# [ FIMSA 2021 ] Program by Date

| Date | Time | RoomA - 201-204 Convention Hall | | RoomB - 205 Summit Hall |
|---|---|---|---|---|
| Day 1 Oct 31 (Sun) | 08:00 - 10:00 | Registration | | |
| | 10:00 - 12:00 | Industrial Session | 10:00 - 12:00 | Industrial Session |
| | 12:00 - 13:40 | Lunch | | |
| | 13:40 - 15:20 | Block Symposium 1 - Cancer Immunology<br>[Cell & Matrix Research Institute, Kyungpook National University]* | 13:40 - 15:20 | Block Symposium 2 - Allergy<br>[Department of Microbiology, Institute for Immunology and Immunological Diseases, Yonsei University College of Medicine]* |
| | 13:40 - 14:05 | A Novel Hinge Maximizes the Therapeutic Efficacy of Chimeric Antigen Receptor-T Cells<br>Yiwei Chu (Shanghai Medical College, Fudan University) | 13:40 - 14:05 | A unique population of neutrophils generated by air pollutant-induced lung damage exacerbates airway inflammation<br>Hye-Young Kim (Seoul National University College of Medicine) |
| | 14:05 - 14:30 | Regulatory mechanisms of T cell activation by immuno-inhibitory co-receptors<br>Taku Okazaki (University of Tokyo) | 14:05 - 14:30 | Memory-type pathogenic Th2 (Tpath2) cells in airway inflammation<br>Toshinori Nakayama (Chiba University) |
| | 14:30 - 14:55 | Endogenous DEL-1 restrains melanoma lung metastasis by limiting myeloid cell-associated lung inflammation<br>Hun-Sik Kim (Asan Medical Center, University of Ulsan College of Medicine) | 14:30 - 14:55 | Innate Lymphoid Cells Activation and Transcriptomic Changes in Response to Human Dengue Infection<br>Ponpan Matangkasombut-choopong (Mahidol University) |
| | 14:55 - 15:20 | Single-cell atlas across organs and developmental stage provides hints on the cancer immunity<br>Jong-Eun Park (Graduate School of Medical Science and Engineering, KAIST) | 14:55 - 15:20 | Skin-resident NKT cells in atopic dermatitis<br>Chang-Ook Park (Yonsei University College of Medicine) |
| | 15:20 - 15:40 | Break | | |
| | 15:40 - 17:20 | Block Symposium 3 - Infection and Immunity<br>[Konkuk University School of Medicine Research Center for Toll Like Receptor derived disease]* | 15:40 - 17:20 | Block Symposium 4 - Autoimmune Diseases |
| | 15:40 - 16:05 | SARS-CoV-2-specific CD8+ T cell responses in COVID-19 patients<br>Oanh Nguyen (University of Melbourne) | 15:40 - 16:05 | Role of Th9 cells in health and diseases<br>Amit Awasthi (Translational Health Science and Technology Institute) |
| | 16:05 - 16:30 | Immune responses to COVID-19: from Diagnostics to Therapies<br>Lisa Ng (A*STAR and Singapore Immunology Network (SIgN)) | 16:05 - 16:30 | Roles of plasma cells in lupus pathogenesis<br>Liwei Lu (University of Hong Kong) |
| | 16:30 - 16:55 | Stereotypic neutralizing VH antibodies against SARS-CoV-2 spike protein receptor binding domain in patients with COVID-19 and healthy individuals<br>Jun-Ho Chung (Seoul National University College of Medicine) | 16:30 - 16:55 | Phosphatase-mediated fine-tuning of immune receptors in autoimmunity<br>Doo-Hyun Chung (Seoul National University College of Medicine) |
| | 16:55 - 17:20 | GABAergic Signaling and Autophagy in Innate Host Defense<br>Eun-Kyung Cho (Chungnam National University College of Medicine) | 16:55 - 17:20 | Interplay between lymph node stromal cells and T cells for the regulation immune responses<br>Seung-Hyo Lee (Graduate School of Medical Science and Engineering, KAIST) |
| | 17:20 - 17:40 | Break | | |
| | 17:40 - 18:30 | Plenary Lecture 1 (205 Summit Hall)<br>Function of memory B cells and their generation mechanism<br>Tomohiro Kurosaki (Osaka University) | | |
