

Dr. Tieli (Tilly) Wang

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***Director, Comprehensive Colleges and Universities Constituency Group
Biography***

Dr. Tieli (Tilly) Wang obtained her Ph.D. from State University of New York at Stony Brook. She then undertook a postdoctoral fellow at Fox Chase Cancer Center Philadelphia in 1999. As a Beckman fellow, she joined Beckman Research Institute at City of Hope National Medical Center in 2001. She has been a professor of California State University Dominguez Hills since 2005 and was the chair in the department of Chemistry and Biochemistry for one term. She is the member of the Sigma Xi scientific society since 1999 and was elected as an associate director for the comprehensive colleges in 2014 and 2017. As an associate director, she has played an active role in assisting the director of the region. She has represented director to participate in the Sigma Xi executive committee meetings and organize the caucus meeting of the comprehensive colleges during the Sigma Xi annual meetings. Those experiences helped her to gain valuable insight into the nature of the Sigma Xi scientific society.

During the past decades, the focus of her research is to study the mechanism by which cancer cells become resistant to the chemotherapy in order to develop novel strategies to advance cancer treatment. She has studied the potential roles of proteins interested in rendering cancer cells resistant to the therapeutic treatments. Interference with this alteration could result in the identification of an alternative chemo-sensitizing factors and guidance to the rational treatment regimens to modulate chemoresistance. Her expertise in the biomedical field has been utilized for undergraduate and graduate education and campus resources. Through inter-disciplinary approaches, she has mentored students majoring in chemistry, biology and clinical chemistry. Students she mentored have given award-winning presentations in the past years at the local and regional conferences. In addition, she obtained certificate in effective college instruction issued by the association of college and university educators and the American council on education.