



25th Euroconference on Apoptosis"Cell Death and Immunity in Disease: from molecules to translational medicine"

Wednesday September 27, 2017

12:30 – 19:00 - Registration

13.00 – 15:30 Chair	Session 1a: Cell autonomous pathways modulating cell death Boris Zhivotovsky
13:00 - 13:15	Brief historical introduction by Boris Zhivotovsky
13:15-13:45	Ana MARTIN VILLABA (Heidelberg, Germany) <i>Unravelling how CD95 decides between life and death</i>
13:45-14:00	Inna Lavrik (Magdeburg, Germany) <i>Quantitative single cell analysis uncovers the life/death decision in the death receptor network</i>
14:00-14:15	Dagmar Kulms (Dresden, Germany) <i>Cancer cells employ nuclear caspase-8 to overcome the p53-dependent G2/M checkpoint</i>
14:15-14:30	Cristina Muñoz-Pinedo (Barcelona, Spain) <i>Starvation induces the Unfolded Protein Response and cell death by necrosis or death receptor-mediated apoptosis</i>
14:30-15:00	Ken CADWELL (New York, USA) <i>Autophagy and the intestinal barrier</i>
15:00-15:30	Jessie GUO (New Jersey, USA) <i>Inhibiting autophagy as a cancer therapy for Kras-driven lung cancer</i>
15:30-15:40	Sponsor presentations Caroline Boeckx (Roche) <i>Evaluation of the tumor microenvironment</i> Sofia Vikstrom (Agilent) <i>Measuring metabolic phenotypes using the Agilent Seahorse XF Technology</i>
15.40 – 16:15	Coffee break

16:15 – 18:30 Chairs	Session 1b: Cell autonomous pathways modulating cell death Zahra Zakeri & Simone Fulda
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| 16:15-16:45 | Fabio MARTINON (Geneva, Switzerland)
<i>Characterisation of a stress-response protease that contributes to proteostasis</i> |
| 16:45-17:15 | Marcus CONRAD (Neuherberg, Germany)
<i>Ferroptosis: mechanisms, in vivo relevance and therapeutic potential</i> |
| 17:15-17:30 | Katherine Davies (Parkville, Australia)
<i>Examining the role of the brace region in Mixed Lineage Kinase domain-Like protein (MLKL) oligomerisation and activation</i> |
| 17:30-17:45 | Markus Rehm (Stuttgart, Germany)
<i>Simulating and predicting cellular and in vivo responses of colon cancer to combined treatment with chemotherapy and IAP antagonist Birinapant/TL32711</i> |
| 17:45-18:00 | Yves Dondelinger (Ghent, Belgium)
<i>MK2 phosphorylation of RIPK1 regulates TNF-mediated cell death</i> |
| 18:00-18:15 | Gianmaria Liccardi (London, UK)
<i>The Mitotic Ripoptosome: an apoptotic and necroptotic cell death checkpoint during prolonged mitosis</i> |
| 18:15-18:30 | Sponsor presentations
Toon De Roeve (Essen Bioscience)
<i>IncuCyte® S3 - Live-Cell Imaging and Analysis around-the-clock</i>
Martine Vanhoucke (BCCM/LMBP)
<i>The Belgian BCCM/LMBP Plasmid Collection: a service by scientists for scientists</i> |
| 18:30 – 18:50 | Welcome Word by the Organizers
Official opening of the 25th Euroconference on Cell Death Research
Word by the vice-rector of KU Leuven |
| 18:50 – 20:00 | ECDO Honorary and CDD Jürg Tschopp Prize-Lecture:
Doug GREEN (Memphis, USA) introduced by the CDD Editor-in-Chief Gerry Melino and the ECDO President, Seamus Martin

<i>Targeting LAP: LC3-associated phagocytosis of dying cells in autoinflammation and anti-cancer immunity</i> |
| 20:00 – 22:00 | Opening reception (with drinks and bites and music) |

Thursday September 28, 2017

08:45 – 11:30 Chair	Session 2a: Cell death & phagocytosis Hans-Uwe Simon
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| 08:45 - 09:00 | Brief historical introduction by Hans-Uwe Simon |
| 09:00 -09:30 | Will WOOD (Bristol, UK)
<i>Detecting Death and Damage; Understanding macrophage migration in Drosophila</i> |
| 09:30 -10:00 | Martin HERRMANN (Erlangen-Nuremberg, Germany)
<i>NET formation and aggregation contribute to initiation and resolution of neutrophil-driven inflammation</i> |
| 10:00 -10:15 | Saskia Cillissen (Amsterdam, the Netherlands)
<i>Villous atrophy in RCDII is caused by granzyme-B mediated apoptosis of enterocytes by aberrant IEL via CD103-E-cadherin interaction</i> |

10:15 -10:30 **Alessandro Annibaldi** (London, UK)
MK2 phosphorylates RIPK1 to prevent TNF induced cell death

10:30 - 11:00 **Coffee break**

11:00 – 12:35
Chair **Session 2b: Cell death & phagocytosis**
Marie-Lise Gougeon

11:00-11:30 **Venizelos PAPAYANNOPOULOS** (London, UK)
How neutrophils regulate inflammation

11:30-12:00 **Claudio HETZ** (Santiago, Chile)
TMBIM protein family: ancestral regulators of cell death

12:00-12:15 **Ramona Reinhart** (Bern, Switzerland)
Efficient apoptosis induction in mouse basophils and mast cells by BH3 mimetic compounds

