

# 3<sup>rd</sup> Annual Symposium for the Center for Mucosal Immunology, Allergy and Vaccine Development

Day 1: February 13, 2019

Medical Education Telemedicine Building Upper Auditorium

8:00 AM	<b>Coffee and morning snacks for the early birds</b>
8:30 AM	<b>Welcoming remarks David Brenner and Toshinori Nakayama</b>
	<b>Session 1: Mucosal Immunology: Mucosal Homeostasis Chairs: Hiutung Chu and Hiroshi Kiyono</b>
8:45 AM	<b>“Roles of Fucosyltransferase 2 in House Dust Mite-Induced Airway Inflammation”</b> Hiroshi Nakajima: Department of Allergy and Clinical Immunology, Graduate School of Medicine, Chiba University, Japan and CU-UCSD cMAV, UCSD
9:15 AM	<b>“Evasion of IL-22-mediated Antimicrobial Responses by Bacterial Pathogens”</b> Manuela Raffatellu: Department of Pediatrics, UCSD and CU-UCSD cMAV, UCSD
9:45 AM	<b>“Mechanisms Controlling Innate Immune Response to Nucleic Acids”</b> Kensuke Miyake: Division of Innate Immunity, The Institute of Medical Science, The University of Tokyo
10:15 AM	<b>Coffee Break</b>
10:30 AM	<b>“Antigenic Cross-Reactivity between Zika and Dengue Viruses: A Double-Edged Sword”</b> Sujan Shresta: Center for Infectious Diseases, La Jolla Institute for Allergy and Immunology
11:00 AM	<b>“The Role of the Immune System in Regulating the Microbiota-Gut-Brain Axis”</b> Melanie Gareau: Department of Anatomy, Physiology and Cell Biology, School of Veterinary Medicine, UC Davis
11:30 AM	<b>“Genomic Analysis Of Bone Marrow Progenitors During Viral Infection Reveals Novel Dendritic Cell Regulators”</b> Yeara Jo, Early Career Investigator: Division of Biological Sciences, Section of Molecular Biology, UCSD
11:50 PM	<b>Lunch Provided for Registered Attendees</b>
	<b>Session 2: Mucosal immunology gone wrong: IBD Chairs: Peter Ernst and Shimon Sakaguchi</b>
1:15 PM	<b>“Crohn’s Disease – Defining Risk in Healthy First Degree Relatives in GEM Project”</b> Ken Croitoru: Mount Sinai Hospital, Zane Cohen Centre for Digestive Diseases, Toronto Canada
1:45 PM	<b>“Using Single-Cell Approaches to Elucidate Mucosal Immune Responses”</b> John Chang: Division of Gastroenterology, Department of Medicine, UCSD
2:15 PM	<b>“Host-Microbiome Interactions: Pathogenesis of Inflammatory Bowel Disease”</b> Hiutung Chu: Department of Pathology, UCSD and CU-UCSD cMAV, UCSD
2:45 PM	<b>“Intratissue Commensal Bacteria in Peyer’s Patches”</b> Daisuke Tokuhara, CU-UCSD, cMAV, UC San Diego.
3:05 PM	<b>Coffee Break</b>
3:20 PM	<b>“RNA Binding Proteins Control Intestine Homeostasis and Diseases”</b> Wendy Huang: Department of Cellular and Molecular Medicine, UCSD
3:50 PM	<b>“B Cells Responses in Inflammatory Bowel Disease”</b> Jesus Rivera-Nieves: Division of Gastroenterology, Department of Medicine, UCSD
4:20 PM	<b>“Translational Regulation of Memory CD8 T Cell Differentiation”</b> Koichi Araki, Department of Microbiology and Immunology, Emory University School of Medicine
4:40 PM	<b>Keynote Speaker: Shimon Sakaguchi, Osaka, Japan</b>
5:45 PM	Advisory Board Meeting @ BRFII Room 1104
7:00 PM	Speakers and Advisory Board Dinner @ La Jolla Shores Hotel

