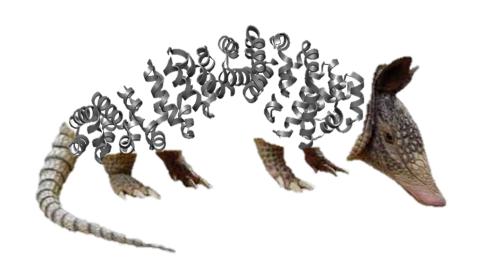
# 23rd Annual Texas Protein Folders and Function Meeting



April 10-12, 2015
The Retreat at Artesian Lakes
Cleveland, TX

# — Program —

#### Friday April 10, 2015

4:00 PM Arrival and Registration

6:00 PM Dinner

7:00 PM Introduction

7:10 PM Speaker 1: James Hebda (Austin College) "Stability and Dynamics of Alpha Crystallin Oligomers Probed by FRET and FCS Reveal Persistent Oligomerization under Dilute Conditions"

7:45 PM Speaker 2: **Jessie Zhang** (UT Austin) "Nature's Imitation Game: Deciphering the Code of Eukaryotic Transcription"

8:20 PM Keynote speaker: **Michael Rosen** (UTSW & HHMI) "**Phase Separation of Multi-Valent Signaling Proteins**"

9:20 PM Social and Discussion

## Saturday April 11, 2015

8:00 AM Breakfast

9:00 AM Introduction

9:10 AM Speaker 3: **Montgomery Pettitt** (UTMB) "**Protein aggregation, collapse and disorder: Model systems**"

9:45 AM Speaker 4: Elizabeth Goldsmith (UTSW) "WNK kinase autophosphorylation is controlled by chloride and osmotic pressure"

10:20 AM Speaker 5: Chien-Hung Yu (UTSW) "A code within the code: codon usage affects translational dynamics to regulate protein folding"

10:45 AM Coffee Break

11:00 AM Selected Short talks

- Short talk 1: Jing He (Tulane University) "Discovery and Characterization of Novel Peptides as Viral Entry Inhibitors in Biomembranes"
- Short talk 2: Yuan Yang (TAMU) "Dual role of the intrinsically disordered V5 domain in intra- and inter-molecular interactions of PKCα"
- Short talk 3: Jeremy Weaver (TAMU) "GroEL: The Ultimate Poker Player"
- Short talk 4: Robert C. Harris (UTMB) "Some Problems with the Assumptions Underlying Binding Free Energies Obtained from Implicit Solvent Methods"

12:20 PM Lunch

3:00 PM Posters and Social

6:00 PM Dinner

7:10 PM Keynote Speaker: **Angel E. Garcia** (Rensselaer Polytechnic Institute) "**Reversible folding/unfolding of RNA tetraloops**"

8:10 PM Social and Discussion

# Sunday April 12, 2015

8:00 AM Breakfast

9:00 AM Introduction

9:10 AM Speaker 6: Bryan Sutton (TTUHSC) "A Field Guide to the C2 Domains of the Ferlin Proteins"

9:45 AM Speaker 7: Vishal M. Gohil (TAMU) "Discovery and characterization of novel proteins in mitochondrial respiratory chain biogenesis"

10:20 AM Speaker 8: Rakez Kayed (UTMB) "Tau aggregation and the formation of neurotoxic oligomeric structures"

10:45 AM Coffee Break

11:00 AM Speaker 9: Ricardo Bernal (UTEP) "Ring separation highlights the protein folding mechanism used by the phage EL encoded chaperonin"

11:35 AM Speaker 10: **Jungsoon Lee** (Baylor College of Medicine) **" A Substrate Guided Mechanism that Facilitates Protein Disaggregation by the Hsp104 ATPase"** 

12:10 PM Lunch and Departure

# **Program Chairs for 2015**

Kay Choi (chair) – Steve Lockless (vice-chair)

# **TPF&F Website and Registration**

Jim Hu

# **Organizing Committee for 2015**

Jim Hu – Sarah Bondos – Kay Choi – Steve Lockless

## Special Thanks to the Support Help

Tillie Rausch – Jenny Ponzio – Chantel Parenzin

# **Future Meetings:**

**TBD** 

The cover this year depicts the *Drosophila melanogaster* protein Armadillo.

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

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



The Department of **Biochemistry and Biophysics** 



The Sealy Center for













