Stanford Autoimmune & Allergy Supergroup
SAAS Conference
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

12:00–12:45  LUNCH
Section: Viruses and Systems Immunology

12:45-01:05  Ted Jardetsky, PhD, Stanford: Targeting Epstein-Barr Virus glycoproteins for the treatment or prevention of MS

01:10–01:30  Purvesh Khatri, PhD, Stanford: Multi-cohort analyses of heterogeneous public data to understand autoimmunity and post-viral syndromes

01:35–01:55  Scott Boyd, MD, PhD, Stanford: Analysis of B cell responses to infection and vaccination with large DNA-tagged antigen panels

02:00-02:15  COFFEE BREAK

Section: Neuroimmunology I

02:15-02:35  Michael Wilson, MD, UCSF: Autoantibody discovery in neuroinflammatory disorders

02:40-03:00  Emmanuel Mignot, MD, PhD, Stanford: Autoimmunity targeting the brain

03:05–03:25  David Clark, MD, PhD, Stanford: The Contributions of Autoantibodies to Chronic Pain

03:30-03:40  Lawrence Steinman, MD, Stanford: Targeting alpha 5 integrin in Amyotrophic Lateral Sclerosis

03:40-04:00  COFFEE BREAK

Keynote Lecture

04:00-05:00  Georg Schett, MD: Cellular Therapy breaking into Autoimmune Disease

05:00-06:00  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

08:55-09:15 Brian Kim, MD, Mount Sinai: Sensory Neuronal Regulation of Inflammation

09:20-09:40 Tony Wyss-Coray, PhD, Stanford: Specialized brain microglia take up circulatory proteins and present antigens

09:45-10:00 COFFEE BREAK

**Section: Rheumatology II**

10:00-10:20 Eric Meffre, PhD, Stanford: PTPN22 inhibition prevents the production of autoreactive B cells in systemic lupus erythematosus

10:25-10:45 Victoria Rael (Barton Lab), Berkeley: Large scale mutational analysis identifies UNC93B1 variants that drive TLR-mediated autoimmunity in mice and humans

10:50-11:10 Virginia Pascual, MD, Cornell: Systemic Lupus Erythematosus: Interferon and Beyond

11:15-11:35 PJ Utz, MD, Stanford: Infectious triggers of autoimmunity in pulmonary infection

11:40-12:00 Mike Snyder, PhD, Stanford: title tbd

12:00-12:45 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**

03:50-04:00  **COFFEE BREAK**

**Section: ME/CFS and T Cell Tolerance**

04:00-04:20  Vishnu Shankar, PhD Student, IDP Immunology, Stanford: **Oxidative stress is a shared characteristic of ME/CFS and Long COVID**

04:25-04:45  Ron Davis, PhD, Stanford: **ME/CFS & Long Covid BH4 & NO**

04:50-05:10  Rosa Bacchetta, MD, Stanford: **Human FOXP3-deficient Treg cells and their replacement therapy**

05:15-05:35  Everett Meyer, MD, Stanford: **Update on the Stanford Cellular Immune Tolerance Program, CAR T cells, CAR Treg and mixed hematopoietic chimerism studies at Stanford**

05:40-5:45  **CLOSING REMARKS**