

## Breaking new ground in brain science



### CENTER FOR NEUROSCIENCE BY THE NUMBERS

- 24 Core Faculty
- 85 Affiliated Faculty
- 22 Postdoctoral Scholars
- 50 Graduate Students
- 75 Undergraduate Students
- 27 Lab Staff
- 12 Administrative Staff

### SELECT FACULTY AWARDS

- **Cameron Carter, M.D.** (pictured) Inaugural C. Bryan Cameron Presidential Chair in Neuroscience Award
- **Alex Nord, Ph.D.** Nature “Thought Leader” on Technologies to watch in 2021
- **Charan Ranganath, Ph.D.** Fellow of the Association for Psychological Science
- **Gregg Recanzone, Ph.D.** American Physiological Society Award for Distinction in Scholarship

### PRIVATE FOUNDATION SUPPORT

- James S. McDonnell Foundation
- Simons Foundation for Autism Research
- Simons Institute for the Theory of Computing
- Howard Hughes Medical Institute
- Brain & Behavior Research Foundation

Center for Neuroscience faculty advance discoveries and deepen our understanding of how the brain works to provide the foundation for new treatments and therapies for brain diseases and disorders. Select discoveries include:

- Frontal transcranial direct-current stimulation (tDCS) as a therapy for schizophrenia
- Cutting-edge methods to improve brain recordings
- A new computational model, explaining how we learn and navigate in the world, challenges a Nobel Prize winning idea
- New brain training techniques that reverse at least some forms of age-related hearing loss
- Changes at synapses during learning that explain why learning is more efficient in multiple spaced sessions
- Links between a plant-based diet and better cognition by improving executive control



53 Grants Submitted



14 New Grants



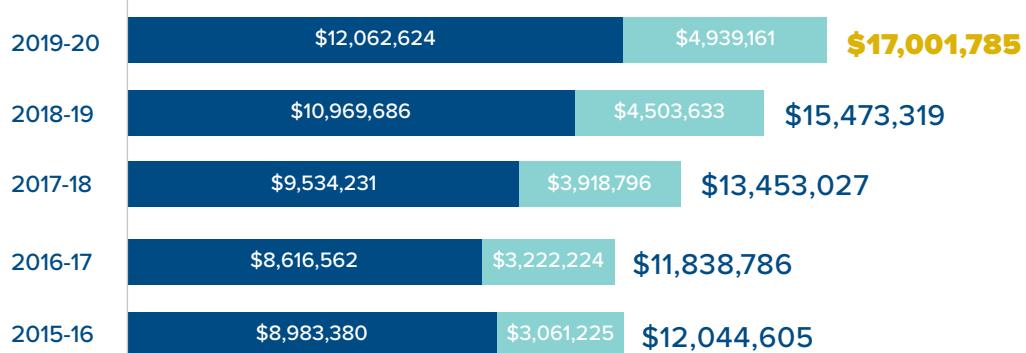
26 Grants Renewed



4 Pending Awards

### GRANT FUNDING

■ Direct Costs      ■ Indirect Costs



# Propelling next generation neuroscientists



## TRAINEE ADVANCEMENTS

- 7 New PhD's Awarded
- 8 Postdocs with New Jobs in Industry or Academia

## TRAVEL AWARDS

- **Stacey Seidl**  
Barbara Chapman Neuroscience Award
- **Ayanna Wade & Eden Barragan (pictured L-R)**  
Ling-Lie Chau Graduate Student Award for Brain Research

Our trainees learn alongside internationally recognized faculty from multiple disciplines, developing deeper inquiry and expertise and engaging in innovative educational programs and opportunities. Select highlights include:

- Student-organized 3rd Annual Seminar Outreach for Minority Advocacy (SOMA) Summit focused on how the COVID-19 crisis has affected interactions for under-represented groups and addressed civil unrest surrounding George Floyd's death and the Black Lives Matter movement
- Learning, Memory and Plasticity Training Program, one of only two in the U.S., continues to train a new generation of scientists to think across levels and scales and to work collaboratively to tackle the most pressing issues in brain health

# Increasing impact with generosity



## FY 2020 PHILANTHROPY



**\$408,634**  
Gifts from Individuals



**83**  
Donors

To learn more about or to support the Center for Neuroscience, visit [neuroscience.ucdavis.edu](http://neuroscience.ucdavis.edu) or contact Jennifer Scott at (530) 753-5304 or [jescott@ucdavis.edu](mailto:jescott@ucdavis.edu).

Generous support from alumni, faculty, staff, and friends enables us to create greater impact, seize opportunities and address immediate needs of the Center.

- Gifts to the Center for Neuroscience's General Fund and Director's Circle enabled us to respond to the immediate needs of the global pandemic, including donating PPEs from research labs to frontline health workers
- Aly Hay Endowed Chair for Advancing Gender Equity in STEM will advance gender equity, opportunity and culture change across the sciences, and enable a CNS faculty to be the inaugural chair holder
- Davida Feder Innovative Neuroscience Pilot Award will support interdisciplinary memory-related research to inform and advance treatments for dementia and Alzheimer's disease
- Haskell Robinson Family Neuroscience Research Endowment and CNS Director's Circle selected Timothy Hanks, Ph.D. to receive the 2019 Neuroscience Innovation Pilot Award in a fast-pitch competition