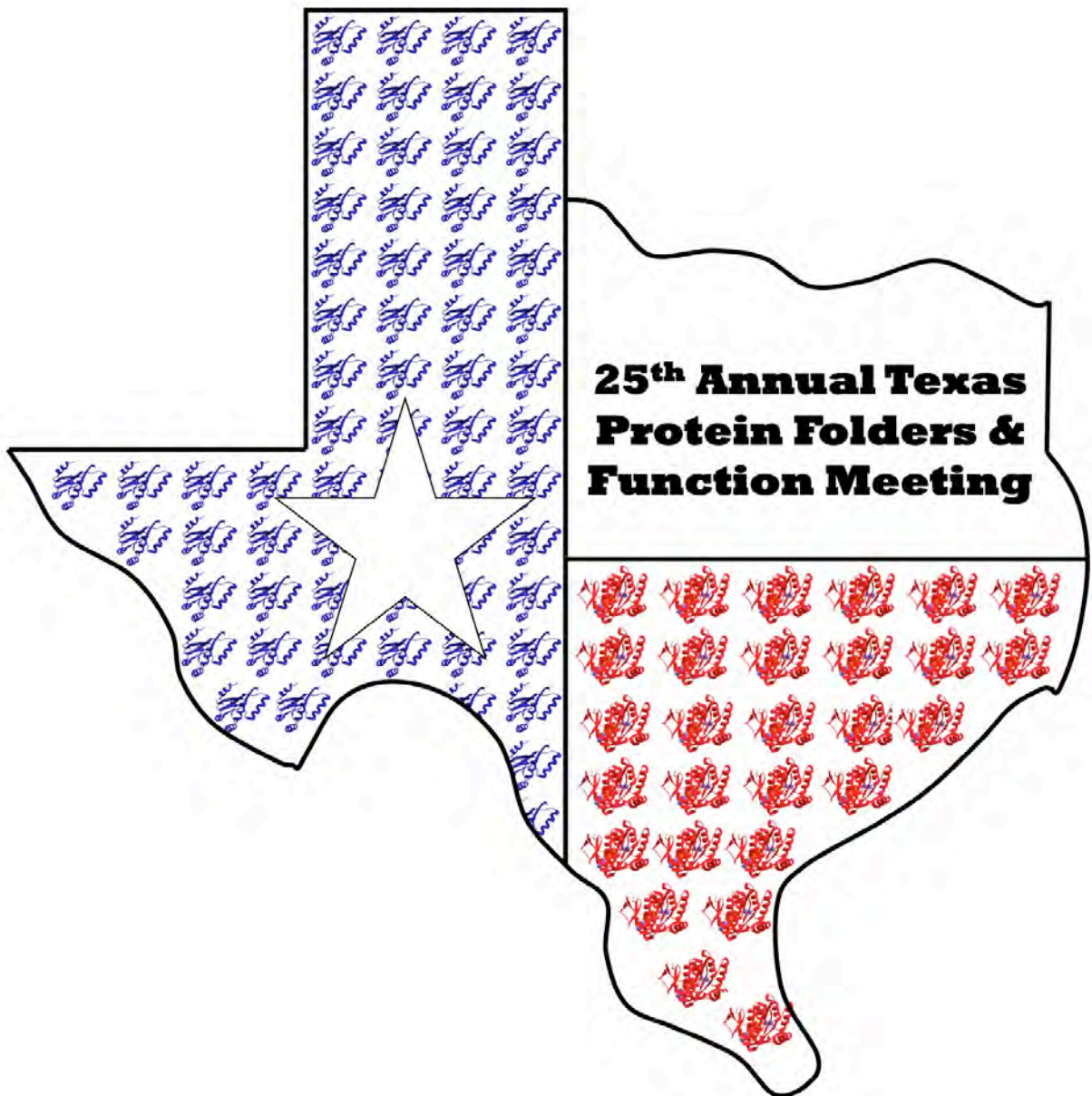


# 2017 TEXAS PROTEIN FOLDERS & FUNCTION MEETING



**April 7-9, 2017  
The Retreat at Artesian Lakes  
Cleveland, TX**

# 2017 TEXAS PROTEIN FOLDERS & FUNCTION MEETING

## PROGRAM

### Friday April 7, 2017

- 4:00 PM Arrival and Registration
- 6:00 PM Dinner
- 7:00 PM **Introduction**
- 7:10 PM Speaker 1: **Francis T.F. Tsai (BCM)** “**Structural Basis of Substrate Interaction by the Hsp104 Protein Disaggregase**”
- 7:45 PM Speaker 2: **Margaret Cheung (UH)** “**Molecular Underpinning of Postsynaptic Calmodulin-dependent Calcium Signaling**”
- 8:20 PM Keynote speaker 1: **Daniela Nicastro (UTSW)** “**Probing the Molecular Organization of Cells and Organelles using Cryo-Electron Microscopy**”
- 9:20 PM Social and Discussion

