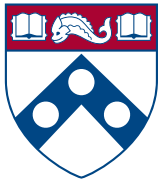


PCGI/MFCIR Joint Symposium: Intersections of Genome Integrity & Immunotherapy

Monday, June 12, 2023 from 9:30 am - 6:30 pm

Smilow Auditorium & Commons



MFCIR @ Penn

IMMUNOTHERAPY
IMMUNE SIGNALING
RADIATION

Program

9:30-10:00 am

Registration and light breakfast buffet
Smilow Commons

Session One: Sensing of endogenous RNAs by the innate immune response

Moderator: Roger A. Greenberg, MD, PhD

10:00-10:05 am

Introduction

Andy Minn, MD, PhD

Director, Mark Foundation Center for Immunotherapy, Immune Signaling, and Radiation
Professor of Radiation Oncology
University of Pennsylvania Perelman School of Medicine

10:05-10:45 am

Keynote Address

Sun Hur, PhD

Oscar M. Schloss, MD Professor of Pediatrics
Investigator, Howard Hughes Medical Institute
Professor of Biochemical Chemistry and Molecular Pharmacology
Blavatnik Institute, Harvard Medical School

"Innate immune mechanism for self vs. non-self RNA discrimination"

10:45-11:00 am

Michael Owens

Graduate Student, Laboratory of Kathy Fange Liu, PhD
University of Pennsylvania Perelman School of Medicine

"Functional differences between DDX3X and DDX3Y and their implications in disease"

11:00-11:15 am

Jie Chen, PhD

Research Associate, Greenberg Laboratory
University of Pennsylvania Perelman School of Medicine

"DDX3X RNA helicase control of the dsRNA-mediated immune response"

11:15-11:30 am

Darwin Ye

Parker Scholar, PhD Candidate, Minn Laboratory
University of Pennsylvania Perelman School of Medicine

"Persistent cancer cells alter interferon signaling after immune checkpoint blockade"

11:30-12:45 pm

Lunch Break

Session Two: Chromosome Instability

Moderator: Ben E. Black, PhD

12:45-1:10 pm

Eleonore Toufexhtchan, PhD

Research Associate, John Maciejowski Lab, Molecular Biology Program, Memorial Sloan Kettering Cancer Center

"TREX1 induction promotes immune evasion by limiting cGAS-STING-dependent Type I IFN"

1:10-1:35 pm

Jonathan J. Miner, MD, PhD

Associate Professor of Medicine, Division of Rheumatology
University of Pennsylvania Perelman School of Medicine

"Inherited TREX1 mutations cause genomic instability"

PCGI/MFCIR Joint Symposium Program, continued:

1:35-2:00 pm

Teresa Davoli, PhD

Assistant Professor, Institute for Systems Genetics
New York University Langone Health

"Modeling and dissecting the role of chromosomal aneuploidy in cancer"

2:00-2:15 pm

Neha Nataraj

IGG PhD Candidate
Laboratories of Sunny Shin and Igor Brodsky
University of Pennsylvania Perelman School of Medicine

"Yersinia blockade of immune signaling induces RIPK1-independent apoptosis in human macrophages"

2:15-2:30 pm

Coffee Break in Smilow Commons

Session Three: Innate Immunity in Human Disease
Moderator: Sunny Shin, PhD

2:30-2:55 p.m.

Jungsan Sohn, PhD

Associate Professor of Biophysics & Biophysical Chemistry
And Department of Oncology (Cancer Chemical & Structural Biology)
Director, Biophysics Research for Baltimore Teens (BRBT)
Johns Hopkins University

"Activation, Regulation, and Dysregulation of AIM2-Like Receptors"

2:55-3:20 p.m.

Chengcheng Jin, PhD

Assistant Professor of Cancer Biology
Assistant Investigator, Abramson Family Cancer Research Institute (AFCRI)
Member, Institute for Immunology (IFI)
University of Pennsylvania Perelman School of Medicine

"The innate receptor AIM2 acts as a dual metabolic and immune sensor to dictate the functional dichotomy in tumor-associated myeloid cells"

3:20-3:35 pm

Timothy Lippert, PhD

Postdoctoral Researcher, Greenberg Laboratory
University of Pennsylvania Perelman School of Medicine

"Tumor cell NLRP9 inflammasome activity promotes homologous recombination-deficient ovarian cancer progression and immune evasion"

3:35-4:00 pm

Coffee Break

Smilow Commons

4:00-4:25 pm

Samuel Bakhom, MD, PhD

Assistant Member, Human Oncology & Pathogenesis Program
Assistant Attending, Department of Radiation Oncology
Memorial Sloan Kettering Cancer Center

"How chromosomal instability drives cancer progression"

4:25-4:50 pm

Malay Haldar, MBBS, PhD

Assistant Professor of Pathology & Laboratory Medicine
Assistant Investigator, Abramson Family Cancer Research Institute
Attending Physician, Molecular Diagnostics
University of Pennsylvania Perelman School of Medicine

"Targeting Retinoic Acid Signaling for Tumor Immunotherapy"

4:50-5:00 pm

Closing Remarks

Roger A. Greenberg, MD, PhD

Director, Penn Center for Genome Integrity (PCGI)
J. Samuel Staub, MD Professor of Cancer Biology
Director of Basic Science, Bassett Center for BRCA
University of Pennsylvania Perelman School of Medicine

5:00 pm

Reception

Smilow Commons