**Day 2: February 14, 2019**

**Medical Education Telemedicine Building Upper Auditorium**

8:00 AM	<b>Coffee and morning snacks for the early birds</b>
<b>Session 3: Allergy and Inflammation -1</b> <b>Chairs: Cathy Nagler and Steve Hedrick</b>	
8:30 AM	<b>“Memory-Type Pathogenic Th2 Cells (T<sub>path2</sub> Cells) in Airway Inflammation”</b> Toshinori Nakayama: Dean Graduate School of Medicine, Chiba University, Chiba Japan and CU-USD cMAV, UCSD
9:00 AM	<b>“Regulation of Type-2 Inflammation”</b> Steven Ziegler: Benaroya Research Institute, Seattle, WA.
9:30 AM	<b>“CD69 Regulates T Cell Exhaustion at the Tumor Microenvironment”</b> Motoko Kimura, Department of Immunology, Graduate School of Medicine, Chiba University
9:50 AM	<b>Coffee Break</b>
10:05 AM	<b>“Intestinal Bacteria Regulate Allergic Responses to Food”</b> Cathy Nagler: Department of Pathology, University of Chicago, Chicago, IL.
10:35 AM	<b>“Therapeutic Modulation of IgE in Patients Reveals Critical Pathogenic Roles for IgE”</b> Dale Umetsu: Principal Medical Director, Genentech.
11:05 AM	<b>“Chromosome 17q21 and Asthma”</b> David Broide: Department of Medicine, UCSD
11:35 AM	<b>“Dietary Antigens Induce the Antipode of Immune Tolerance at the Mucosal Epithelial Barrier of the Intestine”</b> Hilde Cheroutre: Division of Developmental Immunology, La Jolla Institute for Allergy and Immunology, San Diego CA
12:05 PM	<b>Lunch Provided for Registered Attendees</b> <b>(Posters Up for Viewing in MET 141)</b>
<b>Session 4: Allergy and Inflammation - 2</b> <b>Chairs: David Broide and Yosuke Kurashima</b>	
1:20 PM	<b>“Establishment of Lung-Resident CD8 T Cell Memory”</b> Shiki Takamura, Department of Immunology, Kindai University Faculty of Medicine
1:40 PM	<b>“Regulation of ILC2s in the Lungs and Adipose Tissue”</b> Omid Akbari: Department of Molecular Microbiology and Immunology, USC
2:10 PM	<b>“Mechanisms and Clinical Impacts of Esophageal Remodeling in Eosinophilic Esophagitis”</b> Seema Aceves: Division of Rheumatology, Allergy and Immunology, Department of Medicine, UCSD
2:40 PM	<b>“Microbial and Vaccine-mediated Regulation of the Developing Immune System”</b> Damon Tumes: Allergy and Cancer Immunology Laboratory, Centre for Cancer Biology SA Pathology and University of South Australia
3:10 PM	<b>Coffee Break</b>
3:25 PM	<b>“Tissue Remodeling Fibrosis in Mucosal Sites of the Airway”</b> Kiyoshi Hirahara, Department of Immunology, Graduate School of Medicine, Chiba University
3:45 PM	<b>“Germinal Center and the Broadly Protective Antibody to Influenza”</b> Masato Kubo: Division of Molecular Pathology, Research Institute for Biomedical Science, Tokyo University of Science, Chiba, Japan
4:15 PM	<b>“Orally-desensitized Mast Cells Acquired Regulatory Characteristics for the Control of Allergy”</b> Yosuke Kurashima: Department of Innovative Medicine, Graduate School of Medicine, Chiba University and CU-UCSD cMAV, UCSD.
4:45 PM	<b>Session 4. Poster Session / Buffet Style Reception</b> <b>MET 141</b>

