

**28th ANNUAL HENRY KUNKEL SOCIETY MEETING
IN PARTNERSHIP WITH JOURNAL OF EXPERIMENTAL MEDICINE (JEM) &
THE ROCKEFELLER UNIVERSITY FRIDAY LECTURE SERIES (FLS)
COMMITTEE**

Thursday, March 18th - Saturday, March 20th, 2021

The Rockefeller University, New York, NY (virtually hosted)

Theme: New Dimensions of Therapeutic Antibodies

Meeting Chairs: Michel C. Nussenzweig, MD, PhD & Jeffrey V. Ravetch, MD, PhD

HKS President: Jean-Laurent Casanova, MD, PhD

JEM Executive Editor: Teodoro Pulvirenti, PhD

FLS Chair: Luciano Marraffini, PhD

Thursday, March 18, 2021

(Note: all times are US EST)

- 12:00 p.m.** **Welcoming Remarks**
Jean-Laurent Casanova, MD, PhD, President, Henry Kunkel Society
- 12:05 p.m. - 4:20 p.m.** *Session I: Antibodies in Inflammation and Immuno-Oncology*
- 12:05 p.m.** **Barry P. Sleckman, MD, PhD**
University of Alabama, Birmingham, AL, USA
SERCA Function in V(D)J Recombination and Lymphocyte Development
- 12:30 p.m.** **Hedda Wardemann, PhD**
German Cancer Research Center, Heidelberg, Germany
Single-cell based functional immune receptor repertoire studies for malaria vaccine design
- 12:55 p.m.** **Claude-Agnes Reynaud, PhD**
Institut Necker-Enfants Malades, Paris, France
Therapeutic outcomes in immune thrombocytopenia reveal multiple pathogenic B cell subsets
- 1:20 p.m.** **Richard Blumberg, MD**
Brigham & Women's Hospital, Boston, MA, USA
The (not so) neonatal Fc receptor and its immunologic functions
- 1:45 p.m.** **Virginia Pascual, MD**
Druker Institute at Weill Cornell Medicine, New York, NY, USA
Red Blood Cells: a Trojan Horse in SLE
- 2:15 p.m.** **Break until 2:40 p.m.**
- 2:40 p.m.** **Boris Reizis, PhD**
NYU Langone Medical Center, New York, NY, USA
Novel targets of autoreactivity in lupus
- 3:05 p.m.** **Mark Jay Shlomchik, MD, PhD**
University of Pittsburgh School of Medicine, Pittsburgh, PA, USA
Extrafollicular and GC Responses in Immunity and Autoimmunity

- 3 :30 p.m.** **Betty Diamond, MD**
The Feinstein Institute for Medical Research, Manhasset, NY
Antibodies and neuropsychiatric disease: mechanisms, therapy and prevention
- 3:55 p.m.** **Christopher Goodnow, PhD**
Garvan Institute of Medical Research, Darlinghurst, Australia
Mutations driving rogue clones to produce pathogenic rheumatoid factor autoantibodies
- 4:20 p.m.** **Break until 4:50 p.m.**
- 4:50 p.m. – 5:40 p.m.** ***Session II: Antibodies in immuno-ocology***
- 4:50 p.m.** **Falk Nimmerjahn, PhD**
University of Erlangen-Nuremberg, Erlangen, Germany
Organ specific pathways of cytotoxic IgG activity
- 5:15 p.m.** **Fabienne Mackay, PhD**
University of Melbourne, Victoria, Australia
A novel cytokine-controlled immune checkpoint in chronic lymphocytic leukaemia

