

The International Cell Death Society Presents

Cell Death Through The Ages: 25th Anniversary Meeting

June 27 – 30, 2019

Icahn School of Medicine at Mount Sinai

Organizers:

Jerry E. Chipuk
Richard A. Lockshin
Zahra Zakeri

#ICDS2019NYC



Mount
Sinai



WELCOME TO NEW YORK

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A Message From The Conference Organizers

We are delighted to welcome you to the 25th Anniversary Meeting for the International Cell Death Society.

This meeting aims to assemble many of the global leaders in the field to encourage communication, collaboration, and the spirit of academic science ensuring the longevity and impact of our discipline. From the program, you will notice that assembled speakers and poster presenters represent the spectrum of academic rank and experience, and we are proud to unite the senior and junior leaders in the field.

Over the next few days, we will assemble at the Icahn School of Medicine to share our discoveries; and we cannot emphasize enough that the presentations, both oral and poster, are the most crucial aspects to ensure the success of the meeting for all delegates. After the talks, at the posters --- ask questions, engage your colleagues, and actively motivate those around you, from the 1st time delegate to the most senior. Likewise, we have multiple social opportunities aimed to unite friends, colleagues, and all levels of trainees --- so we encourage your attendance and participation.

Finally, it is an honor to host you in New York City, and wish everyone a successful and enjoyable meeting.



Jerry Edward Chipuk
Icahn School of Medicine
at Mount Sinai



Zahra Zakeri
Queens College
City University of New York



Richard Lockshin
St. John's University

About The International Cell Death Society

On behalf of the International Cell Death Society, the organizing committee, and our hosts, we welcome you all and offer our wishes for a successful meeting and very pleasant stay in New York. The Society was first established as a discussion group at The Rockefeller University in 1994 before holding our first two official meetings in New York in 1996 and 1998. Since then, the Society has grown and have met annually for official meetings since 2007.

Fast Facts:

- The International Cell Death Society aims to promote a better understanding of the mechanisms of cell death, establishing communication among the various branches of the research, and coordinating the application of research findings.
- The International Cell Death Society has approximately 300 members and is actively involved in sponsoring local meetings various locations around the United States as well as the annual international meeting. Members receive new bulletins on current events and discounted registration prices for all meetings
- The Society actively solicits the ideas and suggestions from members in order to promote integration of the ideas and to support communication of knowledge in the broadest interpretation of the field.

International Cell Death Society website: www.celldeath-apoptosis.org

The society's web page is for benefit of the research and clinical communities. Suggestions for improving the content and design of the website are welcomed. Members are encouraged to submit original artwork and digital images.

For more information contact Richard Lockshin: rlockshin@gmail.com

Location: Hotel Wales, Carnegie Lounge, 2nd Floor (1295 Madison Avenue)

3:00 - 4:00 **Registration**

4:00 - 4:15 **Zahra Zakeri** Queens College, U.S.A.
Jerry Edward Chipuk Icahn School of Medicine at Mount Sinai, U.S.A.
Welcome remarks

Session 1: How To SucCED-9 In Business Without Really Dying

Chair: Samuel Katz Yale University, U.S.A.

4:15 - 4:30 **Richard Lockshin** St. John's University, U.S.A.
Programmed cell death — What does it mean today?

4:30 - 4:55 **Pierre Golstein** Centre d'immunologie de Marseille-Luminy, France
What has become of the CTLAs?

4:55 - 5:20 **J. Marie Hardwick** Johns Hopkins Medicine, U.S.A.
Conservation and diversity of fungal cell death mechanisms

5:20 - 5:45 **Hermann Steller** The Rockefeller University, U.S.A.
Regulation of proteolysis in cell death and life

5:45 - 6:10 **Lorrie Kirshenbaum** University of Manitoba, Canada
Dual mitophagy and necrosis dependent pathways functionally couple mitochondrial Bnip3 to doxorubicin cardiomyopathy

6:30 - 8:30 **Welcome Reception: Hotel Wales Rooftop**



Location: Icahn School of Medicine at Mount Sinai, Hatch Auditorium, Guggenheim Pavilion
(1468 Madison Avenue)

Session 2: The 25th Annual Putnam County Spelling BCL2

Chair: Raymond Birge Rutgers Cancer Institute of New Jersey, U.S.A.

