

Innate Immunity I

Chair Rommel Chacon		Country
Opening Lecture Bruno Rivas	Antimicrobial peptides for the treatment of tuberculosis: allies or foes.	México
Leslie Chavez-Galan	TNFR1 modulates the recruitment of CD3+TCRaβ- and CD3+TCRaβ+ myeloid cells to the liver after BCG infection	México
Zayda L. Piedra-Quintero	Myosin 1F promotes macrophage pro-inflammatory phenotype during colitis by controlling AKT/STAT signaling	México
Tonathiu Rodriguez	Macrophage galactose-type lectin (MGL) receptor plays a critical role in the infection against Trypanosoma cruzi	México
Daiana Cellas	Cathepsin L3 from Fasciola hepatica induces IL-18 and IL-18 secretion in a NLRP3 dependent manner on dendritic cells	Argentina
Carolina I. Serrano Garcia	IFN-gamma regulates STAT3 activation IL-6 mediated in epithelial cells during colitis	México

Tumor Immunology

Chair Ezequiel Fuentes		Country
Opening Lecture Alexander Pedroza	Immunoregulatory cells in breast and liver cancer.	México
Luis Enrique Huanosta-Murillo	NLRP3 nuclear translocation regulates IL-4 expression in patients with cutaneous lymphoma in early stage	México
Thalia Pacheco-Fernández	Macrophage migration inhibitory factor is a positive modulator of macrophage-driven-immune response in colorectal tumors at early stages of cancer progression	México
Alvaro Lladser	Vaccination-induced skin-resident CD8+ T cells mediate and broaden protective immunity against melanoma	Chile
Paola Maycotte	Autophagy regulates the secretion of Macrophage Migration Inhibitory Factor (MIF) from Breast Cancer Cell Lines	México
Alberto Chinney-Herrera	Exosomes produced by metastatic breast cancer cells induce more angiogenesis than non-metastatic breast cancer cells in spheroid culture conditions	México

Clinical and Translational Immunology I

Chair Florencia Rosetti		Country
Opening Lecture Zaima Mazorra	Targeting EGFR in cancer patients: passive and active therapy.	Cuba
Leonor Huerta Hernández	Contribution of HIV patient serum antibodies that recognize lymphocyte antigens to the inhibition of the HIV-1 envelope-dependent membrane fusion	México
Nidia C. Moreno Corona	LRBA CHARACTERIZATION IN B LYMPHOCYTES	México
Glauben T. Landskron	Relationship of Interleukin 33 with metastasis-supporting events in colorectal cancer patients	Chile
Iris K. Madera-Salcedo	Hypermethylation of PPP2R2B represents a novel mechanism by which chronic inflammation perpetuates itself	México
Cristina N. Aguilar-Flores	Evaluation of plasticity features in pathogenic Th17 lymphocytes from the blood and skin of psoriasis patients	México

Immunology of Infectious Diseases I

Chair Gladys Fragoso		Country
Opening Lecture Susan Bueno	Immune evasion mechanisms used by Salmonella to cause systemic infections.	Chile
Joyoti Basu	The role of microRNAs in regulating autophagy and the inflammatory response during Mycobacterium tuberculosis infection	India
Luis Castillo	Human Neutrophil Response Against the Hyper-Epidemic Clone of Carbapenem Resistant Klebsiella pneumoniae ST258	Argentina
Bernardita Medel	The unfolded protein response sensor IRE-1α modulates innate recognition and antigen presentation of melanoma tumor cells	Chile
Samira Muñoz Cruz	Identification of Giardia lamblia molecules that contribute to mast cell activation and cytokine secretion	México

