

# SCIENTIFIC PROGRAMME

Preliminary Program  
**19<sup>th</sup> EUROCONFERENCE ON APOPTOSIS**  
**“Metabolism, Epigenetics and Death”**

**8th Training course on**  
**”Concepts and methods in Programmed Cell Death”**  
*at Norra Latin, Stockholm*

Wednesday September 14, 2011

12.00 – 18.00 Registration

**8th Training course on**  
**”Concepts and methods in Programmed Cell Death”**

**Welcome word (local chairs)**

**Chair: Bertrand Joseph (Stockholm, Sweden)**  
**Theoharis Panaretakis (Stockholm, Sweden)**

14.00 – 14.45 *Josef Penninger*, Institute of Molecular Biotechnology of the Austrian Academy of Science, Austria

**Cell death pathways in lung**

14.45 – 15.30 *Jochen Prehn* Centre for Human Proteomics and Department of Physiology and Medical Physics, Ireland

**How do cells respond to bioenergetic stress?**

15.30 – 16.00 Coffee break

16.00 – 16.45 *Jean-Claude Martinou*, University of Geneva, Switzerland

**Membrane remodeling by Bcl-2 family members to control apoptosis**

16.45 – 17.30 *Jens Andersen*, University of Southern Denmark, Odense, Denmark

**High accuracy mass spectrometry-based quantitative proteomics for the large-scale analysis of site-specific protein phosphorylation and acetylation dynamics in autophagy**

17.30 – 18.15 *Hans-Uwe Simon*, University of Bern, Bern, Switzerland

**Autophagy and its assessment in mammalian cells**

18.15 – 18.30 Discussion

Wednesday evening, September 14, 2011

**Chair: Boris Zhivotovsky (Stockholm, Sweden)**

19.00 – 19.15 – Official opening

19.15 – 20.00 **ECDO Keynote lecture:**

*Sir Salvador Moncada*, University College London, UK

**The harnessing of glycolysis and glutaminolysis for cell proliferation**

20.00 Welcome reception (Norra Latin)

Thursday, September 15, 2011

**Session 1: Metabolic control of cell death**

**Chair: Guido Kroemer (Paris, France)**

9.00 – 9.30 *Tak Mak*, Princess Margaret Hospital, Canada

**Cell death under metabolic stress in cancer**

9.30 – 10.00 *Eyal Gottlieb*, Beatson Institute for Cancer Research, UK

**Lipid metabolism and mitochondrial processes that dictate cell's fate**

10.00 – 10.30 *Mathew Vander Heiden*, Massachusetts Institute of Technology, USA

**Understanding the role of altered cell metabolism in tumor biology**

10.30 – 11.00 Coffee break (with exhibition viewing)

**Session 2: Metabolic control of cell death (cont)**

**Chair: Marja Jäättelä (Copenhagen, Denmark)**

11.00 – 11.30 *Rinke Stienstra*, Radboud University Nijmegen Medical Centre, The Netherlands

**Absence of caspase-1 protects against diet-induced obesity and insulin resistance**

11.30 – 11.45 *Short talk, Daniela De Zio*, University of Rome 'Tor Vergata', Italy

**Ku regulates Apaf1 expression upon DNA damage**

11.45 – 12.00 *Short talk, Nico P. Dantuma*, Department of Cell and Molecular Biology, Karolinska Institutet, Sweden

**Chromatin remodelling-assisted ubiquitylation in the DNA damage response**

12.00 – 12.30 *Steve Elledge*, Harvard University Medical School, USA

**Genetic approaches to cancer biology**

12.30 – 14.00 Lunch

**Session 3: Experimental physiology of cell death**

**Chair: Mauro Piacentini (Rome, Italy)**

14.00 – 14.30 *Nektarios Tavernarakis*, Foundation for Research and Technology, Greece

- Heat stroke-induced cell death mechanisms**  
14.30 – 15.00 *Peter Bozhkov*, Department of Plant Biology and Forest Genetics, Sweden  
**Evolution of programmed cell death: from plants to man**  
15.00 – 15.30 *Herman Steller*, The Rockefeller University, USA  
**Stem cells, apoptosis and tumor suppression**  
15.30 – 16.00 **Jurg Tschopp Memorial Lecture**  
**Fabio Martinon**, University of Lausanne, Switzerland  
**Perspectives on Jürg Tschopp and the inflammasome**
- 16.00 – 18.00 Poster Session #1
- 17.30 – 18.30 *ECDO Board Meeting*  
19.00 – 21.00 Reception and Dinner at the Stockholm City Hall

Friday, September 16, 2011

**Session 4: Cross-talk between intracellular compartments during cell death**

**Chair: Theoharis Panaretakis (Stockholm, Sweden)**

- 9.00 – 9.30 *Guido Kroemer*, Institut Gustave Roussy, France  
**Immunogenic cell death for optimal anticancer chemotherapy**  
9.30 – 10.00 *Marja Jäättelä*, Danish Cancer Society, Denmark  
**Lysosomal acid sphingomyelinase as a target for cancer therapy**  
10.00 – 10.30 *Andreas Strasser*, Walter and Eliza Hall Institute, Australia  
**Which pro-survival Bcl-2 family members should be targeted for the treatment of different cancers?**
- 10.30 – 11.00 Coffee break (with exhibition viewing)

