

PacBio Research Day



Location: The University of Queensland, Sir Llew Edwards Building,
Room 14-116

Thursday 23rd of November 2017

Time: 10:00am - 4:00pm

Insights into the latest PacBio achievements from the PacBio Chief Scientific Officer and a showcase of research from UQ and other scientists using SMRT sequencing to further our knowledge in clinical, medical, plant, animal and microbial genomics.

Program:

10:00am – 10:15am Dave Burt Introduction and Welcome

SMRT Sequencing for Clinical Research:

10:15am – 11:15am Jonas Korlach
Chief Scientific Officer, Pacific Biosciences New directions of clinical research enabled through long-read DNA sequencing.

11:15am – 12:00pm Stuart Scott
Division Head - Pharmacogenomics, Sema 4 & Associate Professor, Icahn School of Medicine at Mount Sinai SMRT Sequencing Applications for Epigenomics, Pharmacogenomics, and Cytogenomics

Lunch: 12:00pm – 12:30pm

SMRT Sequencing for Plant and Animal Genomes:

12:30pm – 1:00pm Stephen Moore
Director, Centre for Animal Science
Queensland Alliance for Agriculture and Food Innovation Genomic Characterization of Australian Brahman Cattle: Balancing tropical adaptation and productivity

1:00pm – 1:45pm Robert Henry
Professor of Innovation in Agriculture and Director of Queensland Alliance for Agriculture & Food Innovation Plant genomes based on long reads

SMRT Sequencing for Plant and Animal Transcriptomes:

1:45pm – 2:30pm Dave Burt
Director, UQ Genomics
Office of the Deputy Vice-Chancellor (Research) Characterization of the 'nearly complete' transcriptome of the chicken and other vertebrate species defining all genes, all transcripts from start to end

2:30pm – 3:15pm Agnelo Furtado
Queensland Alliance for Agriculture & Food Innovation Analysis of long transcripts in polyploidy plant genomes.

SMRT Sequencing for Microbiology:

3:15pm – 4:00pm TBC TBC

For more information about the workshop please contact:

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To register for the workshop follow this link: <https://mscience.typeform.com/to/QdY4kL>