T cell immunology

Chair Karina Chavez		Country
Opening Lecture Patricia Portales	Regulators of metabolism in T lymphocytes of adipose tissue.	México
Noe Rodriguez-Rodriguez	PP2A B55B limits the lifespan of self-reactive and pathogen-specific CD8 T cells through the pro-apoptotic molecule Hrk	México
Miguel Olivas-Aguirre	Cannabidiol suppresses human leukemic T cells via breakdown of the mitochondrial function: the role of intracellular Ca2+	México
Sandra Ortega-Francisco	Inhibins modulate T cell activation and T effector function differentiation	México
Felipe Campos-de-Almeida	EPIGENETIC DRUG 5-AZACYTIDINE ENHANCES POTENTIAL KILLING OF CD8 T CELLS	Brasil
Mauricio Campos-Mora	Role of Nrp1 in Foxp3+Treg-dependent suppression mechanism	Chile

Neuroimmunoendocrinology

Chair Martha Legorreta		Country
Opening Lecture Rodrigo Pacheco	Dopamine-driven inflammation in the gut and the brain.	Chile

Wednesday, May 16th

Sol Díaz de León-Guerrero	An Enriched Environment restores glucose homeostasis, reduces inflammation and modifies microRNA levels in the hypothalamus of obese mice	México
Mario Zetter-Salmón	Contribution of vasopressin to pulmonary tuberculosis immunopathology	México
Jesús Aguilar Castro	Effect of 17 β -estradiol on oxidative stress and antioxidant activity in female mice infected with <i>P. berghei</i> ANKA	México
Martha Pedraza-Escalona	Understanding the autophagy-inflammation correlation in the Alzheimer 's Disease development	México
Jacqueline Lara Espinosa	Mycobacterium tuberculosis induces neuroinflammation and behavioral abnormalities during progressive pulmonary tuberculosis	México
Antibodies and B cell biology		
Chair Juan Carlos Rodríguez		Country
Opening Lecture Jesus Martínez	Hidden insights in B cell biology revealed by repertoire and transcriptome data mining.	México
Eloisa Arana	Characterization of cytokine-producing B cell subsets in human tonsils, insights into their role in tonsillar hypertrophy and recurrent tonsillitis	Argentina
Daniel A. Giron Perez	Myosin Ie supports the migration of B cells	México
Mireille A. Santamaria	Cellular and molecular characterization of human memory B cell response upon Dengue virus infection and other arboviruses	México
Ernesto Acevedo-Ochoa	New insights of TSPAN33 function in B-cells	México
Gustavo Caballero Flores	IgG, but not IgA, protects infant mice against oral <i>C. rodentium</i> infection	USA
Innate immunity II		
Chair Samira Muñoz		Country
Opening Lecture Paula Licona	PKIB and the PKA pathway controlling innate lymphoid cell differentiation and function.	México
Araceli S. Tepale-Segura	CHOLERA TOXIN AND ITS NON-TOXIC B SUBUNIT PROMOTE THE RECRUITMENT AND TRAINING FEATURES IN SKIN DENDRITIC CELLS	México
