RCSB Protein Data Bank  
San Diego Supercomputer Center  
UC San Diego  

**Scalable Visualization and Mining of the PDB**

**August 30, 2016 • 5:30 pm**  
Dart NeuroScience LLC, 12278 Scripps Summit Drive  
San Diego, CA 92131

**Agenda**

6:00 pm
- Welcome to San Diego CADD meeting – Brock Luty & Peter Rose  
- RCSB PDB at UCSD – Peter Rose  
- Accessing the PDB made easy: The Macromolecular Transmission Format (MMTF) – Yana Valasatava  
- Scalable 3D web visualization using NGL Viewer and MMTF – Alexander Rose

6:30 pm
- Break

6:45 pm
- Introduction to distributed parallel computing with Apache Spark – Peter Rose  
- Scalable mining of the PDB with Spark and MMTF – Anthony Bradley  
- Spark Dataframes: Linking genomic information to 3D structure – Andreas Prlić

7:15 pm
- Discussion about future meeting topics  
- Networking