Monday, March 4 and 5, 2024

Stanford Hospital, 500P Assembly Hall, 500 Pasteur Dr, Palo Alto, CA 94304

ORGANIZERS: Mark M. Davis & Tobias Lanz, ITI

REGISTRATION: https://forms.gle/SwLfm4hbfcrMcQrw8

Monday, March 4

08:00-09:00 BREAKFAST

09:00–09:15 Welcome & Opening Remarks
Mark M Davis, PhD, Tobias Lanz, MD

Section: Rheumatology I

09:20-09:40 Bill Robinson, MD, PhD, Stanford: Mucosal Breaks Drive Autoimmunity in Rheumatoid Arthritis

09:45–10:05 Matt Baker, MD, MS, Stanford: The inflammatory reflex and vagus nerve stimulation for the treatment of rheumatoid arthritis.

10:10–10:30 Betsy Mellins, MD, Stanford: Active Pediatric Acute Neuropsychiatric Syndrome (PANS)

10:35–10:50 COFFEE BREAK

Section: Dermatology & Genetics

10:50–11:10 Lisa Zaba, MD, PhD, Shady Younis, PhD, Stanford: Hyper-activation of clonally expanded cytotoxic CD8 T cells in checkpoint inhibitor-induced dermatitis

11:15–11:35 Diana Dou, PhD (Chang Lab), Stanford: Xist ribonucleoproteins promote female sex-biased autoimmunity

11:40–12:00 Jin Billy Li, PhD, Stanford: RNA Editing: Innate Immunity and Autoimmune Disease

12:05-01:00 LUNCH
Section: Viruses and Systems Immunology

01:00-01:20  Ted Jardetsky, PhD, Stanford: Targeting Epstein-Barr Virus glycoproteins for the treatment or prevention of MS

01:25–01:55  Purvesh Khatri, PhD, Stanford: Multi-cohort analyses of heterogeneous public data to understand autoimmunity and post-viral syndromes

02:00–02:20  Scott Boyd, MD, PhD, Stanford: title tbd

02:25-02:40  COFFEE BREAK

Section: Neuroimmunology I

02:40-03:00  Michael Wilson, MD, UCSF: Autoantibody discovery in neuroinflammatory disorders

03:05-03:25  Emmanuel Mignot, MD, PhD, Stanford: Autoimmunity targeting the brain

03:30–03:50  David Clark, MD, PhD, Stanford: The Contributions of Autoantibodies to Chronic Pain

03:55-04:15  Lawrence Steinman, MD, Stanford: Targeting alpha 5 integrin in Amyotrophic Lateral Sclerosis

04:20-04:35  COFFEE BREAK

Keynote Lecture

04:35-05:35  Georg Schett, MD: Cellular Therapy breaking into Autoimmune Disease

05:35-06:30  Reception, Poster at Assembly Hall Terrace
Tuesday, March 5

**Section: Neuroimmunology II**

08:30-08:50  Tobias Lanz, MD, Stanford: *The Pathogenic B cell Response to Proteolipid Protein (PLP) in Multiple Sclerosis*

08:55-09:00  Brian Kim, MD, Mount Sinai: *Sensory Neuronal Regulation of Inflammation*

09:05-09:25  Tony Wyss-Coray, PhD, Stanford: *Specialized brain microglia take up circulatory proteins and present antigens*

09:30-09:50  **COFFEE BREAK**

**Section: Rheumatology II**

09:50-10:10  Eric Meffre, PhD, Stanford: *PTPN22 inhibition prevents the production of autoreactive B cells in systemic lupus erythematosus*

10:15-10:35  Victoria Rael (Barton Lab), Berkeley: *Large scale mutational analysis identifies UNC93B1 variants that drive TLR-mediated autoimmunity in mice and humans*

10:40-11:00  Virginia Pascual, MD, Cornell: *Systemic Lupus Erythematosus: Interferon and Beyond*

11:05-11:25  PJ Utz, MD, Stanford: *Infectious triggers of autoimmunity in pulmonary infection*

11:30-11:50  Mike Snyder, PhD, Stanford: *title tbd*

11:55-12:45  **LUNCH**

**Section: Diabetes and Cardiology**

12:45-01:05  Garry Fathman, MD, Stanford: *A correctable defect in Treg function in T1D*

01:10-01:30  Seung Kim, MD, PhD, Stanford: *Reversing diabetes with islet transplantation and mixed hematopoietic chimerism*

01:35-01:55  Han Zhu, MD, Stanford: *A Targeted Approach to Treat Immunotherapy-Induced Myocarditis with CXCR3 Blockade*
02:00-02:20 Patricia Nguyen, MD, Stanford: T cell immune responses in atherosclerosis

02:25-02:40 COFFEE BREAK

Section: Modelling Autoimmunity with Organoids

02:40-03:00 Antonio Santos, PhD, Kuo Lab: Modeling celiac disease with organoids

03:05-03:25 Michael J. Rosen, MD, MSCI, Stanford: Organoid modeling of epithelial metabolic dysfunction in pediatric ulcerative colitis

03:30-03:50 Mark M. Davis, PhD, Stanford: Immune organoids to model autoimmunity and vaccination

03:55-04:10 COFFEE BREAK

Section: ME/CFS and T Cell Tolerance

04:10-04:30 Vishnu Shankar, PhD Student, IDP Immunology, Stanford: Oxidative stress is a shared characteristic of ME/CFS and Long COVID

04:35-04:55 Ron Davis, PhD, Stanford: ME/CFS & Long Covid BH4 & NO

05:00-05:20 Rosa Bacchetta, MD, Stanford: Human FOXP3-deficient Treg cells and their replacement therapy

05:25-05:55 Everett Meyer, MD, Stanford: Update on the Stanford Cellular Immune Tolerance Program, CAR T cells, CAR Treg and mixed hematopoietic chimerism studies at Stanford

06:00-6:10 CLOSING REMARKS