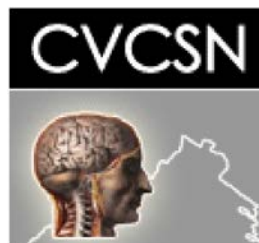


# **BRAINS IN A DISH**

**Central Virginia Chapter of the Society for Neuroscience  
2016 Annual Symposium and Poster Session**

**March 25<sup>th</sup>, 2016**

**University of Virginia  
Jordan Hall Conference Center  
1340 Jefferson Park Avenue, Charlottesville, VA**



# Brains in a Dish

Annual Symposium of the  
Central Virginia Chapter of the Society for Neuroscience  
Friday, March 25<sup>th</sup>, 2016

- 8:30 a.m.     **Registration in Jordan Hall Conference Center, 1<sup>st</sup> floor**  
Poster set up in Jordan Hall room 2ABC (second floor)  
Breakfast in JHCC first floor lobby area
- 9:15           **Symposium Opening Remarks**  
George S. Bloom, PhD, CVCSN President  
David S. Wilkes, MD, Dean of the UVA School of Medicine
- 9:30           ***Engineering Brain-Like Tissues***  
**David Kaplan, PhD**  
Professor of Biomedical Engineering  
Tufts University, Medford MA
- 10:30          ***A New Dimension in Neurodegeneration: 3D Models of ALS-FTD***  
**Erin Pennock Foff, MD, PhD**  
Assistant Professor of Neurology  
University of Virginia, School of Medicine, Charlottesville VA
- 11:30          Lunch Break in Jordan Hall: G1&G2 and Meeting Room 1  
Student Lunch with Speakers
- 12:30 p.m.    **CVCSN Symposium Poster Session – JHCC room 2ABC**
- 2:15           **Data Blitz Oral Presentations**
- 3:00           **Intermission - Coffee and Cookies**
- 3:30           ***Recapitulating Alzheimer’s Pathologies in a 3D Human Neural Cell Culture Model***  
**Doo Yeon Kim, PhD**  
Assistant Professor of Neurology and Neuroscience  
Harvard Medical School and Massachusetts General Hospital, Boston MA
- 4:30           ***Interrogating Collateral Vessel Development and Remodeling***  
**Michelle H. Theus, PhD**  
Assistant Professor of Molecular and Cellular Neurobiology  
VA-MD College of Veterinary Medicine, Virginia Tech, Blacksburg VA
- 5:30           **Symposium Awards & Closing Remarks**  
George S. Bloom, PhD, CVCSN President

## **Data Blitz Oral Presentations**

Annual Symposium of the  
Central Virginia Chapter of the Society for Neuroscience  
Friday, March 25<sup>th</sup>, 2016  
2:15 to 3:00 pm

### ***Identification of FGF15 as a target-derived factor that influences retinocollicular targeting***

John CHEN, PhD  
Virginia Tech Carilion Research Institute

### ***Interactions of interstitial flow with the glioma microenvironment***

Robert Chase CORNELISON, PhD  
Department of Biomedical Engineering, University of Virginia

### ***Creating a 3-Dimensional Neural Cell Culture Model of C9ORF72 Frontotemporal Degeneration-Amyotrophic Lateral Sclerosis (FTD-ALS)***

Veronica PORTERFIELD, PhD  
Department of Neurology, University of Virginia

### ***NALCN is a “leak” sodium channel that regulates excitability of brainstem chemosensory neurons and breathing***

Yingtang SHI, MD  
Department of Pharmacology, University of Virginia

### ***Aging and Disease Alter the RNA Induced Silencing Complex at the Neuromuscular Junction***

Thomas Taetzsch, PhD  
Virginia Tech Carilion Research Institute