

“Mechanisms of cell death”

Conference location: Fuengirola, Malaga Spain

June 6-June9, 2013

Organizers:

Covadonga Alonso, Simon Fulda, Carlos Martinez-A, Richard Lockshin, and Zahra Zakeri

Registration opens at 9 AM-6PM

Thursday June 6. 2:00pm – 8:30pm:

Welcome Introduction and awards: Scientific Sessions (Plenary room)

Chair: Zahra Zakeri, (USA)

2:00-2:15 pm Zahra Zakeri (U.S.A): Introduction and welcome:

2:15-2:30 Raymond Birge (U.S.A): Presenting Pioneer Award to Sten Orrenius.

2:30-2:45 Richard A. Lockshin (U.S.A): Presenting Award to Mauro Piacentini

2:45 -3:45 Mauro Piacentini (Italy): Regulation of Autophagy in Mammals: Initiation, signalling of cell death

Chair: Covadonga Alonso (Spain):

4:00-4:30 Michael Overholtzer (USA): Entosis and autophagy connections in death and survival

4:30-5:00 Will Wood (UK): Detecting death: Signal prioritisation in Macrophages

5:00-5:15 Abhishek Garg (Belgium): Autophagy induced by ROS in cancer cells, helps in evasion from immunogenic cell death

5:15-5:30 Luisa De Martino (Italy): Inhibition of Akt in cytopathic bovine viral diarrhoea virus-infected epithelial bovine cells affects both intrinsic and extrinsic pathways of apoptosis.

5:30-6:00 Coffee Break

Autophagy, Cancer and cell death I: Scientific Sessions (Plenary room)

Chair: Gian Maria Fimia (Italy)

6:00-6:30 Eileen White (USA): Role of autophagy in lung cancer

6:30-7:00 Antonio Zorzano (Spain): On the link between autophagy and apoptosis.

7:00-7:30 Sharad Kumar (Australia): Cell Death by Autophagy: Lessons from Drosophila

7:30-7:45 Jose Manuel Fuentes (Spain): Exacerbation of autophagy in LRRK2 mutant

7:45-8:00 Hannelore Maes (Belgium): Unraveling the in vivo mechanism of action of the autophagy inhibitor chloroquine in anti-cancer therapy

8:00-8:30 Patricia Boya (Spain): Autophagy: new roles during development and neurodegeneration

8.30-9:00 Welcome Drinks (Terrace Beatriz)

9:00 Dinner (Buffet Restaurant Doña Lola*)

Friday June 7. 9:00am –9:00 PM

Autophagy, Cancer and cell death II : Scientific Sessions (Plenary room)

Chair: Simone Fulda (Germany)

9:00-9:30am Maria Soengas (Spain): Development of a Lymphoreporter mouse for non-invasive imaging of antimetastatic agents in vivo

9:30-10:00am Wei-Xing Zong (USA): Proteotoxicity in cancer cells

10:00-10:30am Marie-Veronique Clement (Singapore): Caspase 3-dependent lysosome biogenesis: a new pathway involved in the inhibition of redox-induced tumorigenesis.

10:30-10:45 Katharina Belz (Germany): Smac mimetics enhance glucocorticoid-induced cell death in glucocorticoid-resistant pediatric acute lymphoblastic leukemia

10:45-11:00 Rodrigo Ureshino Portes (Brazil): P53 inhibition modulates differentially Ca²⁺ signaling and striatal viability in young and aged striatum upon UV and excitotoxic insults.

11:00-11:30 Coffee Break

Metabolism and cell death Scientific Sessions (Plenary room)

Chair: Ray Birge (USA)

11:30-12:00 Cristina Muñoz-Pinedo (Spain): Cell death by inhibition of glucose metabolism

12:00-12:30 Shazib Pervaiz (Singapore): There is more to Statins than cholesterol

12:30-1:00 Spencer Gibson (UK): When survival turns to death, understanding the regulation of reactive oxygen species in autophagy and apoptosis

1:00-1:15 Sergio Lavandero (Chile): Role of mitochondrial dynamics in life and death of cardiomyocyte

1:15-1:30 Nadezhda Mironova (Russia): Different mechanisms of tumoricidal action of pancreatic RNase A and microbial ribonuclease B1: alteration of miRNA profiles vs apoptosis induction

1:30-3:00 Lunch and Poster viewing (Salon Real I-II)

Proteases and more in cell death: Scientific Sessions (Plenary room)

Chair: Katharina d'Herde (Belgium)

