

MURPA Seminar: Friday 10 August 2012, 9am

New modes of Scholarly Communication in the Digital Age

Speaker: Professor Philip E. Bourne **Venue:** Seminar Room 135, Building 26, Clayton Campus, Monash University

Abstract:

The full potential of the Internet in maximizing the dissemination and comprehension of scholarship has yet to be realized, but it is coming disruptive in the same way as it has to newspapers, books and music. We will take a look at the drivers of change, the tools that are emerging and what it might mean to how we communicate and learn scholarship. If you can't wait for the seminar some background reading can be found at:

http://www.force11.org/white_paper

Biography:

Philip E. Bourne PhD is a Professor in the Department of Pharmacology and Skaggs School of Pharmacy and Pharmaceutical Sciences at the University of California San Diego, Associate Director of the RCSB Protein Data Bank and an Adjunct Professor at the Burnham Institute. He is a Past President of the International Society for Computational Biology. He is an elected fellow of the American Association for the Advancement of Science (AAAS), the International Society for Computational Biology (ISCB) and the American Medical Informatics Association (AMIA). He is the co-founder and inaugural and current Editor-in-Chief of the open access journal PLoS Computational Biology and a long standing member of the National Science Foundation, National Institutes of Health and Genome Canada panels responsible for reviewing proposals relating to computational biology. professional interests focus on relevant biological and educational outcomes derived from computation and scholarly communication. This implies algorithms, text mining, machine learning, metalanguages, biological databases, and visualization applied to problems in drug discovery, evolution, cell signaling, apoptosis, systems biology and scientific dissemination. He has published over 200 papers and 5 books, one of which sold over 150,000 copies. He has co-founded 4 companies: ViSoft Inc., Protein Vision Inc., a company distributing independent films for free and most recently SciVee.

Bourne is committed to furthering the free dissemination of science through new models of publishing and better integration and subsequent dissemination of data and results which as far as possible should be freely available to all.