

7th annual **MERI** endowed lecture



**McPherson**  
**Eye Research Institute**

UNIVERSITY OF WISCONSIN-MADISON

# FROM **RECEPTORS** TO **BEHAVIOR**

featuring

**Charles Zuker**, PhD

*Professor of Biochemistry and Molecular Biophysics and of Neuroscience  
Columbia University College of Physicians and Surgeons  
Investigator, Howard Hughes Medical Institute*

Dr. Charles Zuker is recognized for his studies on the molecular biology, genetics and physiology of our senses, including phototransduction, mechanotransduction, and more recently, taste. Over the past several years, Zuker and collaborators identified the cells and receptors mediating all five basic taste qualities (sweet, sour, bitter, salty, and umami), and helped uncover the logic of taste coding, both at the periphery and in the brain. More recently, his group identified and characterized brain circuits driving motivated behaviors, including those driving appetitive versus aversive behaviors. From reception to perception to action. . .



**Reception - 3:00 PM**

Wisconsin Institutes of Discovery Building  
**Mesozoic Garden-East** - 330 N Orchard St, UW-Madison

**Lecture - 4:00 PM**

Wisconsin Institutes of Discovery Building  
**DeLuca Forum** - 330 N Orchard St, UW-Madison

**May 6, 2019**

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