

**7th Training Course on
Concepts and Methods in Programmed Cell Death**

September 1, 2010, Ghent, Belgium

Training Course Programme

Chair: **Boris Turk** (Ljubljana, Slovenia)

- 14:00-14:45** **Markus Rehm** (Dublin, Ireland)
Imaging subcellular events during cell death
- 14:45-15:30** **Francis Blankenberg** (Stanford, USA)
In vivo imaging of cell death
- 15:30-16:00** Coffee
- 16:00-16:45** **Laurence Calzone** (Paris, France)
Systems biology of cell death
- 16:45-17:30** **Lorenzo Galluzzi** (Villejuif, France)
Methods for the detection of cell death
- 17:30-18:15** **Klaus-Michael Debatin** (Ulm, Germany)
Therapeutic targeting of apoptosis, an overview of different strategies and clinical trials

18th Euroconference on Apoptosis

September 1-4, 2010, Ghent, Belgium

Conference Programme

**Wednesday evening September 1
Welcome and ECDO Keynote Lecture**

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

- 19:30-19:55** **Official Opening**
19.30-19.35 **Peter Vandenabeele**, chairman of the conference
19.35-19.45 **Paul Van Cauwenberghe**, Rector UGent
19.45-19.55 **Jo Bury**, Managing Director VIB, Ghent
- 19:55-20:40** **ECDO keynote lecture: Guy Salvesen** (La Jolla, USA)
Caspase activation, specificity and substrates
- 20:40-21:00** **Tom Balthazar**, Deputy Mayor for environmental and social affairs
Ghent, then and now
- 21:00-22u30** **Welcome reception** (Aula)

September 2: Thursday morning**Chair: Patrizia Agostinis** (Leuven, Belgium)

- 09:00-09:30 **Andreas Villunger** (Innsbruck, Austria)
A role of the PIDDosome in tumor suppression?
- 09:30-09:45 **Delphine Merino** (Melbourne, Australia)
Bim indirectly activates Bax/Bak in ABT-737 induced cell death
- 09:45-10:00 **Donat Kögel** (Frankfurt, Germany)
(-)-gossypol targets Mcl-1 for degradation and induces autophagic cell death in glioma cells
- 10:00-10:30 **Rosario Rizzuto** (Ferrara, Italy)
Calcium, mitochondria and cell death
- 10:30-11:00 Coffee break

Chair: Wim Declercq (Ghent, Belgium)

- 11:00-11:30 **David Wallach** (Rehovot, Israel)
The 'Apoptotic' Caspases as Regulators of Inflammation: New Lessons from the Study of Caspase-8 Function
- 11:30-12:00 **Manolis Pasparakis** (Cologne, Germany)
Inflammatory and apoptotic signalling pathways in the regulation of epithelial homeostasis
- 12:00-12:15 **Geert van Loo** (Ghent, Belgium)
A20/tnfaip3 : a master brake on apoptosis
- 12:15-12:30 **Sandrine Jouan-Lanhouet** (Rennes, France)
An acidic extracellular pH switches TRAIL-induced apoptosis to a RIPK1/RIPK3/PARP-1 dependent programmed necrosis in human colon cancer cells
- 12:30-13:00 **Thirumala Kanneganti** (Memphis, TN, USA)
Caspase-1 inflammasomes in innate immunity, cell death and inflammation
- 13:00-15:00 Lunch (The Pand)

September 2: Thursday afternoon**Chair: Simone Fulda** (Frankfurt, Germany)

- 15:00-15:30 **Pascal Meier** (London, UK)
Ubiquitin-mediated regulation of apoptosis
- 15:30-16:00 **John Silke** (Victoria, Australia)
Appointment with death - and other cell death mysteries
- 16:00-16:20 **Emmanuel Dejardin** (Liège, Belgium)
TNFR-induced activation of MAP3K14/NIK enhances TNFR-1-induced cell death
- 16:20-16:45 **Henning Walczak** (London, UK)
A physiological role for linear ubiquitination in innate and adaptive immune signalling
- 16:45-17:00 **Nele Vanlangenakker** (Ghent, Belgium)
c-IAP1 and TAK1, modulators of TNF-induced necroptosis
- 17:00-17:30 **Phil Barker** (Montreal, Quebec, Canada)
SMAC'd by the IAPs - Molecular Interplay in Cell Death Signaling
- 17:30 **Poster viewing session #1: Uneven poster numbers**
- 18:30-19:30 ECDO board meeting
- 20:30 Dinner for invited speakers

