



**UNITED** Scientific  
Group  
A non-profit scientific organization

**MICROBIO**

International Conference on

# Microbial Research and Applications

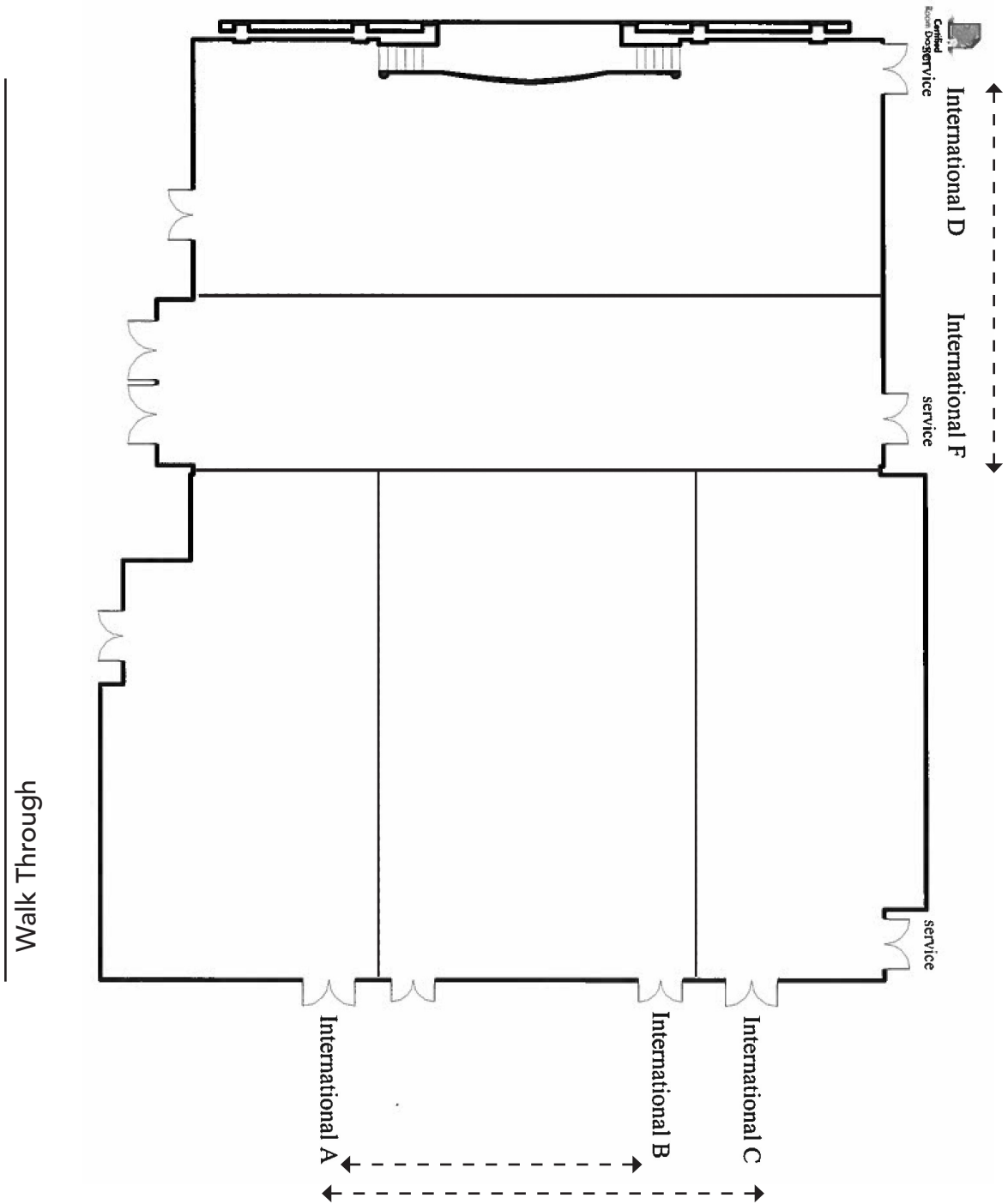


**November 13-14, 2019**

**Venue**

**Radisson Hotel Baltimore Downtown-Inner Harbor**  
101 W Fayette St, Baltimore, MD 21201, USA

# Venue Floor Plan



Wifi is complimentary and can be accessed via the Radisson\_GUEST network.  
You just need to accept the Terms & Conditions that pop up.

## Day 01 | November 13, 2019

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08:30-08:50 Registrations & Welcome Coffee @ Promenade  
08:50-09:00 Introduction to **MICROBIO-2019**

### Keynote Session

@ International C

**09:00-09:40 Autoreactive T Cells and Chronic Fungal Infection Drive Esophageal Carcinogenesis**  
Yinling Hu, NCI/NIH, MD

**09:40-10:20 Microbial Genomics: A Case Study in Evolutionary Biology**  
Shiladitya DasSarma, University of Maryland, MD

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### 10:20-10:50 Coffee Break and Networking

@ International B

**10:50-11:30 Metabolism in Microbial Communities Exploited for Chemical Production, Balancing Our Health and in Ecosystem Engineering**  
Elias Hakalehto, University of Helsinki, University of Eastern Finland and Finnflag Oy, Finland

