

# Lauren Hemara

DOCTORAL CANDIDATE · BIOLOGICAL SCIENCES  
*Tāmaki Makaurau - Auckland, New Zealand*

## Education

### The University of Auckland

*Tāmaki Makaurau, Auckland*

DOCTORAL CANDIDATE

2021 - Present

- Using the kiwifruit bacterial canker pathogen *Psa* to understand how plant pathogens evolve during host infection.
- Awarded a University of Auckland Doctoral Scholarship.

### The University of Auckland

*Tāmaki Makaurau, Auckland*

MSc WITH FIRST CLASS HONOURS IN BIOLOGICAL SCIENCES

2019 - 2020

- Identification of candidate *Pseudomonas syringae* pv. *actinidiae* effectors that trigger resistance in *Actinidia arguta*.
- Awarded a Zespri Innovation Scholarship for research in the kiwifruit industry.

### The University of Auckland

*Tāmaki Makaurau, Auckland*

PGDIPSci WITH DISTINCTION, MAJORING IN BIOLOGICAL SCIENCES

2018 - 2019

- Awarded Senior Frances Briggs Memorial Prize in Plant Sciences (2017).
- Awarded Janet Bain Mackay Memorial Prize (2017).

### The University of Auckland

*Tāmaki Makaurau, Auckland*

BSc, MAJORING IN BIOLOGICAL SCIENCES

2015 - 2018

- First in Course for BIOSCI 321 - Plant Pathology (2017).
- Awarded Tuākana Certificate of Merit for excellent scholastic achievement in STATS 201.
- Class representative for BIOSCI 208 (Semester 1, 2016), BIOSCI 320 (Semester 1, 2017), and BIOSCI 340 (Semester 2, 2017).

## Work Experience

### The University of Auckland

*Tāmaki Makaurau, Auckland*

GRADUATE TEACHING ASSISTANT - QUANTITATIVE BIOLOGY (BIOSCI 220)

Semesters 1 & 2, 2022

- Tutor-in-Charge of the online overseas lab stream, delivering 8 lab sessions across the semester.

### The University of Auckland

*Tāmaki Makaurau, Auckland*

TEACHING ASSISTANT - QUANTITATIVE BIOLOGY (BIOSCI 220)

Semester 2, 2021

- Supported students to explore data and troubleshoot R code in weekly laboratory sessions.

### Waikato Regional Council

*Kirikiriroa, Hamilton*

SUMMER STUDENT - ONLINE CONTENT SUPPORT

2020-2021

- Content management for Waikato Regional Council's internal and external websites.

### Plant and Food Research

*Tāmaki Makaurau, Auckland*

SUMMER STUDENT - HOST-MICROBE INTERACTIONS

2018-2019

- Continuation of *Psa* genome biosurveillance project in North Island kiwifruit orchards.

### Plant and Food Research

*Tāmaki Makaurau, Auckland*

SUMMER STUDENT - HOST-MICROBE INTERACTIONS

2017-2018

- Conducted a genome biosurveillance survey for *Psa*, a bacterial pathogen of kiwifruit.
- Bioinformatics project manually annotating effector genes in the newly described *Psa* biovar 5 and biovar 6 genomes.
- Awarded Ngā Toa Ngaki Kai Scholarship.

### Waikato Regional Council

*Kirikiriroa, Hamilton*

SUMMER STUDENT - COMMUNICATIONS AND ENGAGEMENT

2016-2017

- CMS migration and redesign of the Waikato Regional Council and Envirolink websites.
- Digital asset and metadata management for the Waikato Story project.
- Science communication and content creation for the Science and Strategy directorate,

## Extracurricular

### Maanaki Whenua - Landcare Research

*Tāmaki Makaurau, Auckland*

VOLUNTEER - NEW ZEALAND ARTHROPOD COLLECTION

2017

- Sorted and identified field samples from New Zealand and the Pacific Islands.