

Seattle Chinese Biomedical Association (SCBA) 2024 Annual Conference



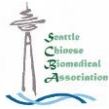
Seattle Chinese Biomedical Association (SCBA) marks its 31st birthday in 2024! Our story has been one of a tight-knit community, consistent scientific exchanges, and a steadfast commitment to support our members & their families.

We are truly grateful for the generous contributions of our current & former board members, selflessly donating their time and skills, as well as the unwavering support from our local and global scientific communities. We are extremely proud of our members' accomplishments throughout the years as they progressed to occupy leadership roles across academia, industry, and government sectors.

To celebrate, we invite you to join us on **Saturday, December 14th**, for an event featuring distinguished speakers, panelists, wonderful food & social activities, at the **UW South Lake Union Campus, Building F, Room 106, 750 Republican St, Seattle, WA**. We look forward to celebrating SCBA's success with you!

For more information on the 2024 annual meeting, please visit: <https://scbahome.org/31-year-2024>

Any questions, please contact office@scbahome.org



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AGENDA

Venue: University of Washington, South Lake Union Campus,
Building F, Room 106
750 Republican St, Seattle, WA 98109
Parking: Building F underground garage
Date: December 14th, 2024, Saturday

I: Academic Seminars (1:00 -3:00 PM)

1:00 – 1:10 Opening remarks
1:10 – 2:05 Keynote Speaker: Chia-Lin Wei
 (Professor, University of Washington)
2:05 – 3:00 Carlos Campos
 (Assistant Professor, University of Washington)

II: Coffee Break (3:00 – 4:00 PM)

3:30 – 3:40 Sponsor Presentation

III: Industrial Panel Discussion (4:00 – 5:30 PM)

Panelists:
Judy Yu (Sr. Director, Global Medical Affairs Leader, Pfizer Oncology)
Tami Wu (Director, Global Quality Control, Pfizer Global Supply)
Lei He (Vice President, Efficacy Consulting Group)

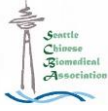
Topic:
Career Development in the Biotech Industry

IV: Award and Board Election (5:30-6:00 PM)

5:30 – 5:45 2024 SCBA-SinoBiological Young Investigator Award
 & 2024 SCBA Summer Internship Award Ceremony
5:45 – 6:00 2024 SCBA Board Election & Annual Budget Report

V: Dinner Buffet (6:00 – 8:00 PM)

6:00 – 8:00 Dinner & socializing
7:50 – 8:00 Closing remarks



KEYNOTE SPEAKER



Chia-Lin Wei, PhD, Professor of Genome Sciences, Department of Genome Sciences, University of Washington. *“Genomic Technologies in Precision Medicine, Challenges and Opportunities.”*

Mammalian genome is extensively folded to form complex three-dimensional (3D) chromatin organization to facilitate functional interactions. These 3D structures and functional interactions are dynamics. Understanding these complex functional interactions and their variations will not only advance fundamental biological knowledge, but also provide novel insights into human disease that could lead to new treatment paradigms. Our research focus on the development and application of advanced genomic technologies to decipher the genome structures, their three-dimensional (3D) organizations and how they modulate molecular phenotypes and complex traits. Our lab pioneered in pair-end-tag (PET) sequencing strategies to advance our ability to understand genome variation and transcription regulation in shaping cellular behavior. In recent years, we developed a suite of approaches including ChIA-PET, ChIA-Drop and ChIATAC to map 3D chromatin conformation which have transformed our understanding in how noncoding elements regulate transcription during development and disease states. We further improved these assays to derive single cell and single molecule resolution for studying complex genome structural variation, specifically, the extrachromosomal DNA (ecDNA) function in cancer. In addition, as one of the pioneers in establishing long-read technologies, we leverage advances in single-molecule, long-read sequencing methods to better identify complex structural variants of ecDNA, their evolution and impacts on ecDNA functions.

DISTINGUISHED SPEAKER



Carlos Campos, PhD, Assistant Professor of Medicine, Division of Metabolism, Endocrinology and Nutrition, UW Diabetes Research Center. *“Towards foundational behavior modeling in mice and neuroscience research.”*

Dr. Carlos Arturo Campos received his PhD in Neuroscience from Washington State University in 2014, where he studied gut-brain mechanisms of appetite control with Dr. Robert Ritter. He then completed a postdoctoral fellowship with Drs. Richard Palmiter and Michael Schwartz at the University of Washington, using mouse transgenic and viral approaches to investigate genetically defined brain pathways involved in feeding behavior, learning, and memory. This research led to several breakthroughs, including the discovery of a brain locus that transduces visceral sensations into emotions, and the identification of a neural pathway that mediates cancer-induced loss of appetite and malaise. Dr. Campos' lab uses predictive modeling to understand the interplay between physiological and environmental factors driving behavior. While they focus on understanding neural mechanisms that control appetite and regulate energy balance using animal models, they are actively developing general purpose solutions for tracking and analyzing behavior from video. This interdisciplinary approach is made possible through collaboration with colleagues in medicine, bioengineering, and computer science.

INDUSTRIAL PANELISTS

“Career Development in the Biotech Industry.”

Judy Yu, PhD (余红), Senior Director, Global Medical Affairs Leader, Pfizer Oncology.

Tami Wu, PhD (吴彤), Director, Global Quality Control, Pfizer Global Supply.

Lei He, PhD (何雷), Vice President, Efficacy Consulting Group.

ACKNOWLEDGMENTS

The SCBA would like to sincerely thank the following companies for their generous support!

