

Programme

All sessions will take place in the Amphitheatre on level -1 of the main hotel building.

Monday 8th October

14:00 - 19:00 Registration

15:30 - 16:00 Refreshments

16:15 - 17:00 **Welcome and Keynote Presentation**

Chair: Véronique Baud, INSERM/University Paris Descartes, France

K1 Regulation of NF- κ B in inflammation and immunity

Sankar Ghosh, Columbia University, United States

17:00 - 17:45 **Session 1: Inflammation and immunity**

Chair: Anne Puel, Inserm U1163, France

17:00 - 17:15 **O1.1 Hierarchical control of chromatin structure and expression of p65 NF- κ B target genes by cytokine-responsive enhancers**

Michael Kracht, Justus Liebig University Gessen, Germany

17:15 - 17:40 **O1.2 BCL-3 and the cellular decision to initiate inflammation**

Ruaidhri Carmody, University of Glasgow, United Kingdom

17:45 - 18:15 Refreshment break

18:15 - 19:10 **Session 1 (cont): Inflammation and immunity**

18:15 - 18:40 **O1.3 Regulation of T cell development and function by NF- κ B signalling**

Benedict Seddon, UCL, United Kingdom

18:40 - 18:55 **O1.4 Spatial interplay between distal enhancers dictates a complex regulatory hierarchy across topological domains in response to TNF α**

Argyris Papantonis, University of Cologne, Germany

18:55 - 19:10 **O1.5 The non-steroidal anti-inflammatory drugs aspirin and diclofenac modulate the dynamics of NF- κ B signalling**

Claire Harper, University of Manchester, United Kingdom

19:10 - 21:00 Welcome Reception and buffet

Tuesday 9th October

09:00 - 10:35 **Session 2: Chromatin and gene regulation**

Chair: Simona Sacconi, Institute For Research In Cancer And Aging Nice, France

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09:00 - 09:30 **O2.1 RNA regulators of NF- κ B subunits**

Vinay Tergaonkar, IMCB, Singapore

09:30 - 09:45 **O2.2 Combinatorial specificity of NF- κ B transcription factor binding & function**

Simona Sacconi, Institute For Research In Cancer And Aging Nice, France

09:45 - 10:15 **O2.3 NF- κ B p65 mediates a part of TNF α -induced chromatin decondensation and depends on DNA topoisomerase I to allow transcription bursts**

Lienhard Schmitz, Justus Liebig University Giessen, Germany

- 10:15 – 10:40 **O2.4 Mechanisms of NF- κ B -dependent Stochastic Activation of Transcription**
Dimitris Thanos, Biomedical Research Foundation Academy of Athens, Greece
- 10:40 - 11:15 Refreshment break**
- 11:15 - 13:05 Session 3: Regulation of NF- κ B subunits**
Chair: Neil Perkins, Newcastle University, United Kingdom
- 11:15 - 11:40 **O3.1 Modes and mechanisms of subunit specificity and precursor conversion in oncogenic NF- κ B signaling**
Claus Scheidereit, Max-Delbrück-Center, Germany
- 11:40 - 11:55 **O3.2 NF- κ B/RelA and I κ B α regulation by COP9 signalosome-associated deubiquitinylases**
Michael Naumann, Otto Von Guericke University, Germany
- 11:55 - 12:10 **O3.3 Control of Intestinal Homeostasis by nuclear I κ B α**
Lluís Espinosa, Fundación Imim, Spain
- 12:10 - 12:35 **O3.4 Measurement, Manipulation and Consequences of NF- κ B dynamics**
Michael White, University of Manchester, United Kingdom
- 12:35 - 12:50 **O3.5 NF- κ B p50 phosphorylation and the regulation of Toll-like receptors induced in human macrophages**
Domenico Somma, University of Glasgow, United Kingdom
- 12:50 - 13:05 **O3.6 p50 interacts with Bard1 in S-phase to maintain genome stability and promote tumor suppression.**
Bakhtiar Yamini, University of Chicago, United States
- 13:05 - 14:30 Lunch and free time**
- 14:30 - 16:30 Poster session**
- 16:00 - 16:30 Refreshment break**
- 16:30 - 17:00 Invited Lecture**
K2 NF- κ B: plus ça change...
Thomas Gilmore, Boston University, United States
- 17:00 - 18:10 Session 4: Leukemia and lymphoma**
Chair: Véronique Imbert, Mediterranean Center for Molecular Medicine (C3M), France
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et innovations anticancéres
- 17:00 - 17:15 **O4.1 c-Rel functions as a tumour suppressor in murine models of lymphoma and hepatocellular carcinoma**
Jill Hunter, Newcastle University, United Kingdom
- 17:15 - 17:40 **O4.2 Engagement of RelA, cRel or RelB NF- κ B subunit activation impacts on classification and prognosis of diffuse Large B-cell lymphoma**
Véronique Baud, INSERM/University Paris Descartes, France
- 17:40 - 17:55 **O4.3 Microenvironmental NF- κ B activity in T-cell leukemia development**
Nuno Rodrigues dos Santos, Universidade do Porto, Portugal
- 17:55 - 18:10 **O4.4 Dissecting the role of Toll-like receptors-induced I κ B ζ over-expression in leukemia**
Ilenia Sana, Università Vita Salute San Raffaele, Italy
- 18:10 - 18:30 Refreshment break**

