



School of Electronic, Information and Electrical Engineering

学术报告会

Seminar Announcement

- 题 目: How the brain processes faces
- 日 期: 2017-5-22 上午 09:30-12:00
- 地 址: 电院3号楼200号多功能报告厅
- 报告人: DORIS TSAO



Abstract: I will discuss the anatomy and computational mechanisms used by the brain to represent faces, focusing on recent work from my lab revealing the neural code for facial identity. I will also discuss the problem of how objects are recognized in general, and sketch out what I think are the major unanswered questions about object representation.

Bio:

Doris Tsao is a professor of Biology at Caltech, Investigator of the Howard Hughes Medical Institute, and Director of the Tianqiao and Chrissy Chen Center for Systems Neuroscience at Caltech. She joined the Caltech faculty in 2009, and prior to that was head of an independent research group at the University of Bremen. She studied biology and mathematics at Caltech as an undergraduate and received her Ph.D. in neuroscience from Harvard in 2002. She seeks to understand how visual objects in space are represented in the brain. She is widely recognized for pioneering the use of fMRI to target electrodes for studying visual processing in monkeys, and in particular for her discovery of the macaque face patch system, a network of six regions in the temporal lobe dedicated to face processing. She has received multiple honors including the Sofia Kovalevskaya Award, the Eppendorf and Science International Prize in Neurobiology, Technology Review TR35, Searle Scholar Award, the NIH Pioneer Award, and the Minerva Foundation Golden Brain Award.

Outside of the lab, she enjoys playing the violin and figure skating.