| Day 2 Nov 01 (Mon) | 08:30 - 10:10 | Block Symposium 5 - Regulation of T Cell Immunity<br>[Immune Synapse Research Center, GIST]* | 08:30 - 10:10 | Block Symposium 6 - Microbiome and Immunity |
| | 08:30 - 08:55 | Regulatory T cell necroptosis can be exploited to improve immunity to pathogens<br>Charis Teh ( Walter and Eliza Hall Institute of Medical Research) | 08:30 - 08:55 | Microbiome, immunity and colorectal cancer<br>Jun Yu (Chinese University of Hong Kong) |
| | 08:55 - 09:20 | Tipping the Balance of Cardiovascular Disease Development and Repair: A Functional Role of Regulatory T-cells<br>Kathy Lui (Chinese University of Hong Kong) | 08:55 - 09:20 | Microbiome studies on allergic diseases<br>Bong-soo Kim (Hallym University) |
| | 09:20 - 09:45 | IDO1-mediated ROS scavenge in myeloid-derived cells regulates allogeneic CD8 T cells and suppresses graft-versus-host disease<br>Eun-Young Choi (Seoul National University College of Medicine) | 09:20 - 09:45 | Microbial metabolites as inter-kingdom signaling messengers<br>Ara Koh (Sungkyunkwan University School of Medicine) |
| | 09:45 - 10:10 | Senescent Tumor Cells Build a Cytokine Shield in Colorectal Cancer<br>Tae-Jun Park (Ajou University School of Medicine) | 09:45 - 10:10 | Gut microbiota and autoimmune diseases<br>Hiroshi Ohno (RIKEN Research Institute) |
| | 10:10 - 10:30 | Break | | |
| | 10:30 - 12:00 | Special Symposium 1 (205 Summit Hall)<br>Immunology of COVID-19 | | |
| | 10:30 - 11:00 | COVID-19: Animal Models and Immune Responses<br>Stanley Perlman (University of Iowa) | | |
| | 11:00 - 11:30 | Systems biological analysis of immunity to COVID-19 infection and vaccination<br>Bali Pulendran (Stanford University) | | |
| | 11:30 - 12:00 | T cell Responses in Respiratory Coronavirus Infected Mice and Humans<br>Jincun Zhao (Guangzhou Medical U) | | |
| | 12:00 - 13:50 | Lunch & Poster Presentation 1 | | |

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| | 13:50 - 15:30 | **Block Symposium 7 - NK cells and Innate T Cells** | 13:50 - 15:30 | **Block Symposium 8 - Neuroimmunology [Laboratory for Neutroinflammation-based Neural Network Modulation, Yonsei University College of Medicine]*** |
| | 13:50 - 14:15 | **Obesity-induced vaginal microbiota-γδ T cell crosstalk protects female reproductive tract from viral infection**<br>Heung-Kyu Lee (Graduate School of Medical Science and Engineering, KAIST) | 13:50 - 14:15 | **Compartmental features of B cells in NMOSD**<br>Fu-Dong Shi (Tianjin Medical University) |
| | 14:15 - 14:40 | **Heterogeneity and maintenance of intestinal intraepithelial TCRαβ+CD8αα+ T cells**<br>Koji Yasutomo (Tokushima University) | 14:15 - 14:40 | **Human autoantibodies against glial antigens**<br>Sung-Min Kim (Seoul National University College of Medicine) |
| | 14:40 - 15:05 | **iNKT cells regulate the development of IgE producing plasma cells in the thymus**<br>You-Jeong Lee (Seoul National University) | 14:40 - 15:05 | **Neural Repair of Ischemic Brain Injury by Macrophages and Regulatory T cells**<br>Akihiko Yoshimura (Keio University) |
| | 15:05 - 15:30 | **MAIT cells in human diseases: Biology and clinical implications**<br>MinSeok Nah (Korea Advanced Institute of Science&Technology) | 15:05 - 15:30 | **Glial crosstalk in neuroinflammation**<br>Kyoung-Ho Suk (Kyungpook National University) |
| | 15:30 - 15:50 | **Break** | | |
| | 15:50 - 17:20 | **Oral Presentation 1** | 15:50 - 17:20 | **Oral Presentation 2** |