3:00-3:30 Domagoj Vucic (USA): Ubiquitination regulates the activation of cell death pathways

3:30-4:00 Ingrid E. Wertz (USA): Ubiquitin Editing by A20: Molecular Mechanisms and Physiological Significance

4:00-4:30 Howard Fearnhead (Ireland): Collateral sensitivity and cell death

- 4:30-5:00 Coffee Break
- 5:00-5:15 Jan Kovar (Czech Republic): Caspase-2 plays a key role in cell death induction by taxanes in cancer cells
- 5:15-5:30 José A. Sánchez-Alcázar(Spain):Apoptotic microtubules delimits an active caspase free area in the cellular cortex during the execution phase of apoptosis.
- 5:30-6:00 Laszlo Fesus (Hungary): Neutrophil Extracellular Trap structure is stabilized by coagulation FXIIIa catalyzed formation of intermolecular protein crosslinks
- 6:00- 6:30 Boris Zhivotovsky (Sweden) Contribution of caspase-2 for cleavage of substrates during cell death
- 6:30-8:00 WORKSHOP ON BUILDING A CAREER IN SCIENCE: Panel Discussion on Tactics for Junior Scientists and Women.
- 9:00 Dinner (Buffet Restaurant Doña Lola*)

Saturday July 8 . 9:00am – 9:00 PM

Cell Stress and Cell Death : Scientific Sessions (Plenary room)

Chair: Boris Zhivotovsky (Sweden)

- 9:00-9:30am Ana Maria Cuervo (USA): Selective autophagy in the cellular response to stress
- 9:30-10:00am Nika Danial (USA): Integration of mitochondrial fuel utilization pathways and cellular stress responses
- 10:00-10:30am Angel F Lopez (Australia): Modulating the apoptotic cliff in cancer
- 10:30-10:45 Eva Szegezdi (Ireland): Resistance to TRAIL in non-transformed cells is due to multiple redundant pathways
- 10:45-11:00 Lorrie A. Kirshenbaum: Novel Alternative Splicing of Death Gene Bnip3 Promotes Cell Survival
- 11.00-11:30 Coffee Break

New Directions in the use of Micro RNA: Scientific Sessions (Plenary room)

Chair: Marianne J. Cronje (South Africa)

- 11:30-12:00 Devrim Gozuacik (Turkey): microRNAs as novel regulators of autophagy
- 12:00-12:30 Roya Khosravi-Far (USA): miRNAs: key regulators of cell death and survival
- 12:30-12:45 Alex Chenchik (USA): Pooled viability RNAi screens in xenograft mouse models
- 12:45-1:00 Lester Davids (South Africa): Melanoma cell death after hypericin-mediated pdt is related to the pigimentary phenotype.
- 1:00-1:30 Almudena Porras Gallo (Spain): Dual role of p38MAPK in cell death
- 1:30-3:00 Lunch

New directions: Scientific Sessions (Plenary room)

Chair: Tom Cotter (Ireland)

- 3.00- 3:30 Christoph Borner (Germany): The use of viruses and fungi to uncover novel apoptotic signaling pathways
- 3:30-3:45 Timothy Sargeant (U.K): Stat3 co-ordinately augments and exploits the lysosomal system for programmed cell death in the regressing mammary gland
- 3:45-4:00 Joanna Stanicka (Ireland): Ros driven genomic instability in acute Myeloid Leukaemia
- 4:00-4:30 Eli Arama (Israel): "A Time to Give Birth and a Time to Die" How do Sperm Cells Utilize the Cell Suicide Machinery to Promote New Lives
- 4:30-5:00 Luca Scorrano (Switzerland): The (mitochondrial) shape of death matters: lessons from animal models
- 5:00-5:300 Coffee Break

Immunity and cell death : Scientific Sessions (Plenary room)

Chair: Patrizia Agostinis (Belgium)

- 5:30-6:00 Marie-Lise Gougeon (France): Innate sensing of viral infection and triggering of immunity

6:00-6:30 Francesco Cecconi (Italy): The death/survival balance is regulated by autophagy genes in autoimmunity

6:30-7:00 Nigel Waterhouse (Australia): The role of anti-apoptotic proteins in failure of immunotherapy for advanced stage prostate cancer

7:00-7:45 Keynote speaker: Carlos Martinez-A,(Spain): Cell death in Stem cells

7:45-8:00 Wrap up. Sten Orrenius (Sweden):

9:00 Dinner (Gala Dinner)

Sunday June 9. : Departure