

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Inflammation, Microbiota and Cancer (E3)

May 17-21, 2020 • Humanities/Social Sciences Building of Academia Sinica • Taipei, Taiwan  
Scientific Organizers: Giorgio Trinchieri, Jenny P.Y. Ting, Hsing-Jien Kung and Jennifer A. Wargo

Developed in collaboration with Academia Sinica  
Global Advisory Council Members: Fu-Tong Liu, Edmond Shie-Liang Hsieh

Sponsored by Cell Research

Discounted Abstract & Scholarship Deadline: January 16, 2020 / Abstract Deadline: February 18, 2020 / Discounted Registration Deadline: March 17, 2020

### SUNDAY, MAY 17

#### Arrival and Registration

### MONDAY, MAY 18

#### Welcome and Keynote Address

**Douglas Lowy**, NCI, National Institutes of Health, USA  
*Vaccination to Prevent HPV-Associated Cancers*

#### Innate Signaling and Cancer

**Jenny P.Y. Ting**, University of North Carolina at Chapel Hill, USA  
*The Impact of NLRs on Immunity and Cancer*

**Marco Colonna**, Washington University School of Medicine, USA  
*Innate Lymphoid Cell Plasticity*

**Michael Karin**, University of California, San Diego, USA  
*Inflammasome Activation in Cancer*

#### Short Talks Chosen from Abstracts

#### Metabolism and Tumor Microenvironment

**Luke A. J. O'Neill**, Trinity Biomedical Sciences Institute, Ireland  
*From NLRP3 to Metabolic Reprogramming*

**Eran Elinav**, Weizmann Institute of Science, Israel  
*Host-Microbiome Interactions in Health and Disease*

**Hsing-Jien Kung**, Taipei Medical University, Taiwan  
*Long Non Coding RNA Targeting Tumor Metabolism and Microenvironment*

#### Short Talks Chosen from Abstracts

#### Poster Session 1

### TUESDAY, MAY 19

#### Microbiota and Cancer

##### Speaker to be Announced

**Susan Bullman**, Fred Hutchinson Cancer Research Center, USA  
*Analysis of Fusobacterium Persistence and Antibiotic Response in Colorectal Cancer*

**Giorgio Trinchieri**, NCI, National Institutes of Health, USA  
*Therapy Toxicity and Cancer Comorbidities*

**Wendy S. Garrett**, Harvard School of Public Health, USA  
*Gastrointestinal Immune System and the Gut Microbiota in Colorectal Cancer*

#### Short Talks Chosen from Abstracts

#### Panel: Effects of Race and Ethnicity on Microbiome: Impacts on Cancer Health Disparities

**Wendy S. Garrett**, Harvard School of Public Health, USA

**Douglas Lowy**, NCI, National Institutes of Health, USA

**Seth Bordenstein**, Vanderbilt University, USA  
*Diversity in Ethnicity, Race and the Microbiome: What are the Rules?*

**Stephen J.D. O'Keefe**, University of Pittsburgh, USA

#### Carcinogenic Pathogens

**Maura Lianne Gillison**, University of Texas MD Anderson Cancer Center, USA  
*HPV and Head/ Neck Cancer*

**Yinling Hu**, NCI, National Institutes of Health, USA  
*Autoimmunity, Fungal Infection and Oral/Esophageal Cancer*

**Muh-Hwa Yang**, National Yang-Ming University, Taiwan  
*Exosomal Non-Coding RNAs and Immunomodulation in Oral Cancer*

#### Short Talks Chosen from Abstracts

#### Poster Session 2

### WEDNESDAY, MAY 20

#### Microbiota and Cancer Therapy

**Jennifer Ann Wargo**, University of Texas MD Anderson Cancer Center, USA

*Microbiota in Anti-Melanoma Immunotherapy*

**Laurence Zitvogel**, Institut Gustave Roussy, France  
*Microbiota in Anti-Lung Cancer Immunotherapy*

**Eric G. Pamer**, University of Chicago, USA  
*Microbiota in Bone Marrow Transplantation*

**Aoife M. Brennan**, Synlogic, USA  
*Synthetic Biotics in Cancer Therapy*

#### Short Talks Chosen from Abstracts

#### Innate Receptors and Acquired Immunity

**Andreas Diefenbach**, Charité – Universitätsmedizin Berlin, Germany  
*IL-22 and Genotoxic Stress Response of Epithelial Stem Cells*

**Eric Vivier**, Centre d'Immunologie de Marseille-Luminy, Innate Pharma, France

*Targeting Natural Killer Cells and Natural Killer T Cells in Cancer*

**Yardena Samuels**, Weizmann Institute of Science, Israel  
*Towards Deciphering the Neo-Antigenic and Microbial Landscapes in Melanoma*

#### Short Talks Chosen from Abstracts

#### Poster Session 3

### THURSDAY, MAY 21

#### Innate and Immune Cells in the Tumor Microenvironment

**Lisa M. Coussens**, Oregon Health & Science University, USA  
*Inflammation and Cancer: Reprogramming the Immune Microenvironment*

**Julie Magarian Blander**, Weill Cornell Medicine, Cornell University, USA

*Detecting and Responding to Bacterial Viability*

**Chen Dong**, Tsinghua University, China  
*Tumor Infiltrating Myeloid Cells and Impact on Checkpoint Inhibition*

**Fu-Tong Liu**, Academia Sinica, Taiwan  
*Galectins and Cancer: Association with Recognition of Glycans in Damaged Organelles*

#### Short Talks Chosen from Abstracts

#### Inflammation and Cancer of the Immune System

**Kuo-I Lin**, Academia Sinica, Taiwan  
*Multiple Myeloma*

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**Catherine Callaghan Coombs**, University of North Carolina at  
Chapel Hill, USA

*Clonal Hematopoiesis in Liquid and Solid Tumors*

### Short Talk Chosen from Abstracts

### Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

### FRIDAY, MAY 22

### Departure