

San Diego Chinese American Science and Engineering Association
聖地牙哥中華科工聯誼會

2018 Tech Forum:

Pioneering Research in Cancer Treatment and Prevention

[癌症治療和預防的開創性研究] 科技研討會

October 20, 2018 (Saturday), 9:00am – 4:20pm

Location: Qualcomm Q Auditorium, 6455 Lusk Blvd, San Diego, CA 92121

Free Registration. RSVP required before **10/15/2018**.

Registration Website: <https://goo.gl/forms/x8A7XK4KWS7e52mg1>

SDCASEA will provide free lunch boxes and SDCASEA Power-Bank souvenirs for all participants (easy-recharging your phones or smart devices).

Agenda:

9am – 9:30am Opening Remarks (President of SDCASEA: Prof. Ming-Hsiang Tsou, San Diego State University, Co-Host: Prof. Shu Chien, UC-San Diego, Sponsor: TECO Science and Technology Division Director: Richard Chang).

Morning Sessions: (Chair/Moderator: **Prof. Yu-Hwa Lo**, UC-San Diego)

9:30am – 10:30am Session-1: (each speaker 25 mins + 5 mins Q&A)

- **Chih-Ming Ho** 何志明, PhD., Distinguished Research Professor, Mechanical and Aerospace Engineering, University of California, Los Angeles. *"AI Based Personalized Theranostics"* (**Opening Keynote Speaker**).
- **Eric T. Ahrens**, PhD, Professor of Radiology, UC-San Diego. *"Next-generation medical imaging tools for non-invasive visualization of immune cells in the body."*

10:30am – 10:45am Coffee Break (15 mins)

10:45am – 11:45am Session-2 (each speaker 25 mins + 5 mins Q&A)

- **Yun-Ming Wang** 王雲銘, PhD, Professor and Dean, Institute of Clinical Medicine, National Chiao Tung University, Taiwan, *"Diagnostic and therapeutic application of nanoparticles"*.
- **Muh Hwa Yang** 楊慕華, MD. PhD, Professor, Institute of Clinical Medicine, National Yang Ming University, Taiwan. *"Understanding the motile nature of metastatic cancers"*.

11:45am – 12:15pm Panel Discussion (30 mins).

- **Panelists:** Drs. Chih-Ming Ho, Eric T. Ahrens, Yun-Ming Wang, Muh Hwa Yang. *Discussion Questions: What are the current Challenges and Obstacles in Cancer Research?*

12:15 pm - 1:30 pm Lunch Break (lunch boxes will be provided onsite).

Afternoon Session: (Chair/Moderator: **Dr. Shaoyang Yeh**, Cell Culture/Bioprocess Scientist at BioLegend)

1:30pm – 2:30 pm Session-3 (each speaker: 25 mins + 5 mins Q&A)

- **Jin Zhang**, PhD, Professor, Departments of Pharmacology, Bioengineering and Chemistry & Biochemistry, UC-San Diego. *“Illuminating Cell Signaling for Treating Cancer”*.
- **Mitchell Gross**, MD. PhD, Associate Professor of Clinical Medicine at the Keck School of Medicine and the Research Director of the Lawrence J. Ellison Institute, University of Southern California. *“Genomically Informed Therapy to Improve Cancer Outcomes”*.

2:30pm – 2:40 pm Coffee Break (10 mins)

2:40pm – 3:40pm Session-4 (each speaker: 25 mins + 5 mins Q&A)

- **Huan-You Wang**, MD. PhD, Director, Hematopathology Fellowship, Clinical Professor of Pathology, Department of Pathology, University of California San Diego Health System, *“Role of Next Generation Sequencing in Diagnosis and Treatment of Hematolymphoid Malignancies”*.
- **Ming-Hsiang Tsou** 鄒明祥, PhD, Professor and Director of the Center for Human Dynamics in the Mobile Age, San Diego State University. *“Mapping Cancer Disparities in Population Science using Geographic Information Systems”*.

3:40 pm – 4:10 pm Panel Discussion (30 mins)

- **Panelists: Drs. Jin Zhang, Mitchell Gross, Huan-You Wang, Ming-Hsiang Tsou.**
Discussion Questions: What Are the Opportunities of Transdisciplinary Cancer Research Collaboration in the Near Future (Next Ten Years)?

4:10pm - 4:20 pm Closing Remark

Co-hosts:

- The Institute of Engineering in Medicine (IEM) at University of California, San Diego and Professor Shu Chien, UCSD.
- The Center for Human Dynamics in the Mobile Age (HDMA), San Diego State University.

Sponsor:

- Ministry of Science and Technology, Taiwan 中華民國科技部
- Science and Technology Division, Taipei Economic and Cultural Office in Los Angeles 駐洛杉磯台北經濟文化辦事處科技組