

PROGRAM SCHEDULE

Wednesday | 25.09.2019

THE FUTURE OF CELL DEATH SCIENCE – THE YOUNG INVESTIGATOR PRESENTATIONS

Chair: Markus Rehm

08:30-10:30 **ECDO Board Meeting**

10:30-10:40 **Welcome and opening remarks by the organizers**

10:40-13:00 **Mathieu Bertrand - Ghent University, Belgium**
(20 min each) Regulation of Ripk1 kinase-dependent cell death

Mads Daugaard - University of British Columbia, Vancouver, Canada
Function and regulation of the cancer glycocalyx

Christina Munoz Pinedo - Institut d'Investigació Biomèdica de Bellvitge, Barcelona, Spain
Starvation responses: beyond cell death

Alexei Degterev - Tufts University, Boston, USA
Therapeutic targeting of RIP kinases

Bart Tummers - St. Jude Children's Research Hospital, Memphis, USA
Mind Melt: FADD, caspase-8, MLKL, and inflammasome interactions in the control of lethal inflammation

Stephanie Kreis - University of Luxembourg
HNew ynergistic drug combinations effectively inhibit sensitive and drug-resistant melanoma cells

Jose Pedro Friedmann-Angeli - University of Würzburg, Germany
Characterization of a novel mechanism of ferroptosis suppression

13:00-14:30 **Lunch**

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CELL DEATH AND IMMUNITY/INFLAMMATION

Chair: Ivano Amelio

- 14:30-15:15 **Keynote lecture 1**
Scott Lowe - Memorial Sloan Kettering Cancer Center, NY, USA
Restoring tumor suppression to advanced cancers
- 15:15-15:45 **Peter Vandenabeele - Ghent University, Belgium**
Comparative analysis of immunogenic cell death (ICD) by apoptosis, necroptosis and ferroptosis
- 15:45-16:00 **Peter Krammer - German Cancer Research Center, Germany**
The Annexin Check Point System
- 16:00-16:15 **Leonie Hartmann - Friedrich-Alexander-University, Germany**
Mechanisms linking IFN-mediated mixed lineage kinase domain-like protein activation with intestinal inflammation
- 16:15-16:45 **Tania Watts - University of Toronto, Canada**
TNFR-dependent survival signaling in lymphocytes during anti-viral immunity and cancer
- 16:45-17:15 **Mads-Gyrd-Hanssen - University of Oxford, UK**
Regulation of innate immune signalling by the deubiquitinase CYLD
- 17:15-17:45 **Coffee break**
- 17:45-18:15 **Tom Vanden Berghe - University of Antwerp, Netherlands**
Ferroptosis and inflammation research in critical illness
- 18:15- 18:30 **Daniel Frank - The WEHI of Medical Research, Melbourne, Australia**
Post-translational regulation of RIPK3-induced cell death

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- 18:30-18:50
(2 min each)
- Divya Venkatesh - Columbia University, New York, USA**
MDM2 and MDMX facilitate ferroptosis in the absence of p53
- Stephanie Bleicken – Ruhr University, Germany**
Towards structure determination of oligomeric Bcl-2 protein complexes using two-‘color’-three-channel DEER
- Ruoshi Peng - University of Oxford, UK**
RIPK3 drives inflammatory signalling independently of cell death
- Iris Stolzer - Friedrich-Alexander-University Erlangen, Germany**
IFN-STAT1-MLKL axis drives necroptosis during gastrointestinal inflammation and infection
- Stefan Küffer - University Medical Center, Göttingen, Germany**
A Caspase 3 deletion with prognostic relevance in thymic epithelial tumors (TET)
- Anja Krippner-Heidenreich - Princess Maxima Center for Pediatric Oncology, Utrecht, The Netherlands**
Sensitisation of Smac-induced Cell Death by Tumour Necrosis Factor Receptor (TNFR) Type 2-mediated Signalling in T-cell Acute Lymphoblastic Leukaemia (T-ALL)
- Nivetha Krishna Moorthy - University of Stuttgart, Germany**
Development and testing of TRAIL variants intended for transcytotic delivery into the central nervous system
- Graeme P. Sullivan - Trinity College Dublin, Ireland**
The novel immune-regulatory cytokine Interleukin-37 exhibits pro-inflammatory activity upon N-terminal proteolytic processing
- 18:50-19:35
- CDD honorary lecture**
Carlo Croce - The Ohio State University, USA
MicroRNA dysregulation to identify targets for therapy in cancer
- 19:35-23:00
- Poster session 1 (odd numbers) and get together**

PROGRAM SCHEDULE

Thursday | 26.09.2019

CELL DEATH AND REGENERATION

Chair: Simone Fulda

- 09:00-09:30 **Kevin Ryan - Beatson Institute, Glasgow, UK**
Targeting metabolism to cause tumour cell death
- 09:30-10:00 **Sudan He – Chinese Academy of Medical Sciences, Suzhou, China**
Modulation of the tumor microenvironment by necroptosis regulators
- 10:00-10:15 **Elena I. Morgun - Moscow Institute of Physics and Technology, Russian Federation**
Caspase-3 Expression In The Model Of Chronic Skin Wound Regeneration
- 10:15-10:30 **Jinanbin Ruan - Harvard Medical School, Boston, USA**
Executioner of Pyroptosis: Revealing the Secrets of Gasdermins Driving Cell Death
- 10:30-11:00 **Edward Mocarski - Emory University, Atlanta, USA**
Inflammatory Consequences of Cell Death Pathways Suppressed by Herpesviruses
- 11:00-11:30 **Coffee break**
- 11:30-12:00 **Richard Kitsis - Albert Einstein College of Medicine, NY, USA**
Mechanistic connections between apoptosis and necrosis and combined small molecule therapeutic targeting of both
- 12:00-12:30 **Patricia Boya - Spanish National Research Council, Spain**
New links between autophagy and cell death
- 12:30-12:45 **Motti Gerlic - Tel Aviv University, Israel**
Proteomic analysis of necroptotic extracellular vesicles
- 12:45-13:00 **Florian Bock - Beatson Institute, Glasgow, UK**
What doesn't kill you makes your neighbour stronger: paracrine resistance to chemotherapy
- 13:00-15:30 **Poster session 2 (even numbers) and lunch**

