

John P. Rose

Associate Professor, Department of Biochemistry and Molecular Biology, University of Georgia, Athens, GA. Assistant Director, Southeast Regional Collaborative Access Team, Advanced Photon Source, Argonne National Laboratory.

Education: Ph.D. in Physical Chemistry (1980), Rutgers University, Newark, NJ (Prof. Roger A. Lalancette mentor, focus small molecule crystallography). B.A. in Chemistry, Benedictine College, Atchison KS (1974).

Professional activities: Member American Crystallographic Association, Local organization ACA Annual Meeting, Pittsburgh (1992), Poster Chairman ACA Annual Meeting, Pittsburgh (1992), Tutor ACA Summer Course for Crystallographers (1992-2001), Lecturer ACA Summer Course for Crystallographers (1997-2001), Consultant Protein Data Bank (1989-1999), Member APS Users Organization Steering Committee (2001-2004), Director Bioinformatics Core, Southeast Collaborative for Structural Genomics (2000-2007), Served as a member (ad-hoc) of over 15 NIH review panels (2000-present). Chairman APS MC Proposal Review Panel (2006-), Patterson Award Symposium Co-organizer, ACA Annual Meeting, Knoxville (2008), President Pittsburgh Diffraction Society (2010), Member, ACA Standing Committee on Data Standards and Computing (2010-2012), ACA Session Chair/Co-Chair, Advanced Hardware and Applications (2012), Multi-crystal and Micro-crystal Data Collection (2013).

Research interests: Structural Biology; Mitochondrial inter membrane transport pathways; structure assisted vaccine development; Methods development; Soft X-ray data collection and phasing; Sulfur-SAS structure determination; High throughput methods for structural genomics; Data validation, archival and visualization; remote systems for synchrotron data collection and data collection automation.

Statement: During my time in Pittsburgh (1980-1995) I was very involved in the Pittsburgh Diffraction Society (PDS). I was involved in the discussions resulting in a new set of PSD by-laws, chaired several Pittsburgh Diffraction Conference (PDC) sessions and served as PDS treasurer. Once I moved to Georgia, I co-hosted the PDC (1998) and hosted the PDC (2009). Thus, the PDS and the PDC have a special place in my heart.

As a small molecule crystallographer who transitioned to larger molecules I have always thought that the PDC was an excellent platform for students and young scientists to meet and interact with the movers and shakers in the crystallography community. I also believe that the PDC provides a unique opportunity for researchers at the host institution and surrounding area to showcase their research. I have very fond memories of my years in Pittsburgh and my colleagues in the Department of Crystallography. If elected I will strive to continue the tradition and excellence of the PDC and work to maintain a sound financial foundation for the PDS.