12:15 – 12:35 **Flash talks -Session 1: P-12, 18, 20, 36, 62, 74, 78**

12:35 – 14:15 **Lunch on site**

14:15 – 16:00
Chair **Session 3a: Cell death and Inflammation**
Peter Vandenabeele

14:15 – 14:30 **Brief historical introduction by Peter Vandenabeele**

14:30-15:00 **Mohamed LAMKANFI** (Gent, Belgium)
Anthrax lethal toxin licenses RIPK1 kinase activity-dependent NLRP3 inflammasome activation and macrophage cytotoxicity

15:00-15:15 **Monica Yabal** (Munich, Germany)
XIAP Loss Triggers RIPK3- and Caspase-8-Driven IL-1 β Activation and Cell Death as a Consequence of TLR-MyD88-Induced cIAP1-TRAF2 Degradation

15:15-15:30 **Inge Verbrugge** (Amsterdam, the Netherlands)
Mechanisms underlying combined local and systemic responses to radio-immunotherapy

15:30 -16:00 **Manolis PASPARAKIS** (Cologne, Germany)
RIPK1 in cell death and inflammation

16:00 -16:30 **Coffee break**

16:30 – 18:45
Chair **Session 3b: Cell death and Inflammation**
Henning Walczak

16:30-17:00 **Marisol SOENGAS** (Madrid, Spain)
MetAlert mice: a platform for whole-body imaging and pharmacological targeting of metastatic niches

17:00-17:15 **Tom Vanden Berghe** (Ghent, Belgium)
Natural ferroptosis-inducing compounds, key to eradicate highly resistant tumors?

17:15-17:30 **Fabian Schuler** (Innsbruck, Austria)
Checkpoint kinase 1 (CHK1) controls normal B cell development, lymphomagenesis and cancer cell survival

17:30-18:00 **Benedicte PY** (Lyon, France)
Deubiquitination of NLRP3 by BRCC3 critically regulates inflammasome activity

18:00 - 18:45 **Keynote Lecture: Kodi RAVICHANDRAN** (Virginia, USA and Ghent, Belgium)
Rethinking the cell clearance process and its implications

18:45 – 19:00 ECDO General Assembly

19:00- 22:00 Poster session 1 + refreshments

Friday September 29, 2017

08:45 – 10:30 Session 4a: Cell death, tissue repair and microenvironment
Chair Mauro Piacentini

08:45 - 09:00 Brief historical introduction by Mauro Piacentini

09:00 -09:30 **Gabriele BERGERS** (Leuven, Belgium)
Vascular and Immune conditioning to eradicate tumors

09:30 -10:00 **Hector PEINADO** (Madrid, Spain)
Influence of tumor-secreted exosomes in pre-metastatic niche formation

10:00 -10:15 **Manuel Ehling** (Leuven, Belgium)
PP2A/B55 α regulates endothelial cell protection against apoptosis during vascular remodeling and pathological angiogenesis

10:15 -10:30 **Aida Freire-Valls** (Heidelberg, Germany)
Caspase-8 regulates postnatal angiogenesis via MAPK P38 and VE-cadherin

10:30 - 11:00 Coffee break

11:00 – 13:00 Session 4b: Cell death, tissue repair and microenvironment
Chair Patrizia Agostinis & Boris Turk

11:00-11:30 **Massimiliano MAZZONE** (Leuven, Belgium)
The killing kiss of phosphatase blockade in cancer

11:30-12:00 **Jannie BORST** (Amsterdam, the Netherlands)
How to exploit the vaccine potential of radiotherapy

12:00-12:15 **Anje Cauwels** (Ghent, Belgium)
Targeting type I interferon activity to the tumor microenvironment or to dendritic cells synergizes with immunogenic chemotherapy to safely eradicate tumors

12:15-12:30 **Marco Schaaf** (Leuven, Belgium)
The role of endothelial cell-associated autophagy in melanoma growth

12:30-12:45 **Olivier De Wever** (Ghent, Belgium)
Radiotherapy-activated cancer-associated fibroblasts promote tumor progression through paracrine IGF-1R activation

12:45 – 13:05 Flash talks -Session 2: P-1, 3, 5, 9, 11, 13, 23, 45, 57, 63, 65, 73

13:05 – 15:45 Lunch on site + Poster session 2

15:45 – 17:30 Session 5: Harnessing cell death and immunity crosstalk in translational medicine
Chairs Klaus-Michael Debatin & Peter Krammer

15:45 - 16:00 Brief historical introduction by Klaus-Michael Debatin

16:00-16:30 **Michael HENEKA** (Bonn, Germany)
Microglial demise and the progression of Alzheimer's disease

16:30-16:45

Andreas Linkermann (Dresden, Germany)

Necroptosis controls NET generation and mediates complement activation, endothelial damage and autoimmune vasculitis

16:45-17:00

Julia Zinngrebe (Ulm, Germany)

The linear ubiquitin chain assembly complex is a crucial regulator of toll-like receptor 3 signaling

17:00-17:30

Silvia Chiara FORMENTI (NY, USA)

Ionizing Radiation-Induced Immunogenic cell death

17:30 - 18:15

Keynote Lecture: Alberto MANTOVANI (Rozzano, Italy)

The yin-yang of tumor-associated macrophages in cancer progression

18:15-18:45

Poster and flash talk awards & Wrap-up

19:15 – 20:30

Reception at the City Hall of Leuven (offered by the town of Leuven)

20:45

Conference dinner at Groot Begijnhof