VIRTUAL | Systems Immunology in Aging and Complex Diseases

*Single Cell Biology in Immune Aging and Immune Disease*

**September 2-3, 2020**

*Sessions will be presented live via Zoom. With speaker permission, recordings of sessions will be made available to registered attendees on our Canvas LMS and made available to watch on-demand until October 31, 2020. All times listed are Eastern Daylight Time (UTC-4)*

**Draft Agenda**

**Wednesday, September 2nd**

9:45 am  **Opening Remarks**  
George Kuchel, M.D., *UConn Health* & Duygu Ucar, Ph.D., *The Jackson Laboratory for Genomic Medicine*

**Session 1: Computational Methods in Single Cell Data Analyses**  
**Session Moderator:** Duygu Ucar, Ph.D., *The Jackson Laboratory for Genomic Medicine*

10:00 am  **Statistical Models for Genomic Data**  
Mark Robinson, Ph.D.  *University of Zurich*

10:40 am  **Single Cell Data Analyses with Deep Learning**  
Smita Krishnaswamy, Ph.D., *Yale University*

11:20 am  **Break**

11:40 am  **Lecture** - Andreas Beyer, Ph.D., *University of Cologne*

12:20 pm  **Short Talk 1**  
*Selected from Attendee Abstract*

12:40 pm  **Lunch Break**

**Session 2: -Oomics Approaches to Aging**  
**Session Moderator:** Kenneth Hoehn, Ph.D., *Yale University*

1:30 pm  **Keynote Lecture** - Eric Verdin, M.D., *Buck Institute*

2:30 pm  **Lecture** - Berenice Benayoun, Ph.D., *USC Leonard Davis School of Gerontology*
3:10 pm  Lecture - David Furman, Ph.D., Buck Institute for Research on Aging

3:50 pm  Short Talk 2
Selected from Attendee Abstract

4:10 pm  Panel/Open Discussion with the Day's Speakers

Thursday, September 3rd

Session 3: Single Cells in Immune Responses and Immune Disorders
Session Moderator: Djamel Nehar-Belaid, Ph.D., The Jackson Laboratory for Genomic Medicine

10:00 am  Lecture - Duygu Ucar, Ph.D., The Jackson Laboratory for Genomic Medicine

10:40 am  Lecture - Golnaz Vahdedi, Ph.D., University of Pennsylvania

11:20 am  Short Talk 3
Selected from Attendee Abstract (Kenneth Hoehn)

11:40 am  Lecture — Steve Josefowicz, Ph.D.  Weill Cornell Medicine

12:20 pm  Lunch Break

Session 4: Epigenomics of Immune Cells
Session Moderator: Berenice Benayoun, Ph.D., USC Leonard Davis School of Gerontology

1:00 pm  Lecture - John Tsang, National Institute of Allergy and Infectious Diseases

1:40 pm  Single Cells in SLE
Jacques Banchereau, Ph.D., The Jackson Laboratory for Genomic Medicine

2:20 pm  Short Talk 4
Selected from Attendee Abstract (Djamel Nehar-Belaid)

2:40 pm  Short Talk 4
Selected from Attendee Abstract

3:00 pm  Panel/Open Discussion with the Day's Speakers

4:00 pm  Closing Remarks
Jacques Banchereau, Ph.D. & Berenice Benayoun, Ph.D., USC Leonard Davis School of Gerontology