



Foundations for Genomics

From standard molecular technology to ‘omics’ application in 3 days

- Where:** Centre for Proteomic and Genomic Research
- When:** May, July, Sep, Nov, Jan, March
- Contact:** info@cpgr.org.za
- Cost:** R5000/participant
- Attendance:** up to 6 participants per course

Workshop Program

DAY 1

- Project Design and Ethics considerations
- Effective sample preparation & troubleshooting (Including practical lab workshop)
- The importance of quality management to generate reliable “omics” results

DAY 2

- An introduction* to:
 - 1) Real time PCR (including practical lab workshop)
 - 2) Array Technologies – theory and applications
 - 3) Next Generation Sequencing

*Covering assay principles, applications, data QC analysis and troubleshooting.

DAY 3

- Bioinformatics - an introduction to data analysis