

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

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SUNDAY SEPTEMBER 11TH

12:00	Registration and poster setup
18:00	General Welcome (Cormac Taylor)
18:10	Introduction to Sir Peter Ratcliffe
18:15	Keynote lecture, Sir Peter Ratcliffe
19:15	Opening Reception

Website: <https://www.hypoxeu.com/>

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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>Coffee and poster viewing</p>
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> <p>Additional speaker TBA</p>
12:30-13:00 Controversy A Roland Wenger & Johannes Schödel	<p><i>'HIF-HRE-transcript: when is a hypoxia-inducible gene a HIF target?'</i></p>
<i>Lunch and poster viewing</i>	
14:00-15:30 Session 3 Johanna Myllyharju	<p><i>'In vitro and in vivo models'</i></p> <p><i>'HIF-2 and the carotid body'</i>, Tammie Bishop, University of Oxford, UK</p> <p><i>'Portability of oxygen sensing mechanisms across the eukaryotic kingdoms'</i>, Francesco Licausi, University of Oxford, UK</p> <p><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</p> <p>Presentations to be selected from abstract submissions</p>
16:00-17:30 Session 4 Dörthe Katschinski	<p><i>'Red-ox-ygen biology'</i></p> <p><i>'Chromatin Regulation in Hypoxia'</i>, Michael Batie, University of Liverpool, UK</p> <p><i>'Redox biosensors: a valuable tool to explore cellular redox processes'</i>, Maithily Nanadikar, University of Göttingen, Germany</p> <p><i>'Modeling preclinical cancer studies under physioxia - a potential way to enhance clinical translation'</i>, Harikrishna Nakshatri, Indiana University, USA</p> <p>Presentations to be selected from abstract submissions</p>
17:30 – 18:00 Controversy B Chris Pugh & Matt Cockman	<p><i>'Hydroxylation: which amino acid has been modified and was it enzyme-dependent?'</i></p>

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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>11:00-12:30 Session 6 Eduarne 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>	