

BIOPROTECTION AOTEAROA OUTPUTS 2023

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Borse, D. M. F., Brandt, A. J., Waipara, N., Stanley, M.C. (2023c, November 17). The Interactions of Co-occurring Weeds and Their Impacts on Native Plants. *School of Biological Science Research Showcase*, Auckland, New Zealand, Auckland, New Zealand.

Borse, D. M. F., Brandt, A. J., Waipara, N., Stanley, M.C. 2023a, June 9). Wattle we do about all these weeds? Understanding the interactions and impacts of co-occurring woody weeds in restoration plantings. *Joint Graduate School Maanaki Whenua Seminar Day*, New Zealand.

- Borse, D. M. F., Brandt, A. J., Waipara, N., Stanley, M. C. (2023b, July 3). Wattle we do about all these weeds? Determining how interactions of co-occurring woody weeds affect restoration plantings. *Ecological Society of Australia Conference*, Darwin, Australia.
- Borse, D. M. F., Brandt, A. J., Waipara, N., Stanley, M. C. (2023d, November 30). Who grows there? The plants that co-occur with three woody weeds. *New Zealand Ecological Society Conference*, Auckland, New Zealand, Auckland, New Zealand.
- Bradshaw, R. E. (2023, July 24). The Kauri dieback pathogen genome. PacBio Roadshow, Kenepuru, Wellington, NZ, Wellington, New Zealand.
- Dagg, T., Bradshaw, R. E., Mesarich, C. H. (2023, September 1). *Phytophthora agathidicida* alters its repertoire of secreted proteins in the presence of *Phytophthora cinnamomi* and *Phytophthora multivora*. *Queenstown Research Week*, Queenstown, New Zealand.
- Dainty, K. R., Inwood, S., Goldson, S. L., & Dearden, P. K. (2023, November 14). Predicting successful biocontrol: What we can learn from *Microctonus hyperodae* genomics. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*.
- Dearden, P. (2023, November 14). Adventures in insect plasticity and sociality. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Dearden, P. K., Inwood, S., Skelly, J. (2023, November 14). How might we refresh biocontrol agents? *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Dearden P.K. (2023, November 14). Conservation and Biodiversity Genetics. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Deslippe J., Tomscha S, Benevidez R., Ruston P., Balkwill C., Jackson B. (2023a, July 4). Identifying restorable refugia for a Nationally-Critical tree species in the Greater Wellington region. *Plant Science Central Conference*, Massey University, Wellington, New Zealand.
- Deslippe J., Tomscha S., Benevidez R., Ruston P., Balkwill C., Jackson B. (2023b, October 12). Identifying restorable refugia for a Nationally-Critical tree species in the Greater Wellington region. *Beyond Myrtle Rust Advisory group and Final AGM*, Wellington, New Zealand.
- Fineran, P. C. (2023a, June 24). Anti-CRISPR strategies and their regulation. Prokaryotic Virology Satellite Symposium. *42nd Annual Meeting of the American Society for Virology (ASV)*, Athens, Georgia, USA., Athens, USA.
- Fineran, P. C. (2023b, July 27). Regulation of anti-CRISPR production. *CRISPR 2023*. Würzburg, Germany., Würzburg, Germany.
- Fineran, P. C. (2023c, November 20). Defence and counter-defence strategies in the phage-bacterium arms race. *New Zealand Microbiological Society Conference*, Auckland, New Zealand, Auckland, New Zealand.
- Hawkes, M. K. N., Dearden, P. K., Gemmell, N. J., & Kenny, N. J. (2023, November 14). Evaluating the impacts of climate change at a cellular resolution through comparative single cell sequencing of kuku (green-lipped mussels). *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Published proceedings: Abstract E2*, Dunedin, New Zealand.
- Inwood, S. N., Harrop, T. W. R., Goldson, S. L., & Dearden, P. K. (2023, November 14). Transmission of a novel virus in a declining insect biocontrol system. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*.
- Meisrimler, C.-N. (n.d.). Thirsty for Answers: Dissecting Signal Warfare Between Plants and Pathogens in a Changing Climate. December 2023. Gottingen University, Germany, Gottingen, Germany.
- Morman, K., Buckley, H. L., Higgins, C. M., Tosi M., Dunfield, K., Day, N.J. (2023, September 1). Impacts of plant-soil feedbacks and fire on arbuscular mycorrhizal fungi associated with invasive plants. *Queenstown Research Week*, Queenstown, New Zealand.
- Tarallo, M., Guo, M., Bradley, E., Shiller, J., Mesarich, C.H., Bradshaw, R.E. (2023, August 19). Insights into the *Phytophthora agathidicida* genome with a chromosome-level sequence assembly. *Oomycete Molecular Genetics Meeting*, Lyon, France, Lyon, France

