



Program



Sunday, 18th June

08:00 *Gathering and registration*

09:00-09:40

The Israeli Society for Developmental Biology (IsSDB) Award

- 09:00 **Zahra Zakeri**, Queens College, USA
Opening remarks by the ICDS president
- 09:05 **Eli Arama**, Chairperson of the IsSDB, Weizmann Institute of Science, Israel
Presenting Award to Benny Shilo
- 09:10 **Benny Shilo**, Weizmann Institute of Science, Israel
Developmental biology: Looking back and planning ahead
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09:40-13:10 SESSION I

Mechanisms of Cell Death in Development

Chair: **David Sprinzak**, Tel Aviv University, Israel

- 09:40 **Adi Salzberg**, Technion, Israel
Autophagy serves as a backup cell-death mechanism to ensure the removal of unwanted cells during chordotonal organ development
- 10:10 **Sivan Henis-Korenblit**, Bar-Ilan University, Israel
It's all in your mind - non-autonomously regulation of germ cell fate by neuronal cues
- 10:40 *Coffee*
- 11:10 **Yaron Fuchs**, Technion, Israel
A Novel Mechanism Regulating Organ Size and Skin Regeneration
- 11:40 **Hila Toledano**, University of Haifa, Israel
The resistance mechanism of the *Drosophila* germline stem cell niche to apoptosis
- 12:10 **Eli Arama & Lama Tarayrah**, Weizmann Institute of Science, Israel
Living with caspases and dying without them
- 12:40 **Hermann Steller**, Rockefeller University, USA
Signaling by apoptotic cells in development and cancer
- 13:10 *Lunch*



14:40-17:00 SESSION II

Cell Death in Neuronal Development and Disease

Chair: **Offer Gerlitz**, The Hebrew University of Jerusalem, Israel

- 14:40 **Avraham Yaron**, Weizmann Institute of science, Israel
The role of the apoptotic system in axonal pruning
- 15:10 **Yoram Groner**, Weizmann Institute of Science, Israel
Molecular insights into cell type specification during Dorsal Root Ganglia (DRG) development
- 15:40 **Shai Shaham**, Rockefeller University, USA
The molecular biology of LCD, a prevalent conserved non-apoptotic developmental cell death program
- 16:10 **Gines Morata**, Centro de Biologia Molecular in Madrid, Spain
Short-term activation of the Jun N-terminal Kinase pathway in apoptosis-deficient cells of Drosophila causes tumorigenesis
- 16:40 *Coffee*
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17:00-19:15 SESSION III

The ICDS Career Award

Chair: **Zahra Zakeri**, Queens College CUNY, USA

- 17:00 **Zahra Zakeri**, Queens College, USA
President of the ICDS
- 17:15 **Richard A. Lockshin**, St. John's University, USA
Presenting Award to David Wallach
- 17:30 **David Wallach**, Weizmann Institute of Science, Israel
A 'Sanhedrin Verdict' in the induction of cell death and inflammation by the TNF family: all the way down to the effector stage
- 18:15 **Eli Arama**, Weizmann Institute of science, Israel
Presenting Award to Barbara Conradt
- 18:30 **Barbara Conradt**, LMU Munich, Germany
Regulation of programmed cell death during C. elegans development
- 19:15 *Dinner*
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Monday, 19th June

09:00-11:15 SESSION IV

Cell Death Signaling

Chair: **Afshin Samali**, NUI Galway, Ireland

- 09:00 **Andreas Bergmann**, Umass Medical School, USA
Non-apoptotic Roles of Caspases for Proliferation and Cancer in Drosophila
- 09:30 **Pedro Domingos**, ITQB NOVA, Portugal
The Fbox protein CG6758 is required for Xbp1-induced cell death in the Drosophila eye
- 10:00 **Christoph Borner**, University of Freiburg, Germany
Identification of a novel anoikis signaling pathway using the fungal pathogen gliotoxin
- 10:15 **Howard Fearnhead**, NUI Galway, Ireland
DNA-damage induced myoblast differentiation
- 10:30 **Keren Yacobi-Sharon**, Weizmann Institute of Science, Israel
A somatic Warts-Yorkie cascade controls an alternative cell death pathway in the male germ cells
- 10:45 *Coffee*
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11:15-12:45 SESSION V

Cell Death, Mitochondria and Metabolism I

Chair: **Sam Katz**, Yale, USA

- 11:15 **Jerry Chipuk**, Mount Sinai, USA
BAX-dependent mitochondrial outer membrane permeabilization: exquisitely regulated to the point of death
- 11:45 **Avi Ashkenazi**, Genentech, USA
Control of Apoptosis by the Unfolded Protein Response
- 12:15 **Dhyan Chandra**, Roswell Park Cancer Institute, USA
Regulation of mitochondrial apoptosis by OXPHOS complexes and unfolded protein response in cancer
- 12:30 **Lorrie Kirshenbaum**, University of Manitoba, Canada
PDK2-mediated alternative splicing switches Bnip3 from cell death to cell survival
- 12:45 *Lunch*
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14:15-15:30 SESSION VI

