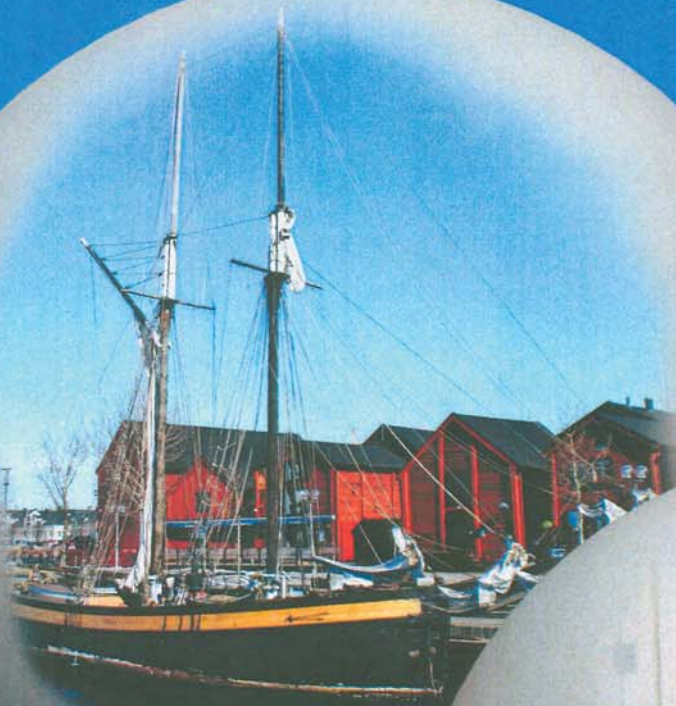


Oxygen 2013

June 8-12, 2013 Oulu
EU COST Action TD0901

Dealing with hypoxia:
Regulatory aspects in cells, tissues and organisms



Hyp **O**xia Net 

PROGRAM AT A GLANCE

Time	Saturday 8 th	Sunday 9 th	Monday 10 th	Tuesday 11 th	Wednesday 12 th
8:00					
9:00-10:30		WG1 I Hypoxia and physiological adaptation mechanisms	WG4 I Hypoxia as trigger of disease outcome	WG3 I Hypoxia in diagnostics and therapy	8:00-11:30 Management committee meeting
10:30-11:00		Coffee break	Coffee break	Coffee break	
11:00-12:20		WG1 I continued	WG4 I continued	WG3 I continued	Lunch
12:20-13:30		Lunch break	Lunch break	Lunch break	
13:30-15:00		WG1 II Hypoxia, angiogenesis and development	WG2 I Training school	WG3 II Hypoxia as regulator of protein modifications	
15:00-15:30		Coffee break	Coffee break	Coffee break	
15:30-16:30		Short talks	Short talks	WG4 II Hot topics	
16:30-18:30	Registration	Posters + finger food	Posters + finger food		
18:30-20:30	Welcome & Keynote lectures		19:00- City of Oulu reception, Buffet Dinner	19:00- Conference Dinner	
20:30-	Get together				

Sunday June 9th

Working Group 1 – Basic Science

Session 1-I “Hypoxia and physiological adaptation mechanisms”

Chairs: Christopher Pugh & Patrick Maxwell

Place: Aurora-sali

- 9:00 – 9:30 Peter J. Ratcliffe, University of Oxford, UK
Plenary I: *New insights into protein hydroxylation*
- 9:30 – 9:50 Silvia Pastorekova, Slovak Academy of Sciences, Slovak Republic
CA IX as a hypoxia-directed actor in tumor biology: to be or not to be acidic
- 9:50 – 10:10 Nathalie Mazure, Université de Nice, France
How to survive in a hypoxic microenvironment
- 10:10 – 10:30 Christopher Pugh, University of Oxford, UK
Studies in cells lacking endogenous PHD1-3
- 10:30 – 11:00 **Coffee break**
Aurora-sali + Lasaretti restaurant
- 11:00 – 11:20 Lorenz Poellinger, Karolinska Institutet, Sweden
Epigenetic mechanisms of gene regulation in hypoxia
- 11:20 – 11:40 Ernestina Schipani, Indiana University, USA
Hypoxia signaling pathways in organogenesis
- 11:40 – 12:00 Akhilesh B. Reddy, University of Cambridge, UK
Biological clocks and redox oscillations
- 12:00 – 12:20 Thomas Kietzmann, University of Oulu, Finland
Regulation of PAI-1 expression by hypoxia: Old features and new aspects
- 12:20 – 13:30 **Lunch break**
Lasaretti restaurant + Yrjö-sali

Session 1-II "Hypoxia, angiogenesis and development"

Chairs: Dörthe Katschinski & Joachim Fandrey

Place: Aurora-sali

13:30 – 14:00 **Gou Young Koh**, Korea Advanced Institute of Science and Technology, Korea

Plenary II: *Interactive roles of angiopoietins and PDGF in retinal angiogenesis*

14:00 – 14:20 Kari Alitalo, University of Helsinki, Finland

Combinatorial targeting of endothelial growth factor pathways

14:20 – 14:40 Seppo Ylä-Herttuala, University of Eastern Finland, Finland

Therapeutic angiogenesis: From basics to clinical applications

14:40 – 15:00 Carine Michiels, University of Namur, Belgium

Responses of endothelial cells to cycling hypoxia in the presence of TNFalpha: a role in tumor angiogenesis and inflammation

15:00 – 15:30 **Coffee break**

Aurora-sali + Lasaretti restaurant

Poster setup

Short talks

Place: Aurora-sali

15:30 – 15:40 Walbert Bakker: *HIF proteins connect the Rb-E2F pathway to vascular development* (abstract 2)

15:40 – 15:50 Peppi Koivunen: *HIF-1alpha is upregulated in human mesenchymal stem cells* (abstract 42)

15:50 – 16:00 Eleni Georgatsou: *MgcRacGAP, a cytoskeleton regulator, inhibits HIF-1 transcriptional activity by blocking its dimerization* (abstract 25)

16:00 – 16:10 Hanna Tarhonskaya: *Kinetic basis for the preferential FIH-catalyzed hydroxylation of ankyrin repeat domain proteins under hypoxic conditions* (abstract 90)

16:10 – 16:20 Heimo Mairbäurl: *Hypoxia prevents the increase in mitochondrial oxygen consumption induced by stimulation of ampk in cardiomyocytes* (abstract 50)