September 3: Friday morning**Chair: Mauro Piacentini** (Rome, Italy)

- 09:00-09:30 **Frank Madeo** (Graz, Austria)
Spermidine for a long life
- 09:30-09:45 **Joel Beaudouin** (Heidelberg, Germany)
Spatiotemporal characterization of caspase activity in single cells
- 09:45-10:00 **Nieves Peltzer** (Lausanne, Switzerland)
A caspase- and RasGAP fragment N-activated survivin-dependent protective response in the skin
- 10:00-10:30 **Ana Maria Cuervo** (New York, USA)
Selective autophagy: fueling and cleaning in the same compartment
- 10:30-11:00 Coffee break

Chair: Peter Krammer (Heidelberg, Germany)

- 11:00-11:30 **Cosima Baldari** (Siena, Italy)
p66Shc: a novel player in lymphocyte apoptosis
- 11:30-12:00 **Judy Liebermann** (Boston, USA)
Granzyme A-mediated cell death: using proteomics to dissect the anatomy of a murder
- 12:00-12:25 **Kris Gevaert** (Ghent, Belgium)
Positional proteomics in cell death research
- 12:25-12:55 **Marion MacFarlane** (Leicester, UK)
Selectively Targeting Death Receptor Signalling in Cancer
- 12:55-13:10 **Alexander Pintzas** (Athens, Greece)
Oncogenes can sensitise tumour cells to TRAIL induced apoptosis: The paradigm of RAS and BRAF oncogenes in colorectal tumours, from models to the clinic
- 13:10-14:30 **Lunch** (The Pand)
- 14:30-16:00 **Poster viewing session #2: Even poster numbers**

September 3: Friday afternoon**Chair: Klaus-Michael Debatin** (Ulm, Germany)

- 16:00-16:30 **Peter Krammer** (Heidelberg, Germany)
Cancer, death and the immune system
- 16:30-16:45 **Tom Cotter** (Cork, Ireland)
Looking Cell Death in the Eye
- 16:45-17:00 **Sven Horke** (Mainz, Germany)
Pursuing Redox-balance modification: PON2 as a new putative anti-tumor target
- 17:00-17:15 **Catharina Svanborg** (Lund, Sweden)
HAMLET kills carcinoma cells but spares healthy, differentiated cells. Molecular basis of the tumoricidal effect

17.15-17.25 **Poster Awards****ECDO Honorary Lecture****Chair: Boris Zhivotovsky**, president of ECDO (Stockholm, Sweden))

- 17:25-18:25 **Guido Kroemer** (Villejuif, France)
The desirable death of the cancer cell
- 18:30-19:00 **ECDO General Assembly** (Aula)
- 20:00 **Gala Dinner** (Monasterium PoortAckere)

September 4: Saturday morning**Chair: Hans-Uwe Simon** (Bern, Switzerland)

- 09:00-09:30 **Martin Krönke** (Cologne, Germany)
NADPH oxidase-derived ROS in cell death and autophagy
- 09:30-09:45 **Cristina Claudia Mihalache** (Bern, Switzerland)
Inflammation-associated autophagy-related programmed necrotic neutrophil death characterized by organelle fusion events
- 09:45-10:15 **Francis Chan** (Worcester, USA)
Molecular Regulation of Programmed Necrosis: From RIP Kinases and Beyond
- 10:15-10:30 **Kelly Jean Thomas** (Grand Junction, USA)
A lung cancer model linking apoptotic resistance and tumorigenesis via defects in mitochondrial dynamics

10:30-11:00 Coffee break

Chair: Marie-Lise Gougeon (Paris, France)

- 11:00-11:30 **Edward Mocarski** (Atlanta, GA, USA)
RIP3-dependent necrosis in viral infection and mammalian development
- 11:30-12:00 **Shigekazu Nagata** (Kyoto, Japan)
Clearance of Dead Cells
- 12:00-12:15 **Abhishek Garg** (Leuven, Belgium)
Cancer cells undergoing immunogenic death under photo-oxidative ER-stress, surface expose calreticulin via a "non-canonical" pathway
- 12:15-12:45 **Caetano Reis e Sousa** (London, UK)
Coupling of dead cell recognition to adaptive immunity by dendritic cells

Concluding remarks