- 9:00 - 9:25** **Boris Zhivotovsky** Karolinska Institute, Sweden
Involvement of autophagy in the outcome of mitotic catastrophe
- 9:25 - 9:50** **Evripidis Gavathiotis** Albert Einstein College of Medicine, U.S.A.
Targeting BAX in cell death
- 9:50 - 10:15** **Sarit Larisch** University of Haifa, Israel
Regulation of apoptosis by selective deregulation of anti apoptotic proteins using protac-like ARTS mimetic small molecules

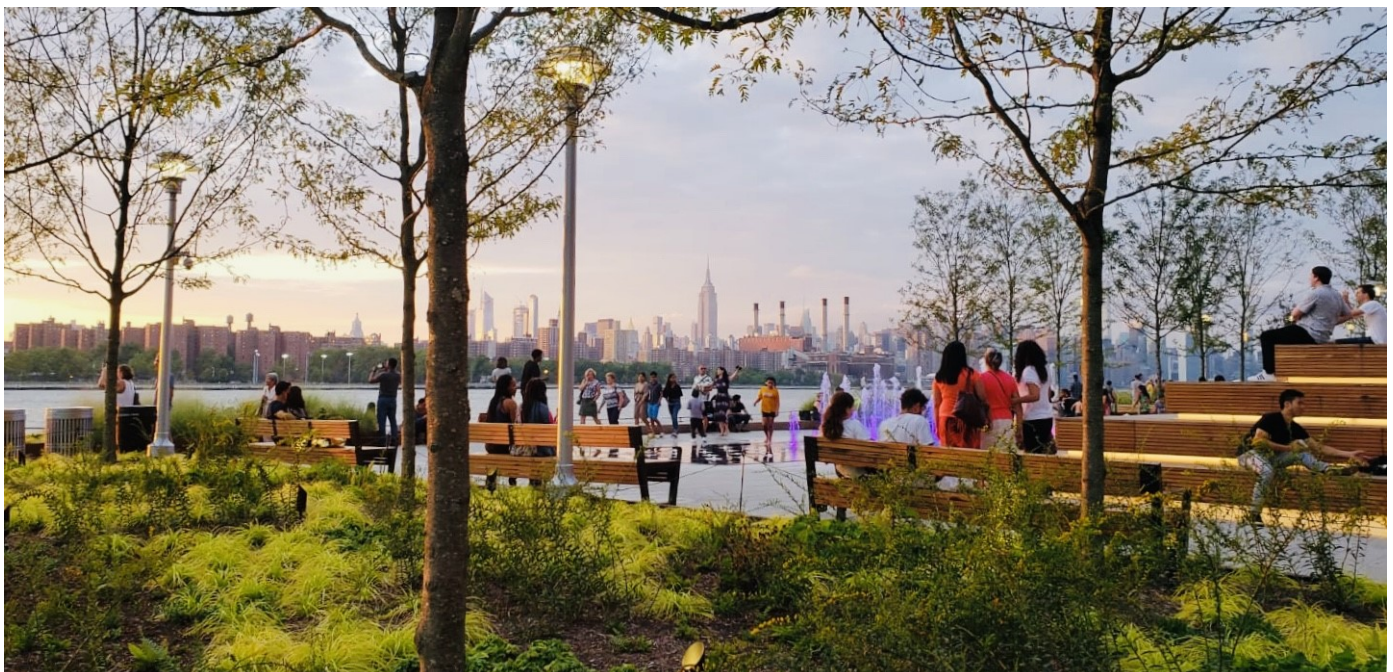
10:15 - 10:45 **Coffee Break**

Session 3: Man Of La Mitochondria

Chair: Soraya Smaili Universidade Federal de Sao Paulo, Brazil

- 10:45 - 11:10** **Shazib Pervaiz** National University of Singapore, Singapore
Crosstalk between GTPase RAC1 and BCL-2 promotes cancer cell survival via redox-dependent sustained serine 70 phosphorylation of BCL-2
- 11:10 - 11:35** **Vivian Gama** Vanderbilt University, U.S.A.
Protecting and powering the brain: mitochondrial stem cell fate and early neurogenesis
- 11:35 - 12:00** **Stephen Tait** Beatson Institute, United Kingdom
First among equals - Mitochondrial heterogeneity, cell death, and cancer

12:00 - 2:00 **Lunch & Poster Session (Guggenheim Pavilion)**
Even numbers from 12:00 - 1:00; Odd numbers from 1:00 - 2:00



Location: Icahn School of Medicine at Mount Sinai, Hatch Auditorium, Guggenheim Pavilion
(1468 Madison Avenue)

Session 4: *La Cage Aux Falling Leaves*

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

- 2:00 - 2:25** **Adi Kimchi** **Weizmann Institute of Science, Israel**
The protein interaction map of programmed cell death: From basic principles to a therapeutic vision
- 2:25 - 2:50** **Shai Shaham** **The Rockefeller University, U.S.A.**
LCD, a prevalent conserved non-apoptotic cell death program in health and disease
- 2:50 - 3:15** **Scott Dixon** **Stanford University, U.S.A.**
A compendium of cell death modulatory profiles identifies ferroptosis regulators
- 3:15 - 3:30** **Jesse Gelles** **Icahn School of Medicine at Mount Sinai, U.S.A.**
Single-cell and population-level analysis using real-time kinetic labeling
- 3:30 - 3:45** **Yuko Ikegawa** **Riken Institute, Japan**
Discovery of the first drosophila BH3-only protein Sayonara