**Session 5: Biochemistry and physiology of cell death**

**Sten Orrenius (Stockholm, Sweden)**

- 11.00 – 11.30 *Gerry Melino*, University of Rome “Tor Vergata”, Italy  
**Involvement of p73, a p53-family member, in metabolism and senescence**  
11.30 – 11.45 *Short talk, Paolo Bonaldo*, Department of Histology, Microbiology & Medical Biotechnologies, University of Padova, Italy.  
**Apoptosis and autophagy in muscular dystrophies linked to collagen VI deficiency**  
11.45 – 12.00 *Short talk, Sarita Larisch*, Biology and Human Biology Department, University of Haifa, Israel  
**The pro-apoptotic ARTS protein initiates mitochondrial apoptosis upstream of MOMP and promotes the release cytochrome c and SMAC/Diablo**  
12.00 – 12.30 *Mauro Piacentini*, University of Rome “Tor Vergata“, Italy  
**Ambra1 is a key regulatory element of the early and late stages of autophagy**
- 12.30 – 14.00 Lunch

## Session 6: Epigenetic control of cell death

**Chair: Bertrand Joseph (Stockholm, Sweden)**

**Marie-Lise Gougeon (Paris, France)**

14.00 – 14.30 *Jan Paul Medema*, University of Amsterdam, The Netherlands

**Colon cancer stem cells; their role in tumor growth and therapy resistance**

14.30 – 14.45 *Short talk, Selcuk Colak*, Laboratory for Experimental Oncology and Radiobiology, Center for Experimental and Molecular Medicine, Academic Medical Center, The Netherlands.

**Inhibition of HDACs sensitizes chemotherapeutic resistant colon Cancer Stem Cells**

14.45 – 15.00 *Short talk, Jose L. Venero*, Departamento de Bioquímica y Biología Molecular, Facultad de Farmacia, Universidad de Sevilla, Spain.

**A novel role for executioner caspases in controlling microglia activation and neurotoxicity**

15.00 – 15.30 *Jesus Gil*, Imperial College London, UK

**Epigenetic control of the INK4/ARF locus**

15.30 – 16.00 *Nicholas La Thangue*, University of Oxford, UK

**HDAC inhibitors: from bench to clinic, and back again**

16.00 – 18.00 Poster Session #2

**Chair: Boris Zhivotovsky (Stockholm, Sweden)**

**Boris Turk (Ljubljana, Slovenia)**

18.00 – 18.45 **ECDO Honorary lecture**

*Klaus-Michael Debatin*, University of Ulm, Germany

18.45 – 19.00 – Poster Awards

19.00 – 19.30 – *ECDO General Assembly*

20.00 Gala Dinner

Saturday, September 17, 2011

## Session 7: Biochemistry and physiology of cell death

**Chair: Peter Vandenabeele (Gent, Belgium)**

9.00 – 9.30 *Nika Danial*, Dana-Farber Cancer Institute, USA

**Metabolic fingerprints in molecular subsets of diffuse large B cell lymphoma**

9.30 – 9.45 *Short talk, Inna Lavrik*, Division of Immunogenetics, DKFZ, Germany

**Regulation of CD95-mediated apoptotic and non-apoptotic signaling by procaspase-8 and c-FLIP**

9.45 – 10.00 *Short talk, Christine J. Watson*, Department of Pathology, University of Cambridge, UK

**Stat3 controls lysosomal-mediated cell death in vivo**

10.00 – 10.30 *Yoshihide Tsujimoto*, Osaka Biological Center, Japan

**A role of non-apoptotic death in programmed cell death in mice**

10.30 – 11.00 Coffee break (with exhibition viewing)

**Session 8: Biochemistry and physiology of cell death (cont.)**

**Chair: Hans-Uwe Simon (Bern, Switzerland)**  
**Ola Hermansson (Stockholm, Sweden)**

11.00 – 11.30 *Ruggero De Maria*, Dept. of Hematology, Oncology, and Molecular Medicine, Istituto Superiore di Sanità, Italy

**Mapping survival pathways in cancer stem cells: from biomarkers identification to development of effective therapies**

11.30 – 11.45 *Short talk, Eleonora Ottina*, Division of Developmental Immunology, Innsbruck Medical University, Austria

**Elucidation of the physiological role of the Bcl-2 pro-survival homologue A1**

11.45 – 12.00 *Short talk, Walter Malorni*, Dipartimento del Farmaco, Istituto Superiore di Sanità, Italy

**“Cell sex” differences in susceptibility to oxidative stress and apoptosis induced by autoantibodies specific to RLIP76 in vascular cells**

12.00 – 12.30 *Marie-Lise Gougeon*, Institute Pasteur, France

**A new mechanism of viral escape from innate immunity. Pivotal role of HMGB1**

12.30 – 13.00 **ECDO Keynote lecture:**

*Michael G. Rosenfeld*, Howard Hughes Medical Institute, University of California, USA

**Methylation-dependent interactions between subnuclear architectural-specific ncRNAs and a chromodomain protein relocate and activate growth control genes**

13.00 pm End of the Conference (Local chairs)