**11:30-12:10 Lantibiotics: A Large Untapped Pipeline of Attractive Scaffolds for the Development of Novel Antibiotics**  
Martin Handfield, Orogenics. Inc., FL

**12:10-12:40 Ion and Nutrient Trafficking in Malaria Parasites**  
Sanjay A. Desai, NIAID/NIH, MD

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### 12:40-14:00 Lunch and Networking

@ International B

**Session I: Antibiotics and Antimicrobial Resistance, Medical Microbiology and Immunology**  
@ International C

**Chairs:** *Xilin Zhao, Rutgers University, NJ*

**14:00-14:30 The Role of Gut Microbiome in the Increase of Autoimmune Diabetes in Finland**  
Jouni Pesola, Kuopio University Hospital, Finland

**14:30-15:00 To Die or Not to Die, ROS Has the Final Say**  
Xilin Zhao, Rutgers University, NJ

**15:00-15:30 Factors Influencing the Evolution of Carbapenem Resistance in *Klebsiella pneumoniae***  
Peijun Ma, The Broad Institute of MIT and Harvard, MA

**15:30-16:00 Targeting Malaria Parasite and Host Liver Cell Interactions with A Phage Display Library**  
Marcelo Jacobs Lorena, Johns Hopkins Bloomberg School of Public Health, MD

**16:00-16:30 Migration of Multidrug Resistant (Mdr) Zoonotic *Salmonella* spp. and *Campylobacter* spp. from Poultry Meat / Farm Environment to Human and Forecasting their Mdr Pattern on Public Health in Bangladesh Perspective**  
Suvamoy Datta, Primeasia University, Bangladesh

Posters

- P-01 Regulatory Roles of the Transcription Factor Cyclic Amp-Responsive Element-Binding Protein H in Lipoprotein Homeostasis**  
Min Jae Lee, Seoul National University College of Medicine, South Korea
- P-02 Regulatory Roles of The Transcription Factor Cyclic Amp-Responsive Element-Binding Protein H in Lipoprotein Homeostasis**  
Jung Hoon Lee, Seoul National University College of Medicine, South Korea
- P-03 Intracellular Polysaccharide Storage is Essential for The Colonization of Commensal Bifidobacterium Breve UCC2003 In the Murine Gut**  
María Esteban Torres, APC Microbiome, University College Cork, Ireland

## Day 02 | November 14, 2019

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### Session II: Clinical Diagnosis Microbiology, Clinical Immunology and Cell Biology @ International C

**Chairs:** *Shiladitya DasSarma, University of Maryland, MD*  
*Kyle Bittinger, Children's Hospital of Philadelphia, PA*

**08:30-09:00 Ccr5 Targeting Drugs Enhance Suppression of HIV Infection in Cd34+ Hematopoietic Humanized Mice Treated with Standard CART Therapy**  
Olga Latinovic, Institute of Human Virology, University of Maryland, MD

**09:00-09:30 Computational Approaches to the Gut Microbiome and Its Association with Diet, Disease and Antibiotics**  
Kyle Bittinger, Children's Hospital of Philadelphia, PA

**09:30-10:00 Involvement of Oprf And Cell Wall Detachment in Outer Membrane Vesicle Biogenesis**  
Shrestha Mathur, Binghamton University, NY

### Session III: Virology Bacteriology and Parasitology @ International C

**Chairs:** *Elias Hakalehto, University of Helsinki, Finland*  
*Debabrata Biswas, University of Maryland, MD*

**10:00-10:30 Plant Virus Nanoparticles: New Applications for Developing Countries**  
Kathleen Hefferon, University of Toronto, Canada

**10:30-11:00 Limiting *Campylobacter jejuni* Pathogenesis with Linoleic Acids Over-Producing *Lactobacillus casei***  
Debabrata Biswas, University of Maryland, MD

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### 11:00-11:15 Coffee Break and Networking @ International B

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**11:15-11:45 Eupathdb & Clinepidb – Integrated Resources for Eukaryotic Pathogen Omics and Epidemiological Studies of Infectious Diseases**  
Jessica C Kissinger, Institute of Bioinformatics, University of Georgia, GA

### Session IV: Food and Environmental Microbiology and Microbial Genetics, Cell Biology and Bacteriology @ International C

**Chairs:** *Sanjay A. Desai, NIAID/NIH, MD*  
*Daniel Kunz, University of North Texas, TX*

**11:45-12:15 Species-level Identification from 16S via Simultaneous Weighted Analysis of All 16S Hypervariable Regions**  
Seth Crosby, Washington University in St. Louis, MO

- 12:15-12:45**    **Application of Multiple Methods for the Detection and Enumeration of Pathogenic Vibrios in the Mid-Atlantic Region of the United States**  
Salina Parveen, University of Maryland Eastern Shore, MD
- 12:45-13:15**    **Nit1C: A Unique Gene Cluster Essential for Bacterial Cyanotrophy**  
Daniel Kunz, University of North Texas, TX
- 13:15-13:45**    **A Diverse Range of Human Gut Bacteria Have the Potential to Metabolize the Dietary Component Gallic Acid**  
María Esteban Torres, APC Microbiome, University College Cork, Ireland

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**13:45-**            **Lunch Break & Departure**

**@ International B**

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*We wish to see you again  
at  
MicroBio – 2020*



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