

- 1:00-3:00** Registration
- 3:00-3:30** Welcome coffee
- 3:30-3:40** **Zahra Zakeri**, Queens College City University of New York, USA
Welcome remarks and introduction to our society
- 3:40-3:50** **Şükrü Dilege**, Dean of Koç University School of Medicine, Turkey
- 3:50-4:00** **Mehmet Kaya**, Director of Koç University Research Center for Translational Medicine, Turkey
- 4:00-4:10** **Hasan Mandal**, Head of The Scientific and Technological Research Council of Turkey

Session 1: ICDS Awardees

Chair: Zahra Zakeri, Queens College City University of New York, USA

- 4:10-4:20** **Richard Lockshin**, St. John's University, USA
A Tribute to Dr. Andrew Wyllie
- 4:20-4:30** **Richard Lockshin**, St. John's University, USA
Introduction of Awardee
- 4:30-5:15** **Gabriel Nuñez**, University of Michigan Ann Arbor, USA
Host-Microbiota Interactions in Health and Disease
- 5:15-6:00** **Raymond Birge**, New Jersey Medical School, USA
Efferocytosis and immune escape in cancer
- 6:00-6:15** **Presentation of Awards**
- 7:00-9:00** **WELCOME RECEPTION**

Session 2: Models for Studying Cell Death

Chair: Katharina D'Herde, Ghent University, Belgium

- 9:00-9:30** **J. Marie Hardwick, Johns Hopkins University, USA**
Microorganisms also undergo programmed cell death
- 9:30-10:00** **Eli Arama, Weizmann Institute of Science, Israel**
The Rise and Fall of a Giant: Mechanisms underlying the formation of the Drosophila sperm giant mitochondrion and its elimination after fertilization
- 10:00-10:30** **Hermann Steller, Rockefeller University, USA**
Spatio-temporal regulation of protein degradation in neuronal function and death
- 10:30-11:00** **Coffee Break**

Session 3: Autophagy and cell death

Chair: Nazlı Başak, Koç University, Turkey

- 11:00-11:30** **Adi Kimchi, Weizmann Institute of Science, Israel**
Non-canonical mechanisms of mRNA translation control the fate of autophagy addicted cancer stem-like cells
- 11:30-12:00:** **Devrim Gözüaçık, Koç University, Turkey**
Autophagy and cancer
- 12:00-12:15** **Dhyan Chandra, Roswell Park Comprehensive Cancer Center, USA**
Novel Insights on Apoptosome and Mitochondrial Dysfunction in Cancer
- 12:15-12:30** **Ömer Aydın, Erciyes University, Turkey**
The effect of LC3 siRNA and doxorubicin dual treatment against breast cancer
- 12:30-2:00** **Lunch**



Session 4: Mitochondria and Cell Death

Chair: Mehmet Öztürk, Tınaztepe University, Turkey

- 2:00-2:30** **Jerry Chipuk**, Icahn School of Medicine at Mount Sinai, USA
Mitochondrial Contributions to Cancer
- 2:30-3:00** **Boris Zhivotovsky**, Karolinska Institute, Sweden
Targeting of Bcl-2 family proteins for cancer cell sensitization to therapy
- 3:00-3:30** **Shazib Pervaiz**, National University of Singapore, Singapore
Crosstalk between phosphorylation dependent stability of Mcl-1 and Akt in redox regulation of cancer cell fate
- 3:30- 4:00** **Coffee Break**

Session 5: Cell Death in Therapeutics and Translational Medicine

Chair: Hüveyda Başağa, Sabancı University, Turkey

- 4:00- 4:30** **Elif Nur Fırat Karalar**, Koç University, Turkey
Proteostatic regulation of the mammalian centrosome/cilium complex
- 4:30-5:00** **Havva Funda Yağcı Acar**, Koç University, Turkey
Theranostic nanoparticles in cancer treatment and beyond
- 5:00-5:30** **Peter Vandenabeele**, Ghent University, Belgium
Cell death and intercellular communication
- 5:30- 7:30** **Poster Presentations**
- 7:30-** **Chairs and speakers' dinner**



Session 6: Cell Death in Therapeutics and Translational Medicine

Chair: Melek Öztürk, Istanbul University- Cerrahpaşa, Turkey

- 9:00-9:30** **Samuel Katz, Yale University, USA**
Single cell analysis of tumor infiltrating lymphocytes (TILs) undergoing rapid expansion for melanoma therapy
- 9:30-10:00** **Özgür Öktem, Koç University, Turkey**
Chemotherapy-induced oocyte death and ovarian damage: The molecular mechanisms, prevention and clinical consequences
- 10:00-10:15** **İrem Durmaz Şahin, Koç University, Turkey**
Identification of new strategies to overcome drug resistance in high grade serous ovarian cancer
- 10:15-10:30** **Sanket More, KU Leuven, Belgium**
Secreted Apolipoprotein E (ApoE) acts as autocrine molecular mediator of ferroptosis resistance in drug-tolerant melanoma
- 10:30-11:00** **Coffee Break**

Session 7: Immunity and Cell Death

Chair: Yasemin Özdemir, Koç University, Turkey

- 11:00-11:30** **Dmitri Krysko, Ghent University, Belgium**
Modulation of the tumor micro-environment by immunogenic cell death
- 11:30-12:00** **Nesrin Özören, Boğaziçi University, Turkey**
NLRP7 in early human embryogenesis
- 12:00- 2:00** **Lunch (ICDS Board Meeting)**

Session 8: Biomolecules Related to Cell Death

Chair: Elif Damla Arısan, Gebze Technical University, Turkey

- 2:00-2:30** **Mauro Piacentini, University of Rome, Italy**
The role of Transglutaminase type 2 in hepatocarcinogenesis
- 2:30-3:00** **Tuğba Bağcı Önder, Koç University, Turkey**
The role of chromatin modifiers in the acquisition and overcoming of chemoresistance
- 3:00-3:15** **Nesibe Peker, Koç University, Turkey**
A novel protein complex comprising autophagy and ubiquitin proteasome system proteins potentiates autophagic clearance of mitochondria

3:15-3:30 **Ezgi Yağmur Kala**, Koç University, Turkey
Epigenetic-focused CRISPR/Cas9 screen identifies ASH2L as a regulator of glioblastoma cell survival

3:30-4:00 **Coffee Break**

Session 9: Chromosomes and Cell Death:

Chair: Engin Ulukaya, İstinye University, Turkey

4:00-4:30 **Shai Shaham**, The Rockefeller University, USA
Linker cell-type death (LCD): insight into the cell biology of the nucleus

4:30-5:00 **Roya Khosravi-far**, Massachusetts Institute of Technology, USA
Evolving state of COVID testing

5:00-5:15 **Merve Kara**, Izmir Institute of Technology, Turkey
Genome-wide identification and characterization of stable intronic sequence RNAs under apoptotic conditions in HeLa cells

5:15-5:30 **Elif Damla Arisan**, Gebze Technical University, Turkey
Lipid regulation pathways determine the CDK inhibitors mediated therapeutic fate in pancreas cancer cells

5:30-6:00 **Ceyda Açılan Ayhan**, Koç University, Turkey
Can unclustering centrosomes and induction of multipolarity be a selective way to target cancer cells?

6:00-6:15 **Zahra Zakeri**, Queens College City University of New York, USA
Closing Remarks

8:00- **GALA DINNER**

MEETING END

