

# DR SHELLY LACHISH

Motivated, successful data scientist with experience in both industry and the academic sector. Expertise in the management, analysis, interpretation and presentation of large, complex data. Effective and collaborative communicator. Highly proficient in technical writing, with strong organisational and project management skills. Adaptable, meticulous, diligent, and creative.

## EDUCATION

- 2010  
|  
2005 • **Doctor of Philosophy. Disease Ecology.**  
School of Biological Sciences 📍 University of Queensland
- 1999  
|  
1995 • **B.Sc. Ecology/Zoology (1st class Honours)**  
Department of Zoology and Entomology 📍 University of Queensland

## CAREER SUMMARY

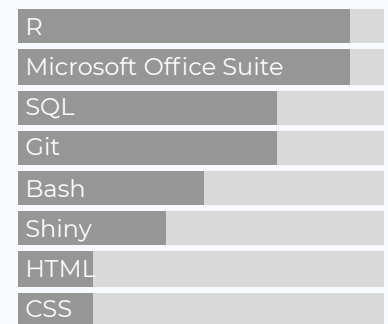
- current  
|  
2019 • **Data Analyst**  
UK Biobank 📍 University of Oxford
  - Provide statistical and analytical support to researchers using the biobank resource and to UKBiobank epidemiologists and programming staff.
  - Develop scripts (R, SQL, Bash) to interrogate databases, automate tasks, perform analyses, and generate reports.
  - Build data pipelines to incorporate health data from electronic medical records into the UKBiobank resource.
- 2019  
|  
2017 • **Daphne Jackson Postdoctoral Research Fellow**  
Department of Zoology 📍 University of Oxford
  - Conducted original research on topics in ecology, population dynamics, infectious disease.
  - Managed, analysed, and interpreted multiple large data sets using cutting-edge statistical and modelling methods.
  - Published and presented research papers at conferences and meetings.
  - Supervised graduate and postgraduate students.
- 2017  
|  
2015 • **Research Officer**  
Department of Population Health 📍 University of Oxford
  - Published scientific research papers and government reports using data from the 40-year UK Medical Careers survey.
  - Developed and maintained data pipelines for processing and analysing survey data.

## CONTACT

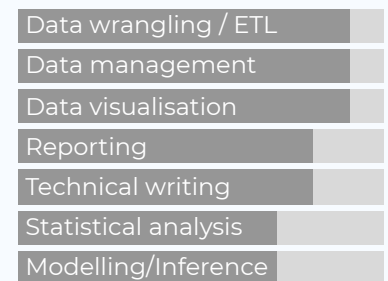
✉ [shellstar@gmail.com](mailto:shellstar@gmail.com)  
☎ (+44) 07716383098  
🐙 [Github](#)  
in [LinkedIn](#)

View this CV online [here](#)

## TECH STACK



## SKILLS



## RESEARCH PAPERS

Please see my [Google Scholar](#) page for a full list of my research papers.

Made in R with [pagedown](#).  
Source code available [here](#).

- 2017  
|  
2011

● **Science Writer and Editor**  
Freelance

  - Writing for: Oxford Science Blog, Living Spain Magazine, 72&Rising, Sabotage Times
  - Editing for Oxford Science Editing, Edanz, private clients.

📍 Oxford, UK
  
- 2014

● **Maternity Leave / Full-time Carer**

📍 Oxford, UK
  
- 2013

● **Policy Writer**  
Mathematical Ecology Research Group

  - Researched policies for regulating genetically modified organisms (GMOs).
  - Produced policy brief for members of DEFRA.

📍 University of Oxford
  
- 2012  
|  
2010

● **NERC Postdoctoral Research Fellow**  
Department of Zoology

  - Research areas: ecology, evolution, population dynamics, infectious disease dynamics.
  - Analysed, interpreted complex data sets using varied statistical modelling methods.
  - Published scientific papers and presented research at conferences and meetings.
  - Supervised graduate and postgraduate students.

📍 University of Oxford



## TEACHING EXPERIENCE

- 2021

● **Introduction to Text Mining in R (online course)**  
Department of Population Health

📍 University of Oxford
  
- 2019  
|  
2018

● **Stipendiary Biology Tutor**  
St Hilda's College

  - Subjects taught: Ecology, statistics, epidemiology, conservation, genetics

📍 University of Oxford
  
- 2012  
|  
2010

● **DPhil Supervisor**  
Department of Zoology

  - Supervised: Dr Irem Sepil and Dr Antica Culina

📍 University of Oxford
  
- 2009  
|  
2007

● **University Tutor: Ecology, statistics, conservation, practicals**  
School of Biological Sciences

📍 University of Queensland



## GRANTS AND AWARDS

- 2017

● **Daphne Jackson Postdoctoral Fellowship (GBP £82,000)**  
Department of Zoology




📍 University of Oxford
  
- 2011

● **NERC Urgency Grant (GBP £60,000)**  
Department of Zoology

📍 University of Oxford
  
- 2008





● **Ian Potter Research Grant (AUD \$130,000)**  
School of Zoology

📍 University of Tasmania

- 2007 ● **Wildlife Disease Association Doctoral Student Award (Value AUD \$5,000)**  
Wildlife Disease Association  Colorado, USA
- 2005 ● **Australian Wildlife Society Grant (Value \$1,500)**  
School of Biological Sciences  University of Queensland
- 2005 ● **Australian Postgraduate Award (\$50,000)**  
School of Biological Sciences  University of Queensland






## INVITED SEMINARS

- 2018 ● **“Wildlife Disease Ecology: from individuals to populations and beyond”**  
Centre National de la Recherche Scientifique  Montpellier, France
- 2018 ● **“Understanding an infectious cancer”**  
Big Data Institute  University of Oxford
- 2011 ● **“The curious case of the disappearing devil” (Steve Irwin Memorial Lecture)**  
University of Queensland  Brisbane, Australia
- 2011 ● **“Disease impacts on wild populations”**  
Zoological Society of London  London, UK




## PROFESSIONAL SERVICE

- current | 2019 ● **Committee member: BDI Coding Committee**  
Big Data Institute  University of Oxford
- 2020 | 2011 ● **British Ecological Society member**  
 London, UK
- 2019 | 2017 ● **Committee member: Early Career Researcher Network**  
Department of Zoology  University of Oxford



## VOLUNTEERING

- 2014 | 2011 ● **Volunteer display and event interpreter**  
Oxford Natural History Museum  Oxford, UK
- 2014 ● **Volunteer science interpreter**  
Big Bang Science Fair  London, UK



## MEDIA

- 2019 | 2008 ● **My research has been reported in these media outlets:**  
TV: George Negus at 6:30, Totally Wild, Radio: BBC Oxford, ABC, 4QR, Print: Sydney Morning Herald, The Australian, Sunday Mail