DR SHELLY LACHISH

Motivated, successful research scientist with experience in both industry and academia. Expertise in the analysis, interpretation and presentation of large, complex ecological and health data. Effective and collaborative communicator. Proficient in technical writing with strong project management skills. Curious, competent, and creative.

☐ CAREER SUMMARY

current | 2023

Data Scientist

Environment Division

♥ CSIRO

• Streamline and automate species distribution modelling pipelines; develop freshwater RiverATLAS database

2022 | 2019

Data Analyst

UK Biobank

Oxford Big Data Institute

- Developed scripts to query databases, automate reporting, and dashboards/visualisations.
- Built ETL data pipelines to import disparate electronic health records into the UKBiobank databases.
- · Provided statistical and analytical expertise to researchers.

2019 | 2017

Daphne Jackson Postdoctoral Research Fellow

Department of Zoology

University of Oxford

- Conducted original research on topics in ecology, population dynamics, infectious disease using novel and cutting-edge statistical and modelling methods.
- · Managed, analysed, and interpreted large data sets.

2017 | 2015

Research Analyst

Medical Careers Research Group

University of Oxford

• Published papers and government reports using data from the UK Medical Careers Survey.

2013

Policy Writer

Mathematical Ecology Research Group

University of Oxford

· Produced brief on regulating GMOs for UK gov agency (DEFRA).

2012 | 2010

NERC Postdoctoral Research Fellow

Department of Zoology

- University of Oxford
- · Conducted, published and presented research in ecology, evolution, population dynamics, infectious disease.
- Analysed, interpreted complex data using leading statistical and modelling methods

CONTACT

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G Github

in LinkedIn

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SKILLS

Scientific Research

Data wrangling / ETL

Statistical analysis

Modelling

Data visualisation

Reporting

TECH STACK

R
SQL
Git / SCM
Bash
Shiny
HTML
CSS

RESEARCH

Please see my Google Scholar page for a full list of my research papers.

> Made in R with **pagedown**. Source code available here.



EDUCATION

2010 2005

School of Biological Sciences

University of Queensland

1999 1995 Doctor of Philosophy (PhD). Wildlife Disease Ecology.

BSc Ecology (wtih 1st class Hons)

Department of Zoology and Entomology

University of Queensland



GRANTS AND AWARDS

Daphne Jackson Postdoctoral Fellowship (£82,000); NERC Urgency Grant (£60,000); Ian Potter Research Grant (\$130,000), Wildlife Disease Association Student Award (\$5,000)



INVITED SEMINARS

Centre National de la Recherche Scientifique (France, 2018); Big Data Institute (UK, 2018); University of Queensland (Aust, 2011); Zoological Society of London (UK, 2011)

♣☐ TEACHING EXPERIENCE

Programming in R with the Tidyverse (Big Data Institute, 2022); Introduction to Text Mining in R (Big Data Institute, 2021); St Hilda's College Biology Tutor (2018 - 2019); University of Oxford DPhil Supervisor (2010 -2012); UQ University Tutor (2007 - 2009)

PROFESSIONAL SERVICE

BDI Coding Committee (2019 - 2022); Oxford Early Career Researcher Network (2017 - 2019); British Ecological Society member (2011 - 2020)