

# KEVIN JOHN DUDLEY

## **PUBLICATIONS**

Philips JG, Dudley KJ, Waterhouse PM, Hellens RP. “The Rapid Methylation of T-DNAs Upon Agrobacterium Inoculation in Plant Leaves.” *Front Plant Sci.* 2019 Mar 15;10:312. doi: 10.3389/fpls.2019.00312.

Nagalingam K, Lorenc MT, Manoli S, Cameron SL, Clarke AR, Dudley KJ. “Chromatin immunoprecipitation (ChIP) method for non-model fruit flies (Diptera: Tephritidae) and evidence of histone modifications.” *PLoS One.* 2018 Mar 15;13(3):e0194420. doi: 10.1371/journal.pone.0194420.

Kheder MH, Bailey SR, Dudley KJ, Sillence MN, de Laat MA. “Equine glucagon-like peptide-1 receptor physiology.” *PeerJ.* 2018 Jan 29;6:e4316. doi: 10.7717/peerj.4316.

Rotllant G, Nguyen TV, Sbragaglia V, Rahi L, Dudley KJ, Hurwood D, Ventura T, Company JB, Chand V, Aguzzi J, Mather PB. “Sex and tissue specific gene expression patterns identified following de novo transcriptomic analysis of the Norway lobster, *Nephrops norvegicus*.” *BMC Genomics.* 2017 Aug 16;18(1):622. doi: 10.1186/s12864-017-3981-2.

Philips JG, Naim F, Lorenc MT, Dudley KJ, Hellens RP, Waterhouse PM. “The widely used *Nicotiana benthamiana* 16c line has an unusual T-DNA integration pattern including a transposon sequence.” *PLoS One.* 2017 Feb 23;12(2):e0171311. doi: 10.1371/journal.pone.0171311.

## **PHD COMPLETIONS**

“Functional Characterisation of DNA Methylation in the Pest Species *Helicoverpa armigera*.” Jack Royle (2020).

“Epigenetic Fate of T-DNAs During the Early Stages of Agrobacterium Infection.” Joshua Philips (2019).

## **CURRENT SUPERVISIONS**

“Biodegradation of Polyethylene-based Plastics Using Thermophilic Anoxybacillus species from the Australian Great Artesian Basin.” PhD, Principal Supervisor.

“Biodegradation of plastics by two thermophiles *Meiothermus ruber*, and *Bacillus* sp. from the Australian Great Artesian Basin (GAB).” PhD, Principal Supervisor.

“The Organisation and Epigenetic Landscape of the *Nicotiana benthamiana* Genome.” PhD, Associate Supervisor.

“Understanding the role of intragenic DNA methylation via multi-omics data integration.” PhD, Associate Supervisor.

“Microbial colonisation of low-quality forage in the bovine rumen.” PhD, Associate Supervisor.

### ***CURRENT GRANTS***

National Tree Genomics program (HIA) - Genotype Prediction. Horticulture Innovation Australia Ltd (HIA). 2018-2023.

### ***CONFERENCE TALKS***

“Developing a pipeline for isoform-level multi-omics data analysis.” Queensland Mass Spectrometry Symposium 2021. 4-5 November, 2021. Gold Coast, QLD.

“Impact of intrinsic and environmental factors on DNA methylation dynamics in *Helicoverpa armigera*.” The 10th International Workshop on Molecular Biology and Genetics of the Lepidoptera. 19-25 August, 2018. Kolympari, Crete, Greece.

“Towards the development of genomic standards for epigenomic data.” The 20<sup>th</sup> Genomic Standards Consortium Meeting. May 1-4, 2018. San Diego, USA.