

# Precision Genome Engineering in Animals and Agriculture

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16 - 17 October 2014  
Melbourne, Australia

## Keynote Speakers

**Dr Ophir Shalem** (Broad Institute, Zhang Lab, USA)

Computational CRISPR design and application in variant to phenotype mapping

**Dr Florian Heigwer** (German Cancer Research Center, Germany)

Sequence Analysis for iRNA and TALEN design

**Dr Leslie Mitchell** (NYU Langone Medical Center, Boeke Lab, USA)

Genome engineering and synthetic biology applications

**Prof Paul Thomas** (School of Molecular & Biomedical Science,  
University of Adelaide, Australia)

Rapid generation of mutant mice using genome editing

**Dr Scott Fahrenkrug** (University of Minnesota /  
Recombinetics)

TALENs in livestock

**Prof Peter Koopman** (Institute for Molecular  
Bioscience, Australia)

Engineering human mutations for disease models in mice

**A/Prof Pilar Blancafort** (The Harry Perkins  
Institute of Medical Research, Australia)

Epigenetic tailoring of the breast cancer genome

**Prof Alister Ward** (Deakin University Australia)

CRISPR and TALEN in zebra fish

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