



http://www.ccpsas.org

STRUCTURE

• The Executive team is responsible for co-ordinating activities, tracking overall progress, organizing meetings and generally trying to make sure nothing falls through the cracks.

• The core software team team is responsible for developing and deploying the core plugin framework, web interface, and for porting existing code bases into the framework. Chair Joseph Curtis. • The Chemical physics team is responsible for developing new algorithms

and new plugins. Chair: Jianhan Chen

 Testing team is responsible for testing the software with real world applications, feeding back new ideas, usability and bug reports in a continuous cycle. Experience is also used to commence documentation

 Dissemination is responsible for promotion of the project and its activities, education of the community, and engagement with other projects and other facilities. Chair: Steve King.

STATUS

• Web presence established with ccpsas domain registered

• Joined CCP steering panel

• Several papers published or in press more to come.

• Talks: NIBB, ACA(2), ACNS, XSEDE

• Started engaging other facilities

• Working groups created team documents describing scope, vision, and milestone for each area.

Fortnightly Executive team GotoMeetings

• First full project GotoWebinar meeting in December (plan monthly)

• GENAPP framework prototype created and tested with SASSIE modules • Web prototype implemented: roll out March 2014 to begin alpha testing w/ grant members

• Preliminary design HPC (core & gateway) [access & usage]

• Publish APIs for web framework and SASMOL [grow developer

• Glycoprotein Builder Prototype

• CHARMM interface implemented

Contrast Calculator released and published

• SLD-MOL released and submitted[reflectivity of ensembles on/in

SASCALC prototype

Further studies defined the orientation of the Gag matrix domain on membrane surfaces and that nucleic acid causes compact Gag to extend on the membrane surface. Thus providing step-wise insight into the assembly of

J. Mol. Biol. **365**, 812 (2007), Biophys. J. **99** (2010), J. Mol. Biol. 406 (2011), Comp. Phys. Comm. 183 , 382

• Stephen Perkins (PI)

- University College London • David Barlow
- Kings College London
- Karen Edler University of Bath
- Richard Heenan & Steve King **ISIS** Pulsed Neutron & Muon Source
- David Scott Nottingham University
- Nick Terrill Diamond Light Source
- + other collaborators



Collaborative Computational Project for advanced analyses of structural data in chemical biology and soft condensed matter

