

AeHRC, CSIRO & IEEE Queensland EMBS Chapter Presents - An Invited Talk

DATE: Monday, 23rd January 2012

TIME: 4:00pm – 5:00 pm

VENUE: Auditorium, University of Queensland Centre for Clinical Research (UQCCR)
Building 71/918, Royal Brisbane & Women's Hospital Campus
Herston, QLD, 4029

Application of Supercomputing for Translational Research in Life Science and Medicine

By

Dr. Matthias Reumann

Dr. Matthias Reumann is Research Staff Member at the IBM Research Collaboratory for Life Sciences – Melbourne.

He studied Electronics at the University of Southampton, UK, University of Karlsruhe (TH), Germany and ESIEE, France and holds a PhD in Electronics and Information Technology from the University of Karlsruhe (TH) (2007) for which he received both clinical and biomedical engineering research awards. Most recently, he received the IBM Eminence & Excellence Award 2011 and a 2011 IBM Accomplishment in Research Award for his contribution to applying supercomputing to cardiac modelling and genomics research. He holds an honorary Senior Fellow position in the Department for Computer Science and Software Engineering at the University of Melbourne.

Dr. Reumann joined IBM in 2007 and worked in the Computational Biology Center at **the IBM TJ Watson Research Center in New York, USA**, where he implemented computer models of the electrophysiology of the heart for the IBM Blue Gene supercomputer achieving previously unsurpassed scalability.

Since June 2010, he has moved to Melbourne, Australia, to apply his knowledge in supercomputing to the field of life sciences. He focuses on translational research in life science and medicine applying his expertise in supercomputing to push the boundaries of current modelling and analytics approaches.

Afternoon Tea Provided. RSVP to DR. AMOL WAGHOLIKAR by 1 pm Friday 20 January 2012 via email: Amol.Waghlikar@csiro.au