Systems Immunology of Aging: Data science meets Geroscience

Organizers: Duygu Ucar (JAX), Jacques Banchereau (JAX), George Kuchel (UCHC), Berenice Benayoun (USC)

“Single cell biology in immune aging and immune disorders”

Agenda and Speakers

**Wednesday, September 2nd**

7.30 am  Registration
8.45 Opening remarks (George/Duygu)

**Session 1:** Epigenomic profiling of immune cells
9.00-9.40  Golnaz Vahdedi, UPenn
9.40-10.20  Duygu Ucar, JAX-GM, ""
10.20-10.45  Break
10.45-11.45  Day 1 Keynote: Eric Verdin, Buck Institute
11.45-12.40  Lunch break

**Session 2:** Single cells in immune responses and immune disorders?
12.40-1.20  John Tsang, NIH
1.20-2.00  Jacques Banchereau, “Single cells in immune diseases", JAX-GM
2.00-2.20  Short talk1: TBA
2.20-2.50  Break

**Session 3:** Computational methods for single cell data analyses
2.50-3.30  Smita Krishnaswamy "Single cell data analyses with deep learning" (Yale)
3.30-4.10  Mark Robinson "Statistical models for genomic data" (University of Zurich)
4.10-4.30  Short talk2: TBA
4.30-4.50  Short talk3: TBA
5.00-6.30  Poster session
7.00-9.00  Dinner for invited speakers (Location: TBD)

**Thursday, September 3rd**

**Session 4:** Single cell data analyses
8.50-9.30  David Furman, Buck Institute
9.30-10.10  ??
10.10-10.30  Short talk4: TBA
10.30  Break
11.00-12.00  Day 2 Keynote: TBD
12.00-12.45  Lunch break

**Session 5:** -Omic approaches to aging
12.50-1.30  Berenice Benayoun, USC
1.30-2.10  Andreas Beyer, University of Cologne
2.10-2.50  Graham Pawelec
2.50-3.20  Jennifer Trowbridge, JAX-GM
3.30  Closing remarks (Jacques/Duygu)