3:45 - 4:00 **Coffee Break**

Session 5: *PIDder On The Roof*

Chair: Jerry Edward Chipuk **Icahn School of Medicine at Mount Sinai, U.S.A.**

- 4:00 - 4:25** **Guido Kroemer** **University of Paris Descartes, France**
Immunogenic cell death - A central paradigm for antineoplastic therapies
- 4:25 - 4:50** **Andrew Oberst** **University of Washington, U.S.A.**
Necroptosis minus cell death equals antiviral immunity in the brain
- 4:50 - 5:15** **Julie Magarian Blander** **Weill Cornell Medicine, U.S.A.**
Cell death in the intestinal epithelium
- 5:15 - 5:30** **Hogan Tang** **The Johns Hopkins University School of Medicine, U.S.A.**
Anastasis: A natural cell recovery phenomenon
- 5:30 - 5:55** **Seamus Martin** **Trinity College, Ireland**
Cell stress and inflammation
- 5:55 - 6:00** **Jerry Edward Chipuk** **Icahn School of Medicine at Mount Sinai, U.S.A.**
Adjournment for the day



Location: Icahn School of Medicine at Mount Sinai, Hatch Auditorium, Guggenheim Pavilion
(1468 Madison Avenue)

Session 6: Sunday In the PARKIN With George

Chair: Dhyan Chandra Rosewell Park Comprehensive Cancer Center, U.S.A.

- 9:00 - 9:25** **Mauro Piacentini** University of Rome, Italy
Role of transglutaminase type 2 in autophagy and metabolic reprogramming: 25 years after
- 9:25 - 9:50** **Patrizia Agostinis** KU Leuven, Belgium
Autophagy regulation of cancer cell-stromal cell interactions
- 9:50 - 10:15** **Francesco Cecconi** University of Rome, Italy
Autophagy and cell death, the “sky and water” paradox

10:15 - 10:45 **Coffee Break**

Session 7: VicmTOR/Victoria

Chair: Marianne Cronjé University of the Witwatersrand, South Africa

- 10:45 - 11:10** **Sharad Kumar** University of South Australia, Australia
Mechanisms and regulation of autophagy-dependent death
- 11:10 - 11:35** **Devrim Gözüaık** Sabanci University, Turkey
Novel mechanisms of autophagy regulation
- 11:35 - 11:50** **Eli Arama** Weizmann Institute of Science, Israel
Parthanatos steps out of the shadows of cell death and into the developmental spotlight
- 11:50 - 12:05** **Marie Arenian Henriksson** Karolinska Institutet, Sweden
MYCN-mediated metabolic processes in MYCN-amplified neuroblastoma

12:05 - 1:30 **Lunch for Conference Delegates (Central Park)**
ICDS Board Meeting (Annenberg Building, 11th Floor, Levy Library, Learning Lab)

Session 8: Death Of A Cellsman

Chair: Anna-Mart Engelbrecht Stellenbosch University, South Africa

- 1:30 - 1:55** **Scott Lowe** Memorial Sloan Kettering Cancer Center, U.S.A.
Restoring tumor suppression in advanced cancers
- 1:55 - 2:20** **Douglas Green** St. Jude Children’s Research Hospital, U.S.A.
Mind melt: FADD, caspase-8, MLKL, and inflammation interactions in the control of lethal inflammation
- 2:20 - 2:45** **Samuel Sidi** Icahn School of Medicine at Mount Sinai, U.S.A.
New players in PIDDosome signaling
- 2:45 - 3:10** **Simone Fulda** Goethe University, Germany
Novel opportunities to target cell death pathways in cancer
- 3:10 - 3:35** **Tuğba Bağcı Önder** Ko University, Turkey
Epigenetic vulnerabilities of therapy resistant glioblastoma
- 3:35 - 4:00** **Marc Diederich** Seoul National University, South Korea
Cardiac glycosides as modulators of cancer cell death
- 4:00 - 4:15** **Zahra Zakeri** Queens College, U.S.A.
Closing remarks & adjournment

6:30 - 10:00 **Gala Dinner & Manhattan Cruise**
11th Avenue near West 21st Street, Chelsea Piers, Pier 61 Entrance, Spirit of New York
Arrival at 6:30 is necessary to ensure boarding
