Genome Sciences Seminar

Wednesday, 4.19.17 | 3:30 | Foege Auditorium

Associate Professor Tony Papenfuss, PhD

Head, Centre for Computational Biology, The Walter and Eliza Hall Institute of Medical Research
Head, Computational Cancer Biology Program, Peter MacCallum Cancer Centre
President, Australian Bioinformatics and Computational Biology Society
https://www.wehi.edu.au/people/tony-papenfuss

"Dissecting the evolution of cancer"

Papenfuss Lab:

We develop novel bioinformatics methods to analyse and make sense of cancer '-omics' data. A major focus of our work is cancer evolution and intra-tumoral heterogeneity, particularly in melanoma. One of our aims is to develop practical measures of tumour heterogeneity and test if these are predictive of patient outcome.

We are also interested in complex genomic rearrangements and the mechanisms underlying extreme amplification events in genomes. We have developed novel methods to identify these rearrangements and use mathematical models to make sense of them. With this approach we recently discovered the dynamic mechanisms underlying the formation of giant cancer-associated neochromosomes.

Refreshments served outside the Auditorium at 3:20pm
Questions? Contact Brian Giebel at bgiebel@uw.edu or visit the Seminar website at http://www.gs.washington.edu/news/seminars.htm