CONFERENCES – ALIGNED

- Austin, A. & Dearden, P. K. (2023, November 14). Mechanisms of segmentation in the honeybee. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Byers, A. K. (2023a, September 1). Exploring the diversity of secondary metabolite biosynthetic gene clusters in kauri (*Agathis australis*) forest soils *Queenstown Research Week*, Queenstown, New Zealand.
- Byers, A. K. (2023b, November 20). Exploring the diversity of biosynthetic gene clusters in kauri forest soils afflicted with dieback disease. *New Zealand Microbiological Society Conference*, Auckland, New Zealand
- Balkwill, C., Chagné, D., Deslippe, J. R. (2023, September 1). Community focussed restoration of a taonga, maire tawake. *Queenstown Research Week, He taonga tuku iho – Bioprotection Aotearoa Satellite*, Queenstown, New Zealand.

- Balkwill, C., Ritchie, P., Chagné, D. & Deslippe, J. R. (2023a, July 4). Restoration genetics of a critically threatened New Zealand Myrtaceae, *Syzygium maire*. *Plant Sciences Central 2023*, Palmerston North, New Zealand.
- Balkwill, C., Ritchie, P., Chagné, D. & Deslippe, J. R. (2023b, September 26). Landscape-scale restoration genetics of a critically threatened New Zealand Myrtaceae, *Syzygium maire*. *Society of Ecological Restoration World Conference*, Darwin, Australia.
- Condron, L. M. (2023, December 27). The role of soil biology and organic phosphorus in improving phosphorus use efficiency in agroecosystems. *Organic Phosphorus Workshop #4*, Pucón, Chile.
- Cridge, A., Hyink, O., Armstrong, K., Harrop, T., Dearden, P. (2023, November 14). Bees as biosecurity biomonitoring: Exotic plant detection and identification to monitor plant invasions. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Published proceedings: Abstract E2*, Dunedin, New Zealand.
- Cullen, G. & Dearden, P. K. (2023, November 14). *Predetermining the Germline the honeybees*. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Delargy, E., & Dearden, P. K. (2023, November 14). Time to grow up: Validation of the timer-gene segmentation hypothesis in the honeybee. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Guhlin, J. G., & Dearden, P. K. (2023, November 14). Species-wide genomics of kakapo provides transformational tools to accelerate recovery. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Verbal presentation and other Conference outputs E5*, Dunedin, New Zealand.
- Guhlin, J., Keddell, P., & Dearden, P. (2023, November 14). Reannotating 282 genomes: The hymenopteran unified gene set. *Genetics Otago Tech Week 2023 Annual Symposium & Workshops Conference Contribution - Published proceedings: Abstract E2*, Dunedin, New Zealand.
- Meisrimler, C.-N. (2023a, February). The NAC13 Transcription Factor cluster is involved in abiotic and biotic stress regulations. *VIB Ghent, Belgium, Ghent, Belgium*.
- Meisrimler, C.-N. (2023b, September 5). The Role of *Phytophthora pluvialis* RXLR effectors during early infection of *Pinus radiata*. *British Society of Plant Pathology Meeting*, Birmingham, UK.
- Stanley M. C. (2023a). Drivers of ecological change in cities: Backyards matter. *Plenary, Central Arizona-Phoenix LTER Symposium*, Arizona State University, Phoenix, USA.
- Stanley M. C. (2023b). Urban greening: How do birds and people influence each other? *Dept Seminar, University of Washington*, Seattle, USA.
- Stanley M. C. (2023c). Why backyards matter? *Northshore Branch, Forest & Bird*, Auckland, New Zealand.
- Stanley M. C. (2023d). Why backyards matter? *Waiheke Festival*, Auckland, New Zealand.
- Stanley M. C. (2023e, May 19). Backyards matter for birds and other biodiversity. *Eastern Songbirds Festival*, Auckland, New Zealand.
- Stanley M. C. (2023f, November 30). Drivers of ecological change in cities. *Dept Seminar, Rutgers University*, New Jersey, USA.
- Tarallo, M., Bradshaw, R. E., McDougal, R. L., Mesarich, C. H. (2023, August 8). Cross-kingdom effectors: Hope for broad-spectrum resistance to conifer needle pathogens? *New Zealand Plant Protection Society Conference*, Rotorua, New Zealand.
- Tylianakis, J. M. (2023, November 14). Consumer spillover and the spatial propagation of habitat effects. *Symposium: "Spillover effects of natural enemies on heterogeneous landscapes" Friday, June 9th, Estación Experimental de Zonas Áridas, CSIC (Almería, Spain)*, Almería, Spain.
- Yeoh, S. M., Gerth, M., Woods, L., Davenport, A., Davenport, S., Marsh, C., Hohaia, H., & Deslippe, J. (30-Nov-23). Kauri survival and growth in response to companion planting treatments in Waipoua Forest, Northland. *NZ Ecological Society Virtual Conference, Wellington local hub student*, Wellington, New Zealand.