## Day 3: February 15, 2019

### Medical Education Telemedicine Building Upper Auditorium

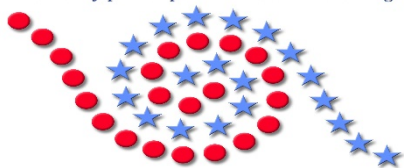
8:00 AM	<b>Coffee and morning snacks for the early birds</b>
<b>Session 5: Immune Memory for Health and Diseases</b> <b>Chairs: Seema Aceves and Yumiko Imai</b>	
8:30 AM	<p><b>“Mechanisms for Memory B-Cell Formation and Function: Possible Implications for Vaccination”</b> Daisuke Kitamura: Division of Molecular Biology, Research Institute for Biomedical Science, Tokyo University of Science, Chiba, Japan</p>
9:00 AM	<p><b>“The Role of CCR5-expressing Cells in Gut Homeostasis”</b> Steve Hedrick: Division of Biological Sciences, Section of Molecular Biology, UCSD</p>
9:30 AM	<p><b>“Salmonella SiiE Prevents an Efficient Humoral Immune Response by Interfacing with IgG-secreting Plasma Cell Persistence in the Bone Marrow”</b> Koji Tokoyoda: Division of Osteoimmunology, Deutsches Rheuma-Forschungszentrum Berlin, Germany</p>
10:00 AM	<b>Coffee Break</b>
10:15 AM	<p><b>“The Impact of the Microbiome on Vaccine Efficacy”</b> Austin Swafford: Center for Microbiome Innovation, UCSD</p>
10:45 AM	<p><b>“Regulation of Immunoglobulin Class Switch and Autoimmunity”</b> Koji Yasutomo: Department of Immunology and Parasitology, Graduate School of Medicine, Tokushima University, Japan</p>
11:15 AM	<p><b>“Adaptions During Long-Term (Host-Pathogen) Relationships”</b> Elina Zuniga: Division of Biological Sciences, Section of Molecular Biology, UCSD</p>
11:45 AM	<p><b>“Epigenetic, transcriptional and post-transcriptional regulation of memory T cell responses”</b> Atsushi Onodera, Early Career Investigator: Chiba University and La Jolla Institute, La Jolla, CA</p>
12:05 PM	<b>Lunch Provided for Registered Attendees</b>
<b>Session 6: Mucosal Immunity and Vaccine</b> <b>Chairs: Manuela Raffatellu and Masato Kubo</b>	
1:15 PM	<p><b>“Unique Roles of DAMPS in Vaccination, Allergy and Cancer”</b> Ken Ishii: Division of Vaccine Science, Institute of Medical Science, The University of Tokyo, Japan</p>
1:45 PM	<p><b>“Stimulation of Mucosal CD8+ T Cells as an Alternate Strategy for Rendering Protection against Brucellosis”</b> David W. Pascual: Department of Infectious Diseases &amp; Immunology, College of Veterinary Medicine, University of Florida, Gainesville Florida</p>
2:15 PM	<p><b>“Development of Novel Oral Vaccines for Global Health”</b> Hiroshi Kiyono: University of Tokyo and Chiba University, Japan and Division of Gastroenterology, CU-UCSD, cMAV, UCSD</p>
2:45 PM	<b>Coffee Break</b>
3:00 PM	<p><b>“Targeting SCD2-dependent monounsaturated fatty acid biosynthesis activates anti-viral responses in CD4+ T cells”</b> Toshio Kanno, Early Career Investigator: Chiba University</p>
3:20 PM	<p><b>“Dynamic Changes in Host Nuclear System to Influenza Virus Infection”</b> Yumiko Imai, Laboratory of Regulation of intractable Infectious Disease, National Institutes of Biomedical Innovation, Health and Nutrition, Osaka, Japan</p>
3:50 PM	<p><b>“Single cell RNA-Sequencing with T cell receptor assembly shows oligoclonal expansion of ApoB-reactive CD4 T cells with variable transcriptomes”</b> Koji Kobiyama, Early Career Investigator: La Jolla Institute for Immunology</p>
4:10 PM	<p><b>“Novel Innate Immune Pathways Protecting the Lung From Bacterial Pathogens”</b> Mitchell Kronenberg: Division of Developmental Immunology, La Jolla Institute for Allergy and Immunology, San Diego, CA</p>
4:40 PM	<b>Poster Awards and Closing Ceremony</b>

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