

Louis H. Nahum Lecture and 70th Birthday Celebration

in honor of

Professor Fred Sigworth

Friday, July 8, 2022

*Yale University School of Medicine
The Anlyan Center, Room N107
300 Cedar St, New Haven, CT 06519*

Time	Title
8:30 – 9:00	Check-in / Coffee
9:00 - 9:15	Michael Caplan, <i>Yale University</i> Welcome
9:15 - 9:45	Teresa Giraldez, <i>Universidad de La Laguna</i> <i>"Structural rearrangements associated with function of BK channels using patch-clamp fluorometry"</i>
9:45 - 10:15	Ted Cummins, <i>Indiana University</i> <i>"Complexities of voltage-gated sodium channel activity"</i>
10:15 – 10:30	BREAK
10:30 - 11:00	Farah Laiwalla, <i>Brown University</i> <i>"Neocortical Communications: Developing Integrated Microelectronic Systems for High-Performance, Chronic Wireless Access to the Brain"</i>
11:00-11:30	Silvia Ravera, <i>Vanderbilt University</i> <i>"Structural insights into the mechanism of the sodium/iodide symporter (NIS)"</i>
11:30- 12:30	Rod MacKinnon, <i>Rockefeller University</i> <i>"Why Piezo channels look the way they do"</i>
12:30 – 2:00	LUNCH
2:00 – 2:30	Jie Zheng, <i>University of California, Davis</i> <i>"Intermediate activation states"</i>
2:30 – 3:00	Steve Sine, <i>Mayo Clinic</i> <i>"Unmasking the signal obscured by noise: ionic current coupled to channel gating"</i>
3:00 – 3:30	Fred Sigworth, <i>Yale University</i> <i>"How come Kv1.2 channels always have their voltage sensors up?"</i>
3:30 – 3:45	BREAK

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Time	Title
3:45 – 4:15	Leon Islas, <i>Universidad Nacional Autónoma de México</i> <i>"Adventures with protons"</i>
4:15 – 5:15	Louis H. Nahum Lecture David Clapham, <i>HHMI Janelia Research Campus</i> <i>"A synapse that short circuits signaling from receptors to nuclei: Serotonergic axonal synapses on primary cilia of CA1 pyramidal neurons."</i>