

## Program of IS-ACT

<b>TIME</b>	<b>10/29/2019 Tuesday</b>
	<b>Hua-Li Hall, International Research Bldg. 1F (國際研究大樓 1F, 華立廳)</b>
<b>08:30-09:00</b>	<b>Registration</b>
<b>Opening remarks</b>	
<b>09:00-09:30</b>	<b>Welcome and Opening Remarks</b>
	<p><b>Chia Wang (王家蓁)</b>  <i>Chair of IS-ACT and  Director, Aerosol Science Research Center, National Sun Yat-sen University, Kaohsiung Taiwan</i></p> <p><b>Meng Yu Tsai (蔡孟裕)</b>  <i>Head, Department of Air Quality Protection and Noise Control,  Environmental Protection Agency, Taiwan</i></p>
<b>9:30-10:00</b>	<b>Photo and Coffee</b>
<b>Session 1 : Aerosol Characterization I</b> <b>Chair : Jonathan Slade</b>	
<b>10:00-10:40</b>	<p><b>Judith Chow</b>  <i>Division of Atmospheric Sciences Desert Research Institute, USA</i>  Separation of PM2.5 Brown Carbon from Black Carbon using Multiwavelength Thermal / Optical Carbon Analysis</p>
<b>10:40-11:20</b>	<p><b>Ralf Zimmermann</b>  <i>University of Rostock and Helmholtz Zentrum München, Germany</i>  Innovative methods for accessing the composition, sources and health-relevance of aerosols: From cell exposure at the air-liquid-interface to innovative single particle laser mass spectrometry</p>
<b>11:10-12:00</b>	<p><b>Theodora Nah</b>  <i>City University of Hong Kong, Hong Kong</i>  Ammonia, Aerosol Acidity, and Gas-Aerosol Partitioning</p>
<b>12:00-13:40</b>	<b>Lunch</b>
<b>Session 2 : Aerosol Therapies I</b> <b>Chair : Chia Wang</b>	
<b>13:40-14:20</b>	<p><b>Chantal Darquenne</b>  <i>Department of Medicine,  Department of Medicine, University of California, San Diego, CA, USA</i>  Basics of Aerosol Transport and Deposition in the Lung</p>
<b>14:20-15:00</b>	<p><b>Igor Gonda</b>  <i>Founder and CEO, Respidex LLC, San Francisco, CA, USA</i>  Inhalation Treatment of Respiratory Infections</p>
<b>15:00-15:30</b>	<b>Coffee</b>
<b>15:30-16:10</b>	<p><b>Arbel Artzi-Schnirman</b>  <i>Israel Institute of Technology, Haifa, Israel</i>  Lung-on-chip Platforms: Narrowing the Gap Between In Vitro Models to In Vivo</p>
<b>16:50-17:30</b>	<p><b>Jen-Huang Huang (黃振煌)</b>  <i>Department of Chemical Engineering National Tsing-Hua University, Hsinchu, Taiwan</i>  Aerosol Delivery into Spontaneous Breathing Lung-on-a-Chip Model</p>

TIME	10/29/2019 Tuesday
17:10-17:50	<b>Mohd Basyaruddin Abdul Rahman</b> <i>Putra University, Malaysia</i> Aerosolized Lipid-based Nanoemulsion System Loaded with Anticancer Drugs for Lung Cancer Treatment via Pulmonary Route
18:00	<b>Dinner at Sunset Beach Resort 1F 西子灣沙灘會館 1F中餐廳</b>

TIME	10/30/2019 Wednesday
	<b>Hua-Li Hall, International Research Bldg. 1F (國際研究大樓 1F, 華立廳)</b>
<b>Session 3 : Aerosol Characterization II</b> <b>Chair : Ralf Zimmermann</b>	
09:00-09:40	<b>John G. Watson</b> <i>Division of Atmospheric Sciences, Desert Research Institute, CA, USA</i> Evaluation of Microsensors for Air Quality Management
09:40-10:20	<b>Jonathan Slade</b> <i>University of California, San Diego, CA, USA</i> Real-time measurements of the evolution of marine aerosol phase and molecular composition
10:20-10:50	<b>Coffee</b>
<b>Session 4 : Aerosol Therapies II</b> <b>Chair : Chantal Darquenne</b>	
10:50-11:30	<b>Hsiao-Chi Chuang</b> <i>Taipei Medical University, Taipei, Taiwan</i> Neuropulmonary Toxicity and Air Pollution: Models for Environmental Disease and Airway Therapy
11:30-12:10	<b>Chia Wang (王家蓁)</b> <i>National Sun Yat-sen University, Taiwan</i> Characterizing Secondary Organic Aerosols and Reaction Intermediates Formed During Ozonolysis of Monoterpenes via Electronic and Vibrational Spectroscopy Approaches
11:50-13:00	<b>Lunch</b>
13:00-18:00	<b>Excursion</b> Hakka Village in Meinon and Fo-Guang Shan Buddha Museum
18:00-20:30	<b>Dinner</b>



## Program of IS-ACT

TIME	10/31/2019 Thursday
	Hua-Li Hall, International Research Bldg. 1F (國際研究大樓 1F, 華立廳)
<b>Session 5 : Aerosol Characterization III</b> <b>Chair : John Watson</b>	
09:00-09:40	<b>Yuan-Pin Chang</b> <i>National Sun Yat-sen University, Taiwan</i> Top-down and Bottom-up Approaches to Unveil the Role of Ozonolysis in the Formation of Aerosol
09:40-10:20	<b>Arnab Bagchi</b> <i>National Sun Yat-sen University, Taiwan</i> Evidence and Evolution of Reaction Intermediates and Secondary Organic Aerosols Formed via Ozonolysis of $\alpha$ -Pinene
10:20-10:50	Coffee
<b>Session 6 : Aerosol Therapies III</b> <b>Chair : Igor Gonda</b>	
10:50-11:30	<b>Hsiang-Tsui Wang (王湘翠)</b> <i>Department &amp; Institute of Pharmacology National Yang-Ming University</i> Household Hazard- Carcinogenicity of Acrolein
11:30-12:10	<b>Chunhuei Chi</b> <i>School of Biological and Population Health Sciences and            Director, Center for Global Health, Oregon State University, USA</i> Science and Public Policy of Regulating Air Pollution in Global Context.
12:10-12:20	Concluding Remarks
12:20-14:00	Lunch Box
14:00-16:00	<b>Open Discussions and Lab/Campus Tour</b> <b>(For ASRC members and invited speakers only)</b>