John F Arboleda-Alzate	TLR2- dependent sensing of dengue virus induces early RIPK1-mediated necroptosis and TNF- α production	Netherlands / Colombia
Ivan Lozada-Requena	Uncaria tomentosa is not cytotoxic neither apoptotic, increases ROS production and induce an M2 polarization in human monocytes-macrophages	Peru
Marcia Campillo Navarro	Mast cells release extracellular traps against isoniazid-resistant Mycobacterium tuberculosis	México
Clara Gorodezky	KIR3DL1, But Not Its Ligands, Confers Protection For The Expression of Acute Lymphoblastic Leukemia (ALL) In Mexican Mestizo Patients	México
Immunology of Infectious Disease II		
Chair Leonor Huerta		Country
Opening Lecture Marcela Henao	Immune Mediated Pathogenesis in tuberculosis	Colombia
Hernan F. Penalzoa	IL-10 production by Myeloid derived suppressor cells during Klebsiella pneumoniae ST258 infection induces an anti-inflammatory environment required for host survival	Chile
Natalia Taborda	Dysfunctional IL-17-producing CD8+ T cells are associated with high immune activation in HIV-infected patients under HAART-induced viral suppression	Colombia
Erick Sánchez Salguero	Increased amounts of IgA1 and IgA2 in human colostrum are associated with infections during pregnancy	México
Emma Rey Jurado	Contribution of CD1d to immune responses and pathogenesis in mouse models of human Respiratory Syncytial Virus and the human Metapneumovirus infections	Chile
Sandy Reyes Martínez	Role of SOCS3, SHP1-2 and PIAS3 proteins on the activation of STAT3 in macrophages during infection with Taenia crassiceps	México
Immune Regulation		
Chair Ricardo Lascurain		Country
Opening Lecture Karina Pino-Lagos	Studying the immune response during allograft rejection with special emphasis on Tregs and other modulators.	Chile
Noe Rodriguez-Rodriguez	PD-1 regulates the expression of HELIOS and EGR2 in self-reactive CD8+ and CD4 ⁺ CD8 ⁻ T cells	México
Paulina García-González	Regulation of tolerogenic markers on human dendritic cells by MYC	Chile
Marisol De La Fuente-Granada	Inhibins regulate peripheral induction of regulatory T cells through modulation of dendritic cells	México
Teresa Freire	NOVEL IMMUNOREGULATORY POINTS TO CONTROL FASCIOLOSIS	Uruguay
Saúl Arteaga	Generation of large numbers of functional and stable human allo-specific induced-Tregs in the presence of pro-inflammatory cytokines	México
Mucosal Immunity and Microbiome		
Chair Leticia Moreno Fierros		Country
Opening Lecture Porfirio Nava	Epithelial barrier dysfunction during colitis: role of IFN γ .	México
Luisa Cervantes-Barragan	Lactobacillus reuteri induces gut intraepithelial CD4 ⁺ CD8 ⁺ α α + T cells	USA
Marco Vega-Lopez	Intestinal immune response to nematodes in pigs	México
Tomás Villaseñor	Exposure to an enriched environment attenuates mouse experimental colitis	México