### Saturday April 8, 2017

- 8:00 AM Breakfast
- 9:00 AM Speaker 3: **Jane Tao (Rice)** “**Structure of a Pentameric Virion-associated Fiber with a Potential Role in Orsay Virus Entry to Host Cells**”
- 9:35 AM Short talks (Trainee 1-3; 20 minutes each)
- Short talk 1: **Andrew Roth (TAMU)** “**Investigating How the Small Heat Shock Proteins Inhibit Protein Aggregate Growth and Assist in Aggregate Disassembly**”
  - Short talk 2: **Jonathan Gallion (Baylor COM)** “**Select Microswitch Residues in Class A GPCRs are Preferentially Targeted by Cancer Mutations**”

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- Short talk 3: **Matthew Dominguez** (Eastern NM Univ) “**Extension Protein Engineering (EPE), a Technique for the Engineering of Novel Proteins**”
- 10:35 AM Group photo then Coffee break
- 11:00 AM Speaker 4: **Mark Pellegrino** (UT Arlington) “**Antagonism of the Mitochondrial Unfolded Protein Response During Pathogen Infection**”
- 11:35 AM Speaker 5: **Brian Noland** (Singulex) “**Next Generation Immunoassay Diagnostics via Singulex Single Molecule Counting Technology**”
- 12:10 PM Lunch
- 4:30 PM Posters and Social
- 6:00 PM Dinner
- 7:10 PM Speaker 6: **Subhrangsu S. Mandal** (UT Arlington) “**MLL Histone Methylases Coordinate with Hypoxia Inducible Factors and Control Hypoxia Regulated Genes, Noncoding RNAs, and Angiogenesis and Tumor Growth**”
- 7:45 PM Keynote speaker 2: **Dave Thirumalai** (UT Austin) “**How Do Divalent Cations Control the Folding of Group I Introns?**”
- 8:45 PM Discussion and Social

## Sunday April 9, 2017

- 8:00 AM Breakfast
- 9:20 AM Speaker 7: **Jennifer Maynard** (UT Austin) “**Engineering the Adenylate Cyclase Toxin for Use as a Pertussis Vaccine Antigen**”
- 9:55 AM Short talks (Trainee 4-5; 20 minutes each)
- Short talk 4: **Robert Grinshpon** (UT Arlington) “**Reconstruction and Resurrection of Caspase-6 Ancestral States**”

## 2017 TEXAS PROTEIN FOLDERS & FUNCTION MEETING

- Short talk 5: **Ashley I. Teufel** (UT Austin) “**Protein Flexibility and the Irreversibly of Evolution**”

10:35 AM Coffee break

10:55 AM Speaker 8: **Zak Campbell** (UT Dallas) “**Evolving Views on the Role of Specificity in Post-transcriptional Gene Control**”

11:30 AM Speaker 9: **Phanourios Tamamis** (TAMU) “**Computational Studies on Inhibiting or Exploiting Biomolecular Self-Assembly**”

12:05 PM Lunch and Departure

# 2017 TEXAS PROTEIN FOLDERS & FUNCTION MEETING

## **Program Chairs for 2017**

Clay Clark (chair) – Joff Silberg (vice-chair)

## **TPF&F Website and Registration**

Jim Hu

## **Organizing Committee**

Jim Hu – Sarah Bondos – Clay Clark – Joff Silberg

## ***Special Thanks to the Support Help***

Tillie Rausch – Jenny Ponzio – Chantel Parenzin

## **Future Meetings:**

April 2018, *exact dates to be determined*

The latest information about past, present, and future meetings can always be found on our web page (unless our computer gets hacked into again):

<http://txfolders.tamu.edu>

## 2017 TEXAS PROTEIN FOLDERS & FUNCTION MEETING

***Many thanks to the support of those who have sponsored this meeting:***



**The Department of  
Biochemistry and  
Biophysics**

