

Programa:

WEDNESDAY May 20th

16:00. Official Opening

16:15 IZASA presentation: "Image Analysis of Cells in Flow: Cell death & autophagy"

16:30-17:30, INAUGURAL CONFERENCE

Andreas Villunger; Medical University Innsbruck

(Chairman: Cristina Muñoz-Pinedo):

17:30-18:00 Coffee break

18:00-20:00. Session I. MOLECULAR MECHANISMS OF CELL DEATH: MITOCHONDRIA AND CASPASES

(Chairman: Mari Carmen Ruiz)

18:00-18:20 "Mitochondrial priming in endometrial cancer".

Mónica Sancho, Eva Colás, Jaume Reventós, Mar Orzáez.

18:20-18:40 "Modulating interactions among Bcl-2 proteins to improve cancer therapies".

Oscar Gonzalo, Laura Vela, Javier Naval, Isabel Marzo.

18:40-19:00 "Knocking out mitochondrial carrier homolog 1 in Drosophila"

Lidia Martínez-Sánchez, Ramiro Vicente Blasco, María Alejandra Nelo Bazán, Janne Markus Toivonen, Rafael Garesse, Miguel Fernández Moreno, Juan José Arredondo, José Alberto Carrodegas

19:00- 19:20 "Molecular mechanisms of Caspase-8 activation under glucose deprivation"

Raffaella Iurlaro, Daniel Palou-Gramon, Estefanía Lucendo y Cristina Muñoz-Pinedo

19:20-19:40 "Pro-caspase-9 activators for breast cancer treatment".

Yadira Palacios-Rodríguez, Tatiana Guevara, Christian De Ford, Pablo Luján, Mónica Sancho, Guillermo García-Laínez, Angel Messeguer, Enrique Pérez-Payá and Mar Orzáez.

19:40-20:00 "Low levels of DFF40/CAD in glioblastoma cells impair DNA laddering during caspase-dependent apoptosis".

María Sánchez Osuna y Víctor Yuste.

THURSDAY May 21st

09:00-11:00 SESSION II: CELL DEATH AND SURVIVAL

(Chairman: Mar Orzaez)

09:00-09:20 "Dictyostelium as a model to study cellular competition and programmed cell death"

Teresa Suárez y Enrique J. de la Rosa.

09:20 -09:40 "EndoG promotes cell division influencing embryonic cardiogenesis".

Natividad Blasco y Daniel Sanchis.

09:40-10:00 "PARP1-mediated regulation of survival pathways in glioblastoma"

Jara Majuelos and Javier Oliver

10:00-10:20 "Role of necroptosis in renal damage"

Ana B. Sanz, Diego Martin, Olga Ruiz Andrés, Alberto Ortiz

10:20 – 10:40 "Cyclin O preserves genomic stability and is necessary for ciliogenesis.

Marc Núñez, Alex Balsiger, Marta Garrido, Ramon Roset, Pablo Huertas, Carole Jung, Cristina Plata, Miguel A. Valverde and Gabriel Gil-Gómez.

10:40-11:00 "A pro-survival role for the plant metacaspase AtMC1 in proteostasis".
Núria Coll

11:00-11:30 Coffee break

11:30-13:30 SESSION III: AUTOPHAGY AND METABOLISM

(Chairman: Isabel Marzo)

11:30-11:50 "Role of autophagy during the development of the vertebrate nervous system."

Lorena Esteban, Esther Seco, Patricia Boya .

11:50-12:10 "Role of cholesterol in β -amiloid-induced autophagy"

E. Barbero, A Colell.

12:10-12:30 "Glucose deprivation and 2-deoxyglucose induce different forms of cell death but both are mediated by ATF4"

Clara Lucía León Annicchiarico, Silvia Ramirez-Peinado; Anika Gonsberg, Theodore Lampidis, Cristina Muñoz Pinedo.

12:30-12:50 "Macrophage autophagy induction by bioactive lipids".

Patricia Prieto Chinchilla, César Rosales, María Fernandez Velasco y Lisardo Boscá

12:50-13:10 " Glutamine metabolism and TRAIL sensitivity in breast carcinoma cells"
Marta Mauro y Abelardo López-Rivas

13:30-15:30 lunch

15:30- 17:30 SESSION IV: CELL DEATH IN NERVOUS SYSTEM

(Chairman: Victor Yuste).

15:30-15:50 "Lysosomal damage in a mouse model of retinal degeneration"

Ana Serrano-Puebla, Natalia Rodríguez-Muela, Alberto Miguel Hernández-Pinto, Lucía García-Ledo, Enrique J. de la Rosa and Patricia Boya.

15:50-16:10 "Involvement of P75, the pro-neurotrophin receptor, in retinal neurodegeneration".

María Platón y Enrique J. de la Rosa.

16:10-16:30 "Role of Siva-1 in the nervous system"

Elena Coccia and Joan Comella

16:30-16:50 "Role of the death receptor antagonist FAIM-L in axon degeneration".

