

HypoxEU LIVE

Hosted by: **BAKER RUSKINN**

Scientific Organization Committee: Chris Pugh, Johanna Myllyharju, Peppi Karppinen, Edurne Berra, Doerthe Katschinski, Roland Wenger, Cormac Taylor and Randall Johnson

We sincerely thank our sponsors for supporting us and making the HypoxEU LIVE 2022 possible!

SUNDAY SEPTEMBER 11TH

12:00	Registration and poster setup
18:00	Welcome to HypoxEU 2022 Live - Cormac Taylor
18:10	Chris Pugh to introduce Sir Peter Ratcliffe
18:15	Keynote lecture, Sir Peter Ratcliffe
19:15	Evening canapé and drinks reception with live music from The Noble Jacks
	Posters are available for viewing

HypoxEU.com

HypoxEU LIVE Corporate Sponsors



HypoxEU LIVE

Hosted by: **BAKER RUSKINN**

MONDAY SEPTEMBER 12TH

9:00-10:30 Session 1 Christian Stockman	<p><i>'Inflammation / Immunity'</i></p> <p><i>'The non-transcriptional regulation of glycolysis by hypoxia'</i>, Sarah Kierans, University College Dublin, Ireland</p> <p><i>'A HIF driven metabolite regulates T cell fate and metabolism'</i>, Eleanor Minogue, University of Cambridge, UK</p> <p><i>'Oxygen sensing pathways modulating T cell fate and function'</i>, Sarah Ross, The Babraham Institute, UK</p> <p><i>'Resting Natural Killer cell homeostasis relies on tryptophan/NAD metabolism and the transcription factor HIF1 α'</i>, Abigaëlle Pelletier, PhD candidate, University of Zurich</p>
<i>Coffee and poster viewing</i>	
11:00-12:30 Session 2 Cormac Taylor & Eoin Cummins	<p><i>'Metabolism'</i></p> <p><i>'Control of mucosal autophagy and xenophagy by HIF'</i>, Sean Colgan, University of Colorado, USA</p> <p><i>'Endothelial HIF2 is an essential gatekeeper in the bone/bone marrow'</i>, Ben Wielockx, University of Dresden, Germany</p> <p><i>'FIH-OTUB1 oxomer formation - an oxygen-dependent mechanism to regulate energy metabolism?'</i>, Carsten Scholz, University Medicine Greifswald, Germany</p> <p><i>'Oxygen regulation of mammalian cholesterol synthesis'</i>, James Nathan, University of Cambridge, UK</p>
12:30-13:00 Controversy A Roland Wenger & Johannes Schödel	<i>'HIF-HRE-transcript: when is a hypoxia-inducible gene a HIF target?'</i>
<i>Lunch and poster viewing</i>	
14:00-15:30 Session 3	<i>'In vitro and in vivo models'</i>

HypoxEU.com

HypoxEU LIVE Corporate Sponsors



HypoxEU LIVE

Hosted by: **BAKER** RUSKINN

MONDAY SEPTEMBER 12TH

<i>Lunch and poster viewing</i>	
14:00-15:30 Session 3 Johanna Myllyharju	<i>'In vitro and in vivo models'</i> <i>'HIF-2 and the carotid body'</i> , Tammie Bishop, University of Oxford, UK <i>'Portability of oxygen sensing mechanisms across the eukaryotic kingdoms'</i> , Francesco Licausi, University of Oxford, UK <i>'Elucidating the intestinal response to ischemia-reperfusion: from molecular profiling in humans to disease modeling in organoids'</i> , Kaatje Lenaerts, University of Maastricht, The Netherlands <i>'Effects of inactivation of the HIF prolyl 4-hydroxylases 1 and 3 in mouse model of multiple sclerosis'</i> , Mia Monnius, Faculty of Biochemistry and Molecular Medicine, University of Oulu, Finland <i>'HIF-1alpha inhibitor PX-478 preserves pancreatic beta cell function in diabetes'</i> , Teresa Pereira, The Rolf Luft Research Centre for Diabetes and Endocrinology, Karolinska Institutet, Stockholm, Sweden and, Department of Medical Cell Biology, Uppsala University, Uppsala, Sweden.

