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UNIVERSITÄT  
BERN

# SA<sup>2</sup>M 2023

## 12<sup>th</sup> SWISS APOPTOSIS AND AUTOPHAGY MEETING

Bern, September 7-8, 2023  
Langhans Auditorium and Mic Seminar Room H431,  
Institute of Tissue Medicine and Pathology, University of Bern

### Program

*Thursday, September 7<sup>th</sup>, 2023*



**LS<sup>2</sup> Satellite Symposium (in room H431):**



08h00-08h30

**Registration**

08h30 – 09h50

**Main speakers: Concepts and Methods in Programmed Cell Death and Autophagy**

Chair: Thomas Kaufmann

08h30 – 08h50

**Maria Tanzer (Melbourne, AU)**

*“Proteomics approaches to study cell signalling and cell death”*

08h50 – 09h10

**Miriam Erlacher (Freiburg, DE)**

*“What can(‘t) we learn from in vivo models?”*

~~09h10 – 09h30~~

~~**Nikolai Engedal (Oslo, NO)**~~

~~*“Cargo-based assays versus LC3 to monitor autophagy in mammalian cells”*~~

09h30 – 09h50

**Katja Cosentino (Osnabrück, DE)**

*“Biophysical approaches to membrane permeabilization in cell death”*

09h50 – 10h00

**Flash Poster Presentations (I)** (Posters will be on display the entire meeting)

**Lucien Hinderling** - Live or die: Controlling the fate of cells in a tissue in real time using feedback-control microscopy

**Ali JazaeriJouneghani** - The Function of TRIM28 as an RNA binding protein and its role in controlling BOK expression

**Simone Falco** - Understanding the role of cardiolipin in the response to oxidative stress in lung cancer

**Liyang Wu** - Targeting programmed death with small molecule inhibitors in non-small cell lung cancer

10h00 – 10h30 **Coffee Break and Visiting Exhibitor Booth**

10h30 – 11h00 **Alexander Eggel (ATANIS Biotech, CH)**  
*"From an academic discovery to starting a business"*

11h00 – 11h30 **Seamus Martin/Kevin Ryan (Editors-in-chief, FEBS/Molecular Oncology)**  
*"Tips for publishing in scientific journals"*

11h30 – 12h00 **Flash Poster Presentations (II)**  
*(Posters will be on display the entire meeting)*  
Chair: Philippe JeanRichard-dit-Bressel, Thomas Kaufmann

**Yun Qiu** - Ferroptosis can be modulated by inhibitors of anti-apoptotic Bcl-2 family members

**Tarek Amer** - Regulation of growth behavior in human cancer cells by SMAC

**Iliaria Cocchiara** - Pathomechanisms involved in the selective affection of skeletal muscle in X-linked Myopathy with Excessive Autophagy

**Svenja Nopper** - Autophagy Related Proteins in Antigen Processing by EBV-Transformed B Cells

**Mikhail Rudinskiy** - Mechanisms of ER-phagy Induction by Mammalian ER-phagy Receptors

**Sabine Schwenk** - FAS- and TRAIL-Receptor- induced apoptotic and non-apoptotic signaling in human B cells

**Akandé Rouchidane Eytayo** - Mechanisms of insertion and oligomerisation of the pro-apoptotic protein Bax in reconstituted membrane systems

**Sonia Brahim** - Kremen1 : An autophagy dependent cell death inducer?

**12<sup>th</sup> SWISS APOPTOSIS AND AUTOPHAGY (SA<sup>2</sup>M) MEETING (Langhans auditorium)**

12h00 – 13h00 **Registration and poster mounting at info desk**

13h00 – 13h05 **Welcome address**

13h05 – 14h15 **Session I: Cell Death/Cancer**  
Chair: Thomi Brunner

13h05 – 13h30 **Andreas Strasser (Melbourne, AU)**  
*"Determining the unique and overlapping apoptosis related and apoptosis unrelated functions of the BCL-2 family members"*

13h30 – 13h55 **Miriam Erlacher (Freiburg, DE)**  
*"The ambiguous role of apoptosis during leukemogenesis"*

13h55 – 14h20 **Inna Lavrik (Magdeburg, DE)**  
*"Dissecting the regulation of cell fate decisions in death receptor networks by pharmacological targeting"*

Selected short talks from abstracts (10+2 min):

14h20 – 14h32 **Gavin Fullstone**  
“Towards case-specific prediction and optimization of BH3-mimetic treatments”

14h32 – 14h44 **Joseph Menassa**  
“Development of novel, small molecular weight drugs to regulate cMyc”.