| | 17:20 - 17:40 | **Break** | | |
| | 17:40 - 18:30 | **Plenary Lecture 2 (205 Summit Hall)**<br>**IL-17 family cytokines in mucosal immunity and diseases**<br>**Chen Dong (Tsinghua University)** | | |
| **Day 3 Nov 02 (Tue)** | 08:30 - 10:10 | **Block Symposium 9 - Immunometabolism [Meta Inflammation Research Institute(MIRI), University of Ulsan]*** | 08:30 - 10:10 | **Block Symposium 10 - Dendritic Cells and Innate Immunity** |
| | 08:30 - 08:55 | **Fatty acid metabolism directs cell fate decision during the generation of memory CD4+ T cells**<br>Yusuke Endo (Kazusa DNA Research Institute) | 08:30 - 08:55 | **Fate mapping analysis reveals a novel murine dermal migratory Langerhans-like cell population**<br>Christiane Ruedl (Nanyang Technological University) |
| | 08:55 - 09:20 | **Metabolic regulation of Tfh cells: monitoring and modulation**<br>Di Yu (The University of Queensland) | 08:55 - 09:20 | **NLRP12, an Innate Immune Checkpoint regulates viral infection and autoimmune diseases with type I IFN signature**<br>Szu-Ting Chen (National Yang-Ming University) |
| | 09:20 - 09:45 | **Role of IL-33-regulated ILC2s in cardiac fibrosis**<br>Wei-Yu Chen (Kaohsiung Chang Gung Memorial Hospital) | 09:20 - 09:45 | **Prostaglandin E2 receptor PTGER4-expressing macrophages promote intestinal epithelial barrier regeneration upon inflammation**<br>Seung-Hyeok Seok (Seoul National University College of Medicine) |
| | 09:45 - 10:10 | **Roles of Myeloid Cells in the Pathogenesis of Atherosclerosis**<br>Goo-Taeg Oh (Ewha Womans University) | 09:45 - 10:10 | **Migration trajectory of neutrophils is limited to the spiral ligament but not the stria vascularis in the coclea during inflammation**<br>Young-Min Hyun (Yonsei University College of Medicine) |
| | 10:10 - 10:30 | **Break** | | |
| | 10:30 - 12:00 | **Oral Presentation 3** | 10:30 - 12:00 | **Oral Presentation 4** |
| | 12:00 - 13:50 | **Lunch & Poster Presentation 2** | | |
| | 13:50 - 15:30 | **Block Symposium 11 - Regulation of B Cell Immunity** | 13:50 - 15:30 | **Block Symposium 12 - Mucosal Immunology** |
| | 13:50 - 14:15 | **CD40 mediated GSK3 inactivation is a critical cue in plasma cell forming**<br>Seung-Goo Kang (Kangwon National University) | 13:50 - 14:15 | **Regulation of intestinal homeostasis**<br>Kiyoshi Takeda (Osaka University) |
| | 14:15 - 14:40 | **Transcriptional regulation of the B:T synapse formation and its role in Tfh differentiation of CD4 T cells**<br>Youn Soo Choi (Seoul National University School of Medicine) | 14:15 - 14:40 | **Integration of nutrient sensing and host defense in the intestinal epithelial cells**<br>Xiaoyu Hu (Tsinghua University) |
| | 14:40 - 15:05 | **TBD**<br>Cindy Ma (Garvan Institute) | 14:40 - 15:05 | **A secretory protein of a nasal microbiome increases host infection resistance by potentiating airway innate immunity**<br>Sang-Seon Yoon (Yonsei University College of Medicine) |
| | 15:05 - 15:30 | **Role of Ten-eleven translocation (Tet) in B cell self-tolerance**<br>Shinya Tanaka (Kyushu University) | 15:05 - 15:30 | **RORα enforces stability of the T-helper-17 cell effector program**<br>Jun-Yong Lee (Yonsei University College of Medicine) |
| | 15:30 - 15:50 | **Break** | | |
| | 15:50 - 17:20 | **Special Symposium 2 (205 Summit Hall)**<br>**Spatial Multi-omics in Immunology** | | |
| | 15:50 - 16:20 | **Exploring the tissue landscape by spatially-resolved transcriptomics**<br>Joakim Lunderberg (KTH Royal Institute of Technology) | | |
