ITI Seed Grant & Young Investigator Award Presentations
November 9, 2018, Munzer Auditorium

1:00-1:05  Welcome, Mark Davis

1:10-1:30  Shirit Einav, MD (SG): Identification of patients at risk of developing severe
dengue infection

1:35-1:50  Siyuan Ding, PhD (YA): Genetic Interrogation of Host Factors Essential to
Rotavirus Infection

1:55-2:15  Holden Maecker, PhD & Desiree LaBeaud, MD (SG): Characterizing the
Effects of Antenatal Parasitic Infection on Fetal Immune System Development

2:20-2:35  Eliver Ghosn, PhD (YA): Regenerative potential of human fetal versus adult
HSC transplantation: B lymphocytes and macrophages heterogeneity

2:40-3:00  Eric Appel, PhD & Mark M. Davis, PhD (SG): Development of Single Injection
Vaccines by Leveraging Biomaterial Technologies

3:05-3:20  Vamsee Mallajosyula, PhD (YA): Delineating how the CD4+ T cell response to
influenza vaccination in humans relates to the antibody response

3:25-3:45  Emmanuel Mignot, MD, PhD (SG): Genetics of T cell response to trivalent flu
vaccination and relevance to narcolepsy

3:45-4:00  BREAK

4:00-4:15  Hedwich Kuipers, PhD (YA): Heparan sulfate – IL-2 interactions in the control of
autoimmunity

4:20-4:40  Eugene Butcher, MD & Juliana Idayoga, PhD, presented by Denis Bebek
(SG): Branching developmental pathways through high dimensional single cell
analysis in trajectory space: application to tissue-tropic dendritic cell development
and the blood endothelial response to immunization

4:45-5:00  Marc L. Perez, PhD (YA): Defining the CD8+ T-cell receptor and functional
profile in T cell-mediated allograft rejection

5:05-5:25  Stephen Galli, MD (SG): Detection and quantification of basophil activation
during allergic reactions using a new avidin-based diagnostic tool

5:30-5:50  Matthew Lungren, MD,MPH, Chris Contag, PhD, presented by Derek
Holman, PhD (SG): In-vivo imaging of phage therapy kinetics in eradication of
biofilm-associated pseudomonas aeruginosa lung infection