14h45 – 15h50 **Coffee Break, Visiting Exhibitor Booth and Poster Session (I)**

15h55 – 17h10 **Session II: Autophagy**  
Chair: Mario Tschan

15h55 – 16h20 **Elise Jacquin (Paris, FR)**  
“From autophagy to CASM, the busy life of autophagy proteins in immune cells”

~~15h55 – 16h20~~ **Nikolai Engedal (Oslo, NO)**  
“Role of LC3 and GABARAP proteins in bulk autophagy and PINK1/Parkin-independent mitophagy”

Selected short talks from abstracts (10+2 min):

16h20 – 16h32 **Erin Wosnitzka**  
“Investigating the role of secretory autophagy in shaping the synaptic surfaceome”

16h32 – 16h44 **Laura Talamini**  
“Targeting autophagy dysfunctions to treat inflammatory bowel diseases”

16h44 – 16h56 **Rocio Benitez Fernandez**  
“Cell corpse removal is dependent autophagy during retinal neurogenesis”

16h56 – 17h08 **Thomas Marti**  
“Lactate dehydrogenase B-mediated suppression of ferroptosis is a targetable dependence in cancer”

17h15 – 18h00 **Session III: Institute of Tissue Medicine and Pathology Talk - Translational Research**  
Keynote lecture. Introduction: Mario Tschan

**Marcus Conrad (Munich, DE)**  
“Ferroptosis: A Decade Before and After the Coining”

18h00 – 19h00 **Poster Session and Visiting Exhibitor Booth (II)**

19h30 – \_\_\_\_\_ **Conference BBQ Party.**  
 (“Heubühne”, Bernstrasse 77, 3018 Bern; [www.bienzgut.ch](http://www.bienzgut.ch))

**Friday, September 8<sup>th</sup>, 2023**

- 09h00 – 09h30      **Start your day with a coffee and networking**
- 09h30 – 11h15      **Session IV: Cell Death & Autophagy (in room H431):**  
Chair: Dagmar Kulms
- 09h30 – 09h55      **Stephen Tait (Glasgow, UK)**  
*"Mitochondria and cell death associated inflammation"*
- 09h55 – 10h20      **Devrim Gozuacik (Istanbul, TR)**  
*"Autophagy and tumor-stroma crosstalk"*
- 10h20 – 10h45      **Kevin Ryan (Glasgow, UK)**  
*"Connecting autophagy and inflammation to regulate cell death"*
- Selected short talks from abstracts (10+2 min):*
- 10h45 – 10h57      **Alicia Borgeaud**  
*"The behaviour of Apaf1 in apoptotic cells unveil apoptosome organization and dynamics in vivo"*
- 11h57 – 11h09      **Paolo Armando Gagliardi**  
*"Apoptosis-induced survival in epithelial homeostasis and cancer"*
- 11h09 – 11h21      **Aladin Haimovici**  
*"An essential contribution of the Caspase-Activated DNase (CAD) to senescence"*
- 11h21 – 11h33      **Mario Tschan**  
*"Anti-apoptotic, non-glycolytic function of hexokinase 3 (HK3) in AML cell therapy response"*
- 11h45 – 13h15      **Lunch Break, Visiting Exhibitor Booth and Poster Session (III)**
- 12:45 – 13:15      *LS<sup>2</sup> Section Autophagy Assembly (open to LS<sup>2</sup> members, H431)*
- 13h15 – 15h00      **Session V: Necro(pto)sis & Inflammation (Langhans auditorium)**  
Chair: Stephen Tait
- 13h15 – 13h40      **Hamid Kashkar (Cologne DE)**  
*"Deadly protein complexes and their role in inflammation"*
- 13h40 – 14h05      **Maria Tanzer (Melbourne, AU)**  
*"A proteomics perspective on the removal of dead cells"*

14h05 – 14h30 **Katja Cosentino (Osnabrück, DE)**  
*"Molecular mechanisms of inflammatory cell death"*

14h30 – 14h55 **Seamus Martin (Dublin, IE)**  
*"Stressing about inflammation"*

Selected short talks from abstracts (10+2 min):

14h55 – 15h07 **Mohamed Elmesery**  
*"Nitazoxanide sensitizes hepatic cancer cells to TRAIL-induced apoptosis"*

15h07 – 15h19 **Dagmar Kulms**  
*"Ferroptosis induction may overcome chemoresistance in mutp53(E285K)-expressing malignant melanoma"*

15h25 – 15h40 **Prizes and Closing Remarks**