

Announcing a jointly organized Parasite genomics workshop to be held at Walter & Eliza Hall Institute of Medical Research



Melbourne, Australia

February 15-19, 2016

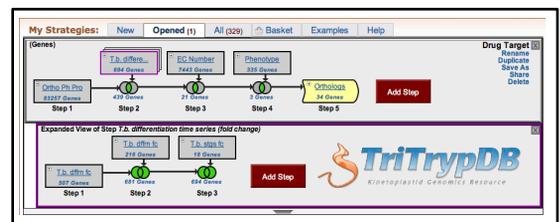
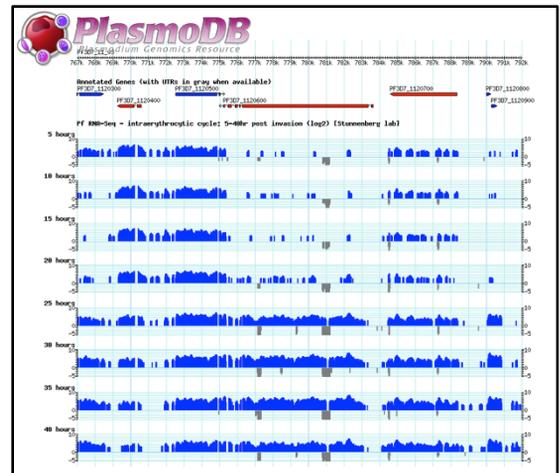
Application deadline: January 15, 2016

<http://goo.gl/forms/2wkqtdnz4a>



This workshop will focus on providing attendees with thorough hands-on training in genomic scale data analysis based on parasite genomic resources. Attendees should expect to become adept at using databases such as PlasmoDB, ToxoDB and TriTrypDB to support their basic research. Topics to be covered include:

- Genome browsing and comparative genomics
- Formulating complex biological queries in computationally accessible form
- Integrating functional genomics data (microarrays, proteomics, etc) with genome sequence data
- Theoretical aspects of genome re-sequencing
- Querying genetic diversity on a genome-wide scale
- Metabolic pathways and pathway analysis
- Working with next-generation sequence data (mapping, variant calling, etc)



Speakers:



Robin Gasser, Ph. D.
Professor
The University
of Melbourne



Alicia Oshlack, Ph. D.
Head of Bioinformatics
Murdoch Childrens
Research Institute



Kaylene Simpson, Ph.D.
Associate Professor
Peter MacCallum
Cancer Institute



David Roos, Ph. D.
Professor
The University
of Pennsylvania