18:30 - 20:05 Session 5: Cancer biology, cancer model and novel therapies

Chair: Véronique Baud, INSERM/University Paris Descartes, France

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- 18:30 - 18:55 **O5.1 Regulation of checkpoint kinase signalling and tumourigenesis by the NF- κ B regulated gene, CLSPN**
Neil Perkins, Newcastle University, United Kingdom
- 18:55 - 19:10 **O5.2 Assessment of RelB phosphorylation on serine 472 as a new marker of triple-negative breast cancer aggressiveness**
Baptiste Eluard, Université Paris Descartes, France
- 19:10 - 19:25 **O5.3 CHUK/IKK α in lung epithelial cells functions as a tumor suppressor and in contrast IKK β instead acts as a tumor promoter in murine and human *in vivo* models of NSCLC (non-small-cell-lung-cancer)**
Kenneth Marcu, Stony Brook Univeristy / BRFAA Athens, Italy
- 19:25 - 19:50 **O5.4 Progression of NF- κ B 1-regulated inflammatory liver disease and cancer are suppressed by structured exercise.**
Caroline Wilson, Newcastle University, United Kingdom
- 19:50 - 20:05 **O5.5 The tumor suppressor Sef as a potential link between cancer and inflammation**
Dina Ron, Technion, Israel
- 20:05 - late Gala Dinner**

Wednesday 10th October

09:15 - 10:50 Session 6: Physiological roles for NF- κ B

Chair: Jean-François Peyron, Mediterranean Center for Molecular Medicine (C3M-U1065), France

- 09:15 - 09:30 **O6.1 Cell lineage tracing in Relb_Cre/Kat reporter mice uncovers novel functions of immune mediator RelB in the nervous system**
Ronny Haenold, Leibniz Institute on Aging / University Jena, Germany
- 09:30 - 09:55 **O6.2 Novel human inborn errors of the NF- κ B pathway and their clinical impact**
Anne Puel, Inserm U1163, France
- 09:55 - 10:10 **O6.3 Hyd ubiquitinates the NF- κ B co-factor Akirin to activate an effective immune response in *Drosophila***
Nicolas Matt, CNRS IBMC UPR 9022, France
- 10:10 - 10:25 **O6.4 NF- κ B essential modulator is crucial for the maintenance of blood-brain barrier**
Josephine Lampe, Institute of Experimental and Clinical Pharmacology and Toxicology, Germany
- 10:25 - 10:50 **O6.5 NF- κ B p50 involvement in neuroplasticity: physiological and pathophysiological implications**
Mariagrazia Grilli, University of Piemonte Orientale, Italy
- 10:50 - 11:15 Refreshment break**
- 11:15 - 12:45 Session 7: Crosstalk of NF- κ B to other systems**
- Chair: Gilles Courtois, CEA Grenoble, France
- 11:15 - 11:40 **O7.1 Crosstalk between HIF and NF- κ B in normoxia and hypoxia**
Sonia Rocha, University of Liverpool, United Kingdom
- 11:40 - 12:05 **O7.2 Regulation of the innate immune response by the ADP-ribosyltransferase ARTD1**
Michael O. Hottiger, University of Zurich, Switzerland

- 12:05 - 12:20 **O7.3 Identifying novel kinases that regulate NF- κ B activity using an siRNA kinome screen**
Adrian Yemm, Newcastle University, United Kingdom
- 12:20 - 12:45 **O7.4 Functional crosstalk between NF- κ B signalling and the nucleolus**
Lesley Stark, University of Edinburgh, United Kingdom
- 12:45 - 13:00 Presentation of prizes and close of workshop**
Chair: Véronique Baud, INSERM/University Paris Descartes, France

Two junior oral prizes have been sponsored by

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- 13:00 Lunch and then departure**