Bruna Barneda-Zahonero and J. Comella

16:50-17:10 "Two extra FAIM isoforms"

Laura Planells-Ferrer and Joan Comella

17:30-18:00 Coffee break

18:00-20:00 DEATH RECEPTOR SIGNALING AND THERAPY.

(Chairman: Gael Roue)

18:00-18:20 "Dual role of MAPK/Erk pathway in the regulation of TRAIL sensitivity"

Ana Cano-González y Abelardo López-Rivas

18:20-18:40 "Highly bioactive formulations of Apo2l/TRAIL for cancer treatment"

Diego De Miguel Samaniego, Ana Gallego Lleyda, Miguel Martínez Ara, José María Ayuso Domínguez, Sandra Erviti Ardanaz, Ignacio Ochoa Garrido, Luis J. Fernández Ledesma, Celia del Agua Arias, Roberto Pazo Cid, Alberto Anel, Luis Martínez-Lostao.
18:40-19:00 "Synergistic activity of the IAPs inhibitor AEG40730 and the human anti-TRAIL-R1 antibody mapatumumab in in vitro and in vivo models of mantle cell lymphoma".

Anna Esteve, Alexandra Moros, Anna Gresely, Anna Bellmunt, Elisenda Casanelles, Vanina Rodríguez, Dolors Colomer, Antonio Martínez, Victor J Yuste, Patricia Pérez-Galán, and Gaël Roué.

19:00-19:20 "Different approaches to sensitize Glioblastoma cells to TRAIL-induced apoptosis"

Santiago Serrano, Abelardo López-Rivas, Javier Oliver

19:20-19:40 "TNF α sensitizes neuroblastoma cells to FasL-, cisplatin-, and etoposide-induced cell death by NF κ B-mediated expression of Fas".

Koen Galenkamp and Joan Comella.

19:40-20:00 "Lipid raft platforms in apoptosis regulation"

Faustino Mollinedo & Consuelo Gajate

FRIDAY May 22nd

09:00-10:20 SESSION VI: SESSION V: IMMUNE SYSTEM

(Chairman: Luis Martínez-Lostao)

09:00-09:20 "Activation of human allogeneic Natural Killer cells to target chemoresistant cancer cells"

Pilar Lanuza, Diego Sánchez, Santiago Costas and Julián Pardo

09:20-09:40 Cell-to-cell protein transfer from multiple myeloma (MM) cells to cord blood derived natural killer cells (CB-NK) and from CB-NK to MM. Implications for cell death and tumor cell survival"

Beatriz Martín-Antonio, Erica Serrano, Alvaro Urbano-Ispizua

09:40-10:00 "Role of inflammation and cell death induced by granzymes A and B during inflammatory colorectal carcinoma"

Llipsis Santiago, Marta Castro, Maykel Arias, Paula Jaime, Guillermo Muñoz, Angel Ferrandez, Anabel Alcalde and Julián Pardo.

10:00-10:20 "Granulysin as novel anti-tumoral therapy: Precilnical studies"

Sameer Al-Wasaby, Diego de Miguel, Adriana Aporta, Javier Naval, Laura Sanz, Blanca Conde, Luis Martínez-Lostao, Alberto Anel

10:20-10:40 Coffee break

10:40-12:40 SESSION VII: CANCER

(Chairman: Abelardo Lopez)

10:40-11:00 " BMP9-induced survival effect in hepatocarcinoma cells requires p38MAPK activation "

María García-Álvaro, Annalisa Addante, César Roncero, Margarita Fernández, Isabel Fabregat, Aránzazu Sánchez and Blanca Herrera.

11:00-11:20 "Disruption of MYC signalling by BET bromodomain inhibition in B-cell lymphoma".

Anna Esteve, Alexandra Moros, Anna Gresely, Anna Bellmunt, Elisenda Casanelles, Vanina Rodríguez, Dolors Colomer, Antonio Martínez, Victor J Yuste, Patricia Pérez-Galán, and Gaël Roué.

11:20-11:40 "Mechanism of apoptosis induced by hydralazine leukemic T cells".

M José Ruiz-Magaña, Estefanía Lucendo, Diana Campillo, M. Carmen Ruiz-Ruiz

11:40-12:00 "The prohibitin-binding compound fluorizoline induces the mitochondrial apoptotic pathway through Noxa and Bim upregulation."

José Saura-Esteller, Cristina Moncunill-Massaguer, Alba Pérez-Perarnau, Claudia Mariela Palmeri, Sonia Núñez-Vázquez, Ana M. Cosialls, Diana M. González-Gironès, Helena Pomares, Anne Korwitz, Sara Preciado, Fernando Albericio, Rodolfo Lavilla, Gabriel Pons, Thomas Langer, Daniel Iglesias-Serret and Joan Gil.

12:00-12:20"Effect of Carfilzomib and its combination with Chloroquine in Multiple Myeloma cells"

Vidal Jarauta, Paula Jaime, Isabel Marzo, Julián Pardo, Javier Naval

12:20-12:40 "Biomimetic microfluidic devices: Advanced tumor models for apoptosis monitoring"

Vigueras A., Virumbrales M., Olave M., Monge R., Ayuso J.M., Llamazares G., Ochoa I and Fernandez L.