

# **3<sup>rd</sup> NCBI CBB Scientific Retreat – October 22<sup>nd</sup> 2014**

38A Lister Hill Auditorium

Organizers: John Spouge, Rezarta Islamaj Dogan

## **Session 1: 10:00 - 11:30am**

### **Database Development and Annotation**

**Chairs: Asta Gindulyte and Volker Haehnke**

Lewis Geer	Ngram querybase: extending the relational model to encompass scientific data retrieval
Gang Fu	PubChemRDF: Ontology-based data integration
Paul Thiessen	PUG REST - Design and Implementation of a REST-Style Web Service

## **Session 2: 1:00 - 2:30pm**

### **Protein Function and Evolution**

**Chairs: Narmada Thanki and Noreen Gonzales**

Lakshminarayan Iyer	Origins of the vertebrate adaptive immune system
Myra Derbyshire	Improving the consistency of domain annotation
Michael Galperin	Salt of the earth: a story of the Na <sup>+</sup> /K <sup>+</sup> gradient

## **Poster Session and Coffee Break 2:30 - 4:00pm**

## **Session 3: 4:00 - 5:30pm**

### **Systems Biology of Cancer and Disease**

**Chairs: Parsa Hosseini and Leonardo Mariño-Ramírez**

Minghui Li	Deciphering the effects of disease mutations on protein stability and binding
Yupeng Wang	Genome-wide identification of latent human liver enhancers
Jan Hoinka	Novel computational analysis of the mutational landscape of HT-SELEX guides aptamer discovery