Thursday, May 17th.

Angela Wahl	Two New In Vivo Model Systems to Directly Examine Human Gut Microbiota's Role in Human T Cell Development and Immunity	USA
Michael Reinhart	Exposure to all-trans retinoic acid (ATRA) during parenteral immunization increases mucosal immunity in an antigen-specific manner	USA
Systems Immunology and Immunoinformatics		
Chair Elisa Dominguez		Country
Opening Lecture Luis Mendoza	A dynamical model of the regulatory network controlling lymphopoiesis.	México
Jennifer Enciso	Modeling the multi-modular network of normal B lymphopoiesis blockage in acute leukemias	México
Mariana Martinez-Sanchez	Regulatory Network Showcases Mechanisms Underling CD4+ T Cell Differentiation and Plasticity	México
Helena Kuri-Magaña	Understanding Class Switch Recombination related non-coding (CSR-nc) transcription through experimental analysis and data mining of RNA-seq experiments at the NCBI Sequence Read Archive, the GTEx and TCGA projects	México
Carlos Villarreal	Diabetes type 2 as an inflammatory disease: a complex network analysis	México
Elisa Domínguez-Hüttinger	Mathematical modelling of complex host-pathogen interactions on epithelial tissues	México
Clinical and Translational Immunology II		
Chair Edith Oregon		Country
Opening Lecture Ignacio Terrazas	Translational Medicine: Are we ready for helminth therapy?	México
Gabriela López Herrera	Mutations pattern of Primary Antibody Deficiencies by Next Generation Sequencing	México
Marcelo Hill	Tmem176b is a checkpoint in IL-18-dependent tumor immunity	Uruguay
Flavio L. Matassoli	Hydroxypropyl-beta-cyclodextrin as a potential drug to control chronic inflammation in HIV infection by inhibiting the activation of myeloid cells by microbial products	Brasil
Ileana Torres Alarcón	Rheumatoid factor combined with Anti-Modified Citrullinated Vimentin is associated to risk cardiovascular in rheumatoid arthritis	México
Laura Berrón-Ruiz	Low percentages of regulatory T cells in Common Variable immunodeficiency (CVID) patients with autoimmune diseases; and association with increased numbers of CD4+CD45RO+ T and CD21low B cells	México
Vaccines		
Chair Rosendo Luria		Country
Opening Lecture Leandro Carreno	Optimizing NKT cell ligands as vaccine adjuvants.	Chile
Luis A. Ontiveros-Padilla	Protection induced by intradermal immunization with Salmonella Typhi porins correlate with the induction of memory T cells and dendritic cell responses in skin and draining lymph node	México
Alberto Juan Dorta Contreras	Neuroimmunological approach for evaluation of viral measles, mumps and rubella (MMR) triple vaccine	Cuba
Rosendo Luria	Cell-permeable Bak BH3 peptide expressed on the surface of Salmonella enterica induce chemosensitization of tumor cells	México
Oliver Pérez	Alternatives to multiple doses of allergy's immunotherapy	Cuba
Veterinary and Comparative Immunology		
Chair Juan Mosqueda		Country
Opening Lecture Monica Imarai	Salmon adaptive immune response.	Chile
Diana Sánchez Castro	Potential Therapeutic Application of Newcastle Disease Virus for the treatment of Lymphoma	México
Ismael Martínez Cortés	TILMICOSIN A KEY REGULATOR OF INFLAMATION IN BOVINE MAMMARY GLAND	México
Lucinda Puebla-Clark	Characterization of cDC1 and cDC2 and the expression of DEC205 on porcine lymphoid tissues	México
José Eduardo Nolasco Esstrada	Isolation and identification of turkey pox virus and development of an homologous vaccine prototype	México
Immunotherapy and Immunotechnology		
Chair Mayra Perez		Country
Opening Lecture Tania Crombet	Lung cancer immunotherapy: the Center of Molecular Immunology approach.	Cuba
Yanelys Morera	Specific active immunotherapy with a VEGF targeted vaccine: from bench to bedside	Cuba
María Moreno	Attenuated Salmonella as neoadjuvant therapy for melanoma-bearing mice undergoing chemotherapy	Uruguay
Fernando Goni	Monoclonal antibodies specifically targeting protein B-sheet secondary structure can diminish toxic oligomers and pathology in neurodegenerative diseases	USA
Olivier Boyer	Pathogenicity of auto-antibodies from man to mice: the case of immune-mediated necrotizing myopathies	Francia
Juan Tellez Sosa	Development of human monoclonal antibodies against multidrug resistant bacteria	México
Immunology of Infectious Diseases III		
Chair		Country
Opening Lecture Pablo Gonzalez	Identification of a herpes simplex virus type 2 mutant that enables dendritic cell functions that elicit protective antiviral immunity.	Chile
Cuauhtemoc A. Sanchez Barrera	Taenia crassiceps infection induces the recruitment of low density neutrophils with suppressive activity	México

María Menezes	IL-1 α promotes liver inflammation and necrosis during blood-stage Plasmodium chabaudi malaria	Brasil
Ismael Mancilla-Herrera	Higher frequencies of activated naive CD4+CD32a+ T cells in newborn and infants from HIV+ mothers	México
Nathaniel Schramm	Long-term persistence of Zika virus infection in the eye	USA
FOCIS		
Chair Mario Cruz		Country
Opening Lecture Diana Gómez	From immunophenotyping to molecular mechanisms in autoimmune diseases.	México
Octavio Castro-Escamilla	SEB stimulation induces functional pathogenic features in Th17 cells from psoriasis patients	México
Germán Galliussi	Immunomodulatory effects of a third generation synthetic nitroalkene in solid organ allotransplantation	Uruguay
Juan C. Balandrán	Bone marrow organoid-like reveals functional hierarchy governed by the niche in B-cell leukemia-initiating cells	México
Maite Duhalde Vega	IL1 β negatively regulates antiviral immunity in a mouse model of viral hepatitis	Argentina
Estefanía Alemán Navarro	Role of CD43 in the establishment of the immune microenvironment during Mycobacterium tuberculosis infection	México