Friday, March 19, 2021

- 9:00 a.m.** **Introduction for Annual Memorial Lecture**
Jeffrey V. Ravetch, MD, PhD
- 9:05 a.m.** **Tadatsugu Taniguchi, PhD**
The University of Tokyo, Tokyo, Japan
Annual Kunkel Memorial Lecture
A story of Type I IFN system; La storia mia è breve...
- 10:15 a.m.** **Break until 10:40 a.m.**
- 10:40 a.m. – 2:45 p.m.** ***Session III: Affinity Maturation and Selection***
- 10:40 a.m.** **Marina Caskey, MD**
The Rockefeller University, New York, NY, USA
Immunotherapy against HIV-1
- 11:05 a.m.** **Carl Davis, MD, PhD**
Emory University, Atlanta, GA, USA
Public clonotypes in the B-cell response to Ebola virus
- 11:30 a.m.** **Malcolm Martin, MD**
National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD, USA
The Use of Anti-HIV-1 Broadly Neutralizing Antibodies (bNAbs) for Prevention and Treatment of SIV/HIV Chimeric Virus (SHIV) Infections of Rhesus Macaques
- 11:55 a.m.** **Peter Palese, PhD**
Icahn School of Medicine at Mount Sinai, New York, NY, USA
The long road to a universal influenza virus vaccine
- 12:20 p.m.** **Break until 1:30 p.m.**
- 1:30 p.m.** **Taia T. Wang, MD, PhD**
Stanford University School of Medicine, Stanford, CA, USA
Signaling by antibodies in infection

- 1:55 p.m.** **Ian Wilson, DPhil**
The Scripps Research Institute, San Diego, CA, USA
Structural insights into antibody responses to SARS-CoV-2 and escape mutations
- 2:20 p.m.** **Patrick C. Wilson, PhD**
The University of Chicago, Chicago, IL, USA
Human B cell memory in context
- 2:45 p.m.** **Break until 3:15 p.m.**
- 3:15 p.m. - 4:55 p.m.** ***Session IV: Novel Platforms***
- 3:15 p.m.** **Richard Flavell, PhD**
Yale School of Medicine, New Haven, CT, USA
Modeling the role of antibodies in COVID Pathogenesis
- 3:40 p.m.** **Antonio Lanzavecchia, MD**
Vir Biotechnology, Inc., San Francisco, CA, USA
Immunology taught by parasites
- 4:05 p.m.** **Michael Lenardo, MD**
National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD, USA
Genetic basis of new immunoregulatory disorders
- 4:30 p.m.** **Carola Vinuesa, MD, PhD**
Australian National University, Canberra, Australia
Novel monogenic causes of human autoimmunity

Saturday, March 20, 2021

- 9:00 a.m. - 11:05 a.m.** ***Session V: Affinity Maturation and Selection***
- 9:00 a.m.** **Michael C. Carroll, PhD**
Harvard Medical School, Boston, MA, USA
Evolution of auto-reactive Germinal center B cell
- 9:25 a.m.** **Rafael C. Casellas, PhD**
National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIH, Bethesda, MD, USA
Multimeric nanobodies from camelid mice prevent escape of SARS-CoV-2 variants
- 9:50 a.m.** **Michel Cogné, MD, PhD**
Limoges University, Limoges, France
Unconventional tricks of human class-switching B-cells
- 10:15 a.m.** **Gabriel Victora, PhD**
The Rockefeller University, New York, NY, USA
Clonal dynamics of the antibody response
- 10:40 a.m.** **Hao Wu, PhD**
Boston Children's Hospital, Boston, MA, USA
Innate immunity, structural biology and human diseases
- 11:05 a.m.** **Break until 11:35 a.m.**
- 11:35 a.m. - 12:25 p.m.** ***VI. Antibodies against cancers and prion diseases***
- 11:35 a.m.** **Eric Vivier, PhD**

Centre d'Immunologie de Marseille-Luminy & Innate Pharma, Marseille, France
Harnessing Innate Immunity in Cancer and COVID-19

12:00 p.m.

Adriano Aguzzi, MD, PhD

University of Zurich, Zurich, Switzerland

Rationally designed neuroprotective antibodies against prions

12:25 p.m. - 12:40 p.m. *Session VI: Memories of Henry Kunkel's Life*

12:25 p.m.

Robert J. Winchester, MD

Columbia University College of Physicians and Surgeons, New York, NY, USA

Memories of Henry and life in the Kunkel lab

12:40 p.m.

Closing Remarks

Jean-Laurent Casanova, MD, PhD