HypoxEU.com

HypoxEU LIVE Corporate Sponsors



HypoxEU LIVE

Hosted by: **BAKER** RUSKINN

MONDAY SEPTEMBER 12TH

16:00-17:30 Session 4 Dörthe Katschinski	<i>'Red-ox-ygen biology'</i> <i>'Chromatin Regulation in Hypoxia'</i> , Michael Batie, University of Liverpool, UK <i>'Redox biosensors: a valuable tool to explore cellular redox processes'</i> , Maithily Nanadikar, University of Göttingen, Germany <i>'Modeling preclinical cancer studies under physioxia - a potential way to enhance clinical translation'</i> , Harikrishna Nakshatri, Indiana University, USA <i>'The effect of mitochondrial lithium in acute hypoxia'</i> , Carmen Choya-Foces, Unidad de Investigación, Hospital Santa Cristina, Instituto de Investigación Sanitaria Princesa, Spain. <i>'Orthogonal proteomics approaches to identify novel hydroxyproline sites in the mammalian proteome'</i> , Hamish Pegg, Univeristy of Oxford, UK
17:30 – 18:00 Controversy B Chris Pugh & Matt Cockman	<i>'Hydroxylation: which amino acid has been modified and was it enzyme-dependent?'</i>
18:00 – 19:00 Social hour	Canapes, cash bar and posters available for viewing

HypoxEU.com

HypoxEU LIVE Corporate Sponsors



HypoxEU LIVE

Hosted by: **BAKER RUSKINN**

TUESDAY SEPTEMBER 13TH

<p>9:00-10:30 Session 5 Peppi Karppinen</p>	<p><i>'Targeting of oxygen sensing pathways for therapeutic purposes'</i></p> <p><i>'Therapeutic Targeting of the HIF-PHD axis: Insights from animal experiments and clinical studies in patients with chronic kidney disease'</i>, Volker Haase, Vanderbilt University</p> <p>Industry short talks: <i>'Xcellomics™: an AI-driven phenomics drug discovery collaboration'</i>, Vasquez Cayetana, Xcellomics <i>'Haemoglobin Efficacy and Cardiovascular Safety Data from the ASCEND-ND, -D, and -ID Trials'</i>, Caz Canavan, GSK</p> <p><i>'Targeting oxidative stress and prolyl hydroxylase inhibition as therapeutic strategies in an in vitro rat oxygen-glucose deprivation model'</i>, Martina Puzio, UCD School of Biomolecular & Biomedical Science, Ireland <i>'PHD inhibition influences monocyte recruitment in inflammatory chronic kidney disease and protects kidney function in a NR4A1 dependent manner'</i>, Max Schauer, University Clinic of Erlangen, Germany</p>
<p><i>Coffee and poster viewing</i></p>	
<p>11:00-12:30 Session 6 Edurne Berra</p>	<p><i>'Oxygen sensing and signaling beyond hydroxylation'</i></p> <p><i>'Mechanisms controlling gene expression in hypoxia and inflammation'</i>, Sonia Rocha, University of Liverpool <i>'Mitochondria acute oxygen sensing and signaling'</i>, José López-Barneo, University of Seville, Spain <i>'Nuclear microRNAs regulate cellular response to hypoxia via novel, promoter-interacting mechanisms'</i>, Tiia Turunen, RNatives Oy <i>'Correlating locus-specific changes in histone trimethylation and gene expression in hypoxia'</i>, Jessica Kindrick, University of Oxford <i>'Co-ordinated regulation of G-protein signalling by distinct O2 sensing pathways in mammals'</i>, Tom Keeley, University of Oxford</p>
<p>12:30 – 12:45</p>	<p>Closing Remarks and future directions (Cormac Taylor)</p>
<p>13:00 – 14:00 Lunch</p>	
<p>14:00 Departure</p>	

HypoxEU.com

HypoxEU LIVE Corporate Sponsors

