Dr Tom Jenkins

Curriculum Vitae

t.l.jenkins@exeter.ac.uk
tom-l-jenkins.wixsite.com/tom-jenkins

PROFILE

Research scientist and bioinformatician with interests in marine ecology, applied science and evolutionary genetics. I have worked on both small and large collaborative projects, gaining a wealth of leadership and team-working experience, with dissemination of information to a wide range of audiences always a key objective for every project. Looking for a fast-paced work environment within which to develop and apply the skills learnt throughout my career so far to address key ecological and environmental questions.

EXPERIENCE

CURRENT, FROM MAR 2019

University of Exeter
Postdoctoral Research Scientist

DEC 2018 – FEB 2019

University of Exeter
Research Scientist

DOCTORAL RESEARCH

"Connectivity between MPAs: selecting appropriate taxa and assessing genetic connectivity in two benthic marine invertebrates "

My research assessed how well existing Marine Protected Areas (MPAs) in UK waters maintained genetic diversity and links between populations of two bottom-dwelling marine species, the exploited European lobster and the threatened pink sea fan.

SELECTED PUBLICATIONS

Houston RD, Bean TP, Macqueen DJ, Gundappa MK, Jin YH, **Jenkins TL**, et al. (2020). Harnessing genomics to fast-track genetic improvement in aquaculture. *Nature Reviews Genetics*, 21, 389-409.

Jenkins TL, Ellis CD, Durieux EDH, Filippi JJ, Bracconi J, Stevens JR (2020). Historic translocations and stocking alter the genetic structure of a Mediterranean lobster fishery. *Ecology and Evolution*, 10, 5631-5636.

Jenkins TL, Ellis CD, Triantafyllidis A, Stevens JR (2019). Single nucleotide polymorphisms reveal a genetic cline across the northeast Atlantic and enable powerful population assignment in the European lobster. *Evolutionary Applications*, 12, 1881-1899.

Jenkins TL, Castilho R, Stevens JR (2018). Meta-analysis of northeast Atlantic marine taxa shows contrasting phylogeographic patterns following post-LGM expansions. *PeerJ*, 6, e5684.

Jenkins TL, Stevens JR (2018). Assessing connectivity between MPAs: selecting taxa and translating genetic data to inform policy. *Marine Policy*, 94, 165-173.

EDUCATION

2014 – 2018 **Doctor of Philosophy (PhD)**
Biological Sciences
University of Exeter

2013 – 2014 **Master of Research (MRes)**
DISTINCTION
Biodiversity Informatics and Genomics
Imperial College London

2010 – 2013 **Bachelor of Science (BSc)**
FIRST CLASS HONOURS
Marine Biology
Swansea University

SELECTED AWARDS

2019 **Small Research Grant (?5,000)**
British Ecological Society

2015 **Syngenta award for best plant, microbial and environment business plan (?125)**
Environment YES competition

COMPUTER SKILLS

PROFICIENT R, Linux, data visualisation, LaTeX, spatial analysis, Microsoft Office

DEVELOPING Python, Jupyter Notebook, Machine learning

COMMUNICATION SKILLS

CONFERENCES Invited talk at the ARCH-UK Annual Science Event in Stirling – Jun 2019

Invited talk at the National Lobster Hatchery in Cornwall – Dec 2018

Invited talk at the Natural England Marine Monitoring and Evidence Event in Nottingham – Jun 2018

POSTERS Poster presentation at the II Joint Congress on Evolutionary Biology in Montpellier – Dec 2018

REFERENCES

References available on request