| | 16:20 - 16:50 | **Highly multiplexed imaging of tissues with subcellular resolution by imaging mass cytometry**<br>Bernd Bodenmiller (University of Zurich) | | |
| | 16:50 - 17:20 | **Single-cell tumor architecture predicts cancer immunotherapy response**<br>Christian M. Schuerch (University Hospital Tuebingen) | | |
| | 17:20 - 17:40 | **Break** | | |
| | 17:40 - 18:30 | **Plenary Lecture 3 (205 Summit Hall)**<br>**How follicular regulatory T cells control rogue B cell responses**<br>**Carola Vinuesa (The Australian National University)** | | |

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| Day 4<br>Nov 03<br>(Wed) | 08:30 - 10:10 | **Block Symposium 13 - Cancer Immunotherapy**<br>**[Immunotherapy Innovation Center, Chonnam National University Medical School]* [Center for Biomolecular Capture Technology, POSTECH]*** | 08:30 - 10:10 | **Block Symposium 14 - Immunogenomics** |
| | 08:30 - 08:55 | **Targeting tumour immune microenvironment for biomarker and therapeutic discovery**<br>Valerie Chew (SingHealth-DukeNUS) | 08:30 - 08:55 | **Antibody-mediated responses to chronic viral infections are underpinned by dysregulation of epigenetic complexes**<br>Kim Jacobson (Monash University) |
| | 08:55 - 09:20 | **CAR-T cell Immunotherapy for B-cell ALL and T-cell ALL**<br>Peihua Lu (Lu Daopei Hospital) | 08:55 - 09:20 | **The Role of NET-DNA in Cancer Immunity**<br>Erwei Song (Sun Yat-Sen University) |
| | 09:20 - 09:45 | **Diverse strategies to improve the efficacy of immunotherapy in solid tumors**<br>Se-Hoon Lee (Sungkyunkwan University School of Medicine) | 09:20 - 09:45 | **Multilayer approach to understand the complexity of chronic inflammtory diseases and their intervention**<br>Jeong-Seok Lee (GENOMEinSIGHT) |
| | 09:45 - 10:10 | **Harnessing Adaptive Natural Killer Cells for Immunotherapy in Multiple Myeloma**<br>Hyun-Soo Cho (Yonsei University College of Medicine) | 09:45 - 10:10 | **LDHA-associated lactate production blunts interferon responses in human macrophages**<br>Sung-Ho Park (Ulsan National Institute of Science&Technology) |
| | 10:10 - 10:30 | **Break** | | |
| | 10:30 - 12:10 | **Block Symposium 15 - Vaccine Development**<br>**[International Vaccine Institute(IVI)]***<br>**[Vaccine Innovative Technology ALliance Korea (VITAL-Korea)]*** | 10:30 - 12:10 | **Block Symposium 16 - Tissue-Resident Immune Cells** |
| | 10:30 - 10:55 | **Designing the perfect viral vaccine**<br>Eng Eong Ooi (National University of Singapore) | 10:30 - 10:55 | **Eosinophils in gastrointestinal tract**<br>Mehrnaz Mesdaghi (Shahid Beheshti University of Medical Sciences) |
| | 10:55 - 11:20 | **SFTS virus infection animal models and their applications for evaluation of therapeutics and vaccine developments**<br>Young-Ki Choi (Chungbuk National University) | 10:55 - 11:20 | **LYVE-1+ tissue resident macrophages: what do we know?**<br>Veronique Angeli (National University of Singapore) |
| | 11:20 - 11:45 | **Strategies to Improve Seasonal and Pandemic Influenza Vaccines**<br>Kanta Subbarao (University of Melbourne) | 11:20 - 11:45 | **Defining the Molecular Network Between the Host and Gut Microbes in Regulation of Intestinal Immunity**<br>Myung-Hoo Kim (Pusan National University) |
| | 11:45 - 12:10 | **COVID-19 vaccines development update**<br>Anh Wartel (International Vaccine Institute) | 11:45 - 12:10 | **Essential Role of Angiogenesis-Associated TH17 cells in Rheumatoid Arthritis**<br>Wan-Uk Kim (The Catholic University of Korea) |