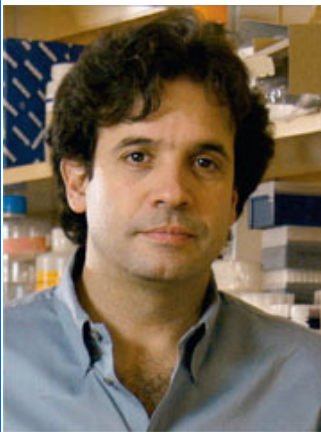


Research and Education in **Memory Impairments** and **Neurological Disorders** student society was started in 2009 to complement the collaborative nature of UCI MIND. ReMIND was created to promote education, community outreach and collaboration between people interested in neurodegenerative diseases.

**Upcoming Events:**

- Journal Club (First Friday of every month, BS3II 3120)
- Social - TBA
- Neuroscience education event in LA area schools
- Outreach event at local retirement community

Contact [reminduci@gmail.com](mailto:reminduci@gmail.com) to RSVP or for more information



**Dr. Tanzi** is the Joseph P. and Rose F. Kennedy Endowed Chair in Neurology at Harvard University. He is also the Director of the Genetics and Aging Research Unit at the Massachusetts General Hospital. Over the course of his career, Dr. Tanzi has contributed significantly to our knowledge of the genetics of neurodegenerative diseases. He was involved in locating the Huntington's disease gene and is co-discovered all three genes responsible for familial Alzheimer's disease. He continues to study the genetic mechanisms of dementia.

**Thanks to support from:**

**UCI MIND**

**Graduate Dean's office**

**School of Biological Sciences**

**School of Medicine**

**Betty's Foundation**

**UCI MIND Presents:**

**1st**



**Annual**

**Emerging Scientists  
Symposium on  
Neurological Disorders**

March 9th, 2010

Student Center: Emerald Bay



## Morning Program

- 8:00-9:00** Registration and Continental Breakfast
- 9:00-9:15** **Welcome**  
 Frank M. LaFerla, PhD - Chancellor's Professor and Director  
 Frances Leslie, PhD - Dean of Graduate Studies, Professor of Pharmacology
- 9:15-10:00** **Session 1**  
**Faculty Chair: Edwin Monuki, PhD**  
**Maya Koike**– LaFerla Lab  
*Impact of stroke on Alzheimer's disease*  
**Chris Lay**– Frostig Lab  
*Stimulus induced neurovascular plasticity protects the adult rat cortex from ischemic stroke*  
**Carrie Peltz, PhD**– Kawas Lab  
*Amnesic and non-amnesic mild cognitive impairment and cardiovascular risk factors in the 90+ study*
- 10:00-10:45** **Session 2**  
**Faculty Chair: Jorge Busciglio, PhD**  
**Emily Mitchell**– Thompson Lab  
*Soluble fibrillar structures are present in multiple Huntington's disease models*  
**Hiromi Arai**– Glabe Lab  
*Crystal structure of a conformation-dependent, amyloid-specific antibody*  
**Jacki Gire O'Rourke**– Thompson Lab  
*SUMO modification of huntingtin in Huntington's disease pathogenesis*
- 10:45-11:00** **Coffee Break**
- 11:00-12:00** **Session 3**  
**Faculty Chair: Charles Glabe, PhD**  
**Chris Sontag** – Anderson Lab  
*The effects of immunosuppressants on human neural stem cell differentiation and proliferation*  
**Tracy Cole**– Tenner Lab  
*Role of Complement in Alzheimer's disease*  
**Autumn Ivy**– Baram Lab  
*Effects of early-life stress on accelerated cognitive decline in middle-aged rats*  
**Jeanna Winchester, PhD**– Cotman Lab  
*Cardiovascular Fitness is Associated with Altered Cortical Glucose Metabolism During Working Memory in APOE4 Carriers*
- 12:00-1:00** **Lunch**  
 Emerald Bay AB

## Afternoon Program

- 1:15-2:00** **Session 4**  
**Faculty Chair: Carl Cotman, PhD**  
**Kara Neely**– LaFerla Lab  
*Presenilins are essential for proper autophagy*  
**Michael Hanna**– Busciglio Lab  
*The role of astrocytes on Down's syndrome neuronal precursor cells*  
**Pinar Coskun, MD**– Wallace Lab  
*Mitochondrial dysfunction in dementia*
- 2:00-2:45** **Session 5**  
**Faculty Chair: Tallie Z Baram, MD PhD**  
**Lei Sun**– O'Dowd Lab  
*Generalized epilepsy with febrile seizures plus model in drosophila*  
**Melissa Strong**– Steward Lab  
*Resistance to excitotoxic cell death in a mouse model of Huntington's disease*  
**Lulu Chen, PhD**– Gall Lab  
*Learning induces neurotrophin signaling at hippocampal synapses*
- 2:45-3:00** **Coffee Break**
- 3:00-3:45** **Session 6**  
**Faculty Chair: Claudia Kawas, MD**  
**Mike Yassa**– Stark Lab  
*Gateway to the hippocampus: microstructural diffusion tensor imaging reveals age-related perforant path degradation*  
**Tracy Wang**– Rugg Lab  
*Neural correlates of recollection and familiarity in young and old subjects as revealed by fMRI*  
**Jessica Wu**– Glabe Lab  
*Amyloid Beta: Fibrillar Oligomers are Toxic Species in Alzheimer's Disease*
- 3:45-4:00** Presentation of Betty's Foundation Gift Award Ceremony
- 4:00-5:00** **Keynote Address**  
**Rudolph Tanzi, Ph.D.**  
 Joseph P. and Rose F. Kennedy  
 Professor of Neurology,  
 Harvard Medical Director  
 Genes and Alzheimer's Disease