials - Sarah Kierans (Dublin, Ireland): The sweet stuff: Regulation of glucose metabolism in hypoxia - Hannah Lawson (London, UK): Targeting HIF-hydroxylases in acute myeloid leukaemia (AML) - Hudson Coates (Cambridge, UK; Sydney, AUS): Hypoxia truncates and constitutively activates a key cholesterol synthesis enzyme - Alba Villaronga Luque (Dresden, Germany): Oxygen metabolism controls cell fate specification and morphogenesis in in-vitro mouse embryo models <i>Break</i>
11:00 – 12:40	Session 5 (HIF-2, Chemosensing and Paragangliomas – Tammie Bishop) - Susanne Schlisio (Stockholm, Sweden): Impaired oxygen-sensitive regulation of mitochondrial biogenesis within the von Hippel Lindau syndrome - Judith Favier (Paris, France): SDH dysfunction and 2OG-dependent dioxygenases inhibition in paragangliomas - Michael Jonz (Ottawa, Canada): The zebrafish gill as a model for understanding oxygen sensing in vertebrates - Fraydoon Rastinejad (Oxford, UK): Assessing Oxygen's Influence on HIFβ Proteins through Structural and Mechanistic Studies - Short talks: - Andrew Cowburn (London, UK): Neutrophils and Pulmonary Disease - Julie Hesnard (Lyon, France): Hypoxic response and directed migration towards oxygen in amoebae
12:40 – 14:40	Poster session lunch (Odd numbers) (At the 1st floor)
14:40 – 16:10	Session 6 (Oxygen sensing and signaling – Edurne Berra/Johanna Myllyharju) - Thomas Kietzmann (Oulu, Finland): Hypoxia, EGF Signaling, and the Hidden Role of Deubiquitinases - Alberto Pascual (Sevilla, Spain): Breathing microglia: The relevance of oxygen metabolism for brain innate immune cells - Tom Keeley (Oxford, UK): Breathing microglia: The relevance of oxygen metabolism for brain innate immune cells - Silvia Pastorekova (Bratislava, Slovakia): Hypoxia reinforces tumour microevolution and therapy resistance by promoting CA9-mediated formation of cell-in-cell structures - Malgorzata Wilk (Zürich, Switzerland): Single-cell variability of hypoxia-inducible gene expression <i>Break</i>

17:00 – 18:30	Session 7 (Miscellaneous – Ben Wielockx) - David Hoogewijs (Fribourg, Switzerland): The chimeric oxygen-binding protein androglobin contributes to ciliogenesis - Silvia Martin-Puig (Madrid, Spain): Unexpected roles of HIF2 in the cardiovascular response to chronic hypoxia - Joao Seco (Heidelberg, Germany): Impact of Cholesterol in Oxygen Transport across a membrane - Andrés A. Urrutia (Madrid, Spain): Atypical mitochondrial subunits in perivascular oxygen sensing - Christian Stockmann (Zürich, Switzerland): The role of Hypoxia-Inducible Factors in Type 2 Innate Lymphoid Cells during lung inflammation and regeneration
18:30 – 18:45	Quo Vadis? – Closing remarks by Sir Peter J. Ratcliffe
From 19:00	Social hour (Barbecue in the CRTD garden)

Wednesday June 12th, 2024

Full day	Departure
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