Cell Death, Mitochondria and Metabolism II

Chair: **Katharina D'Herde**, University in Ghent, Belgium

- 14:15 **Jean-Ehrland Ricci**, Inserm Nice, France
Metabolism and cancer: from basic to translational research
- 14:45 **Atan Gross**, Weizmann Institute of science, Israel
MTCH2: A new regulator of mitochondria function in healthy and stressed cells
- 15:15 **Sam Katz**, Yale, USA
BOK Controls Calcium Transfer Through ER-Mitochondrial Contact Sites
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15:30-16:00 Flash Talks

Chair: **Zvi Fishelson**, Tel Aviv University, Israel

- 15:30
1. **Aviva Tolkovsky**, University of Cambridge, UK
 2. **Anna Vesting**, Max-Planck Institute, Germany
 3. **Petr Daniel**, Charles University, Czech Republic
 4. **Chen Zhi Xiong**, National University of Singapore
 5. **Michael Milyavsky**, Tel Aviv University, Israel
 6. **Anna Geueke**, University of Cologne, Germany
 7. **Inna Rabinovcich-Nikitin**, University of Manitoba, Canada
 8. **Naama Dekel**, Weizmann Institute of science, Israel
 9. **Amiram Ariel**, University of Haifa
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16:00 *Coffee*

16:30-18:00 SESSION VII

Cell Death Signaling II

Chair: **Shazib Pervaiz**, National University of Singapore

- 16:30 **Sarit Larisch**, University of Haifa, Israel
ARTS protein regulates apoptosis and tumor suppression by causing degradation of both XIAP and Bcl-2
- 17:00 **Seamus J. Martin**, Trinity College Dublin, Ireland
Counterintuitive functions of 'death receptors' that promote cell survival
- 17:30 **Maxime Bouchard**, McGill University, Canada
Morphogenetic Apoptosis is a Driving Force of Urinary Tract Development
- 18:00 *Poster Session*
- 20:00 *Dinner*
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Tuesday, 20th June

09:00-11:30 SESSION VIII

Immunity and Clearance of Dying Cells I

Chair: **Hanna Engelberg-Kulka**, The Hebrew University of Jerusalem, Israel

- 09:00 **Shigekazu Nagata**, Kyoto University, Japan
Exposure of phosphatidylserine during apoptosis and engulfment of dead cells
- 09:30 **Dror Mevorach**, The Hebrew University of Jerusalem, Israel
Apoptotic cells induce NF- κ B and inflammasome negative signaling in inflammatory and cancer mice models
- 10:00 **Ze'ev Ronai**, Sanford Burnham Prebys La Jolla, USA & Technion, Israel
SHARPIN-PRMT5, a new regulatory axis in melanomagenesis
- 10:30 **Dmitri Krysko**, University in Ghent, Belgium
Vaccination with necroptotic cancer cells induces efficient anti-tumor immunity
- 10:45 **Harris Perlman**, Northwestern University, USA
Bim suppresses the development of SLE by limiting macrophage inflammatory responses in a cell death autonomous manner
- 11:00 *Coffee*
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11:30-12:45 SESSION IX

Immunity and Clearance of Dying Cells II

Chair: **Simone Fulda**, Goethe-University; DKFZ, Germany

- 11:30 **Raymond Birge**, Rutgers, USA
Efferocytosis by Phosphatidylserine Receptots
- 12:00 **Estee Kurant**, University of Haifa, Israel
Molecular mechanisms of apoptotic cell clearance during CNS development
- 12:30 **Tal Burstyn-Cohen**, The Hebrew University of Jerusalem, Israel
Protein S (PROS1) mediates the clearance of apoptotic cells and debris by professional phagocytes in resolving inflammation and injury
- 12:45 *Lunch*



14:15-16:00 SESSION X

Cell Death in Disease

Chair: **Marianne J Cronje**, University of Johannesburg, South Africa

- 14:15 **Valery Krizhanovsky**, Weizmann Institute of Science, Israel
Directed Elimination of Senescent Cells by Inhibition of BCL-2 family of proteins
- 14:45 **Eric Solary**, Gustave Roussy, France
Inhibition of non-apoptotic functions of caspases modulates tissue macrophage functions
- 15:15 **Annie Joubert**, University of Pretoria, South Africa
From in silico design of 2-methoxyestradiol analogues to in vitro analysis and determination of in vivo detection limits in mice serum
- 15:30 *Coffee*
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16:00-18:00 SESSION XI

Autophagy and Cell Death

Chair: **Reuven Stein**, Tel Aviv University, Israel

- 16:00 **Francesco Cecconi**, University of Rome, Italy
Autophagy and cell division: of centrosomes, mitosis and cancer
- 16:30 **Adi Kimchi & Santosh Kumar**, Weizmann Institute of Science, Israel
Systems level view of programmed cell death: from basic principles towards clinical implications in precision cancer therapy
- 17:00 **Devrim Gozuacik**, Sabanci University, Turkey
Novel Regulators of Autophagy
- 17:30 **Sounak G Roy**, Queens College CUNY, USA
The Dengue 2 whole virus and its non-structural NS4A protein protect cells and initiate viral translation by the activation of autophagy through multiple pathways
- 17:45 **Helena Jernberg Wiklund**, Uppsala University, Sweden
Epigenetic regulation of Polycomb targets in multiple myeloma -implications for biology and therapy
- 20:00 *Gala Dinner*