

Geoffrey Thomson

POSTDOCTORAL ASSOCIATE · PLANT MOLECULAR BIOLOGY

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“Progress in science depends on new techniques, new discoveries and new ideas, probably in that order. - Sydney Brenner”

Education

PhD in Biology

THE UNIVERSITY OF AUCKLAND

- Mutant and transcriptomic analysis of candidate photoperiodic flowering pathway genes in *Medicago truncatula*

Auckland, New Zealand

2015 - 2019

BSc (Hons) in Biology

THE UNIVERSITY OF AUCKLAND

Auckland, New Zealand

2009 - 2013

BA in English

THE UNIVERSITY OF AUCKLAND

Auckland, New Zealand

2009 - 2013

Skills

Molecular Biology PCR, RT-qPCR, Golden Gate Cloning, Y2H, Plant transformation

Bioinformatics RNA-Seq

Programming R, Python, UNIX, LaTeX

Data Science Data wrangling, Visualisation, Multivariate statistics

Honors & Awards

2018 **Runner-up - Student Presentations**, Queenstown Research Week, Plant Satellite

Queenstown, NZ

2017 **Best Student Presentation**, Plant Science Central Conference

Palmeston North,
NZ

Teaching

Intermediate R: Data Manipulation and Visualisation

The University of Auckland

WINTER BOOTCAMP 2017

July 2017

- This three-hour workshop to post-graduate students introduced the ‘tidyverse’ approach to data science. Targeting individuals who have encountered R but do not know how to take the next step, this workshop equipped participants with the skills to easily ask questions of their data.

Tips and Tricks: Academic Documents with LaTeX

The University of Auckland

RESBAZ AND WINTER BOOTCAMP 2017

Feb and July 2017

- This course formed a third of a two-hour workshop introducing post-graduate participants to the functionality of LaTeX. I discuss the benefits of using LaTeX for large documents and strategies for approaching such projects. Chiefly it consists of useful functions in producing academic documents.

Publications

The transcriptomic response to a short day to long day shift in leaves of the reference legume *Medicago truncatula* (2019)

The Plant Journal 86: 145-160

GEOFFREY THOMSON, JAMES TAYLOR, JOANNA PUTTERILL

DOI:10.1111/tpj.13156

Overexpression of *Medicago MtCDFd1_1* causes delayed flowering in *Medicago* via repression of *MtFTa1* but not *MtCO*-like genes (2019)

Frontiers in Plant Science 10:1148

LULU ZHANG, ANDREW JIANG, GEOFFREY THOMSON, MEGAN KERR-PHILLIPS, CHAU PHAN, THORBEN KRUEGER, MAUREN JAUDAL, JIANGQI WEN, KIRANKUMAR S MYSORE, JOANNA PUTTERILL

DOI:10.3389/fpls.2019.01148

Forward and reverse screens to identify genes that control vernalization and flowering time in *Medicago truncatula* (2019)

MAUREN JAUDAL, [GEOFFREY THOMSON](#), LULU ZHANG, CHONG CHE, JIANGQI WEN, KIRANKUMAR S. MYSORE, MILLION TADEGE,

JOANNA PUTTERILL

John Wiley & Sons, Inc.

*The model legume *Medicago truncatula**; 189-196

DOI:10.1002/9781119409144.ch23

***MtVRN2* is a Polycomb *VRN2*-like gene which represses the transition to flowering in the model legume *Medicago truncatula* (2016)**

MAUREN JAUDAL, LULU ZHANG, CHONG CHE, DANIEL G HURLEY, [GEOFFREY THOMSON](#), JIANGQI WEN, KIRANKUMAR S MYSORE,

JOANNA PUTTERILL

PeerJ 7: e6626

DOI: 10.7717/peerj.6626

Positive selection in glycolysis among Australasian stick insects (2013)

LUKE T DUNNING, ALICE B DENNIS, [GEOFFREY THOMSON](#), BRENT J SINCLAIR, RICHARD D NEWCOMB, THOMAS R BUCKLEY

BMC Evolutionary Biology 13:215

DOI: 10.1186/1471-2148-13-215