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Thursday | 26.09.2019

CELL DEATH AND CANCER

Chair: Klaus-Michael Debatin

- 15:30-16:00 **Gerry Melino - MRC Toxicology Unit, Cambridge, UK**
ZNF281 contributes to the DNA damage response as well as to neuronal differentiation and is a prognostic maker for neuroblastoma
- 16:00-16:15 **Triona Ni Chonghaile - RCSI, Dublin, Ireland**
A small molecule screen in apoptosis resistant cancer cells identifies a new HDAC6 inhibitor
- 16:15-16:30 **Claudio Mauro - University of Birmingham, UK**
Metabolic control of immune-mediated inflammation
- 16:30-17:00 **Carol Prives - Columbia University, NY, USA**
Mdm2 and MdmX masters of life or death
- 17:00-17:30 **Coffee break**
- 17:30-18:00 **Andreas Villunger - Medical University of Innsbruck, Austria**
What doesn't kill you makes you stronger - or resistant to cancer
- 18:00-18:15 **Lisa Bouchier-Hayes - Baylor College of Medicine, USA**
Caspase-2 regulates S-phase checkpoint activation to facilitate DNA repair
- 18:15-18:30 **Caitlin Brown - University of Massachusetts Medical School, USA**
Prominin2 Drives Ferroptosis Resistance by Stimulating Multivesicular Body/Exosome-Mediated Iron Export
- 18:30-19:15 **Keynote lecture 2**
Brent Stockwell - Columbia University, NY, USA
Ferroptosis: Mechanisms and Therapeutic Applications
- 20:00 **Dinner - Invited Speakers**

PROGRAM SCHEDULE

Friday | 27.09.2019

NON APOPTOTIC CELL DEATH MECHANISMS

Chair: Boris Zhivotovsky

- 09:30-10:00 **Francis Chan - Duke University School of Medicine, UK**
Necroptosis kinases in anti-viral immunity and tissue homeostasis
- 10:00-10:30 **William Kaiser - UT Health San Antonio, USA**
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- 10:30-10:45 **Anne Hamacher-Brady - Johns Hopkins University, Baltimore, USA**
Endolysosomal Interactions with Mitochondria Regulate BAX-Mediated Mitochondrial Permeabilization during Cell Death Signaling
- 10:45-11:00 **Benjamin Demarco - University of Lausanne, Switzerland**
Physiological function of caspase-3/-7-dependent inactivation of Gasdermin-D
- 11:00-11:30 **Coffee break**
- 11:30-12:00 **Junying Yuan - Harvard Medical School, Boston, USA**
Regulation of RIPK1 activation in neurodegenerative diseases associated with aging
- 12:00-12:30 **Seamus Martin - Trinity College Dublin, Ireland**
Cell Stress and Inflammation
- 12:30-13:00 **Feng Shao - National Institute of Biological Science, Beijing, China**
Innate immunity to cytosolic LPS: pyroptosis and beyond
- 13:00-13:30 **Douglas Green - St. Jude Children's Research Hospital, Memphis, USA**
LC3-associated endocytosis (LANDO): A noncanonical function of autophagy proteins regulates microglial activation and neurodegenerative disease
- 13:30-15:30 **Lunch**

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STRUCTURAL AND SYSTEMS BIOLOGY IN CELL DEATH

Chair: Patrizia Agostinis

- 15:30-16:00 **Peter Czabotar - The WEHI of Medical Research, Melbourne, Australia**
Creating a Killer: Conversion of Bax and Bak into Membrane Permeabilising Executioners
- 16:00-16:15 **Marion MacFarlane - MRC Toxicology Unit, University of Cambridge, UK**
Molecular Architecture of FADD:Caspase-8 Signalling Complexes - co-ordinated Control of Life/Death Decisions
- 16:15-16:30 **Nadine Pollak – University of Stuttgart, Germany**
Mcl-1 governs sublethal caspase-8 activation and transmitotic resistance to extrinsic apoptosis
- 16:30-17:00 **Jochen Prehn - Royal College of Surgeons, Dublin, Ireland**
Combination of molecular subtyping and systems analysis of apoptotic and proliferative pathways predicts Cetuximab responses in patient-derived xenografts models of metastatic colorectal cancer
- 17:00-17:30 **Coffee break**
- 17:30-18:00 **Inna Lavrik - University of Magdeburg, Germany**
Targeting death receptor network using rationally designed chemical probes
- 18:00-18:30 **Judy Lieberman - Harvard Medical School, Boston, USA**
Microptosis: Programmed Cell Death in Microbes Activated by Killer Lymphocytes
- 18:30-19:15 **ECDO honorary lecture**
Shigekazu Nagata - Osaka University, Japan
Phosphatidylserine-dependent efferocytosis and entosis
- 19:15-19:45 **ECDO general assembly, meeting announcement, poster prizes, concluding remarks**
- 20:15- 00:00 **Conference Dinner**