

Tom L Jenkins

PhD

Curriculum Vitae

Exeter, United Kingdom
+44 7880 950409
Tom.L.Jenkins@outlook.com
tomjenkins.netlify.app
Tom-Jenkins

Profile

Scientist specialising in bioinformatics, data analysis and R programming. I have a broad range of interests and knowledge in evolutionary biology, geospatial analysis and data science. Previous projects include population genomics and whole genome sequencing of marine species, genome assembly and trait-association modelling, and predicting habitat suitability using machine learning.

Employment

Apr 2022–Present	Bioinformatician & Software Developer	Animal and Plant Health Agency
Feb 2021–Mar 2022	Senior Data Analyst / Advisor	Natural England
Dec 2018–Jan 2021	Postdoctoral Research Associate	University of Exeter

Qualifications

2018	PhD	Biological Sciences	University of Exeter
2014	MRes	Biodiversity, Informatics and Genomics	Imperial College London
2010	BSc	Marine Biology	Swansea University

Computer Skills

Proficient **R Programming, Linux, Geocomputation, MS Office**
Competent **GitHub, AWS, R Markdown, R Shiny, Leaflet.js, ECharts.js**

Selected Awards and Talks

2022	Talk	Live interview on <i>BBC Radio Wales Drive</i> to discuss published research on coral habitat suitability modelling
2021	Talk	Pre-recorded interview on <i>BBC Radio Cornwall</i> to discuss published research on red algae genomics
2019	Award	British Ecological Society Research Grant (£5,000)
2018	Talk	Invited talk at ARCH-UK Annual Science Event
2018	Award	Heredity Fieldwork Grant (£1,284)

Selected Publications

- **Jenkins TL**, Stevens JR (2022). Predicting habitat suitability and range shifts under projected climate change for two octocorals in the north-east Atlantic. *PeerJ* 10, e13509.
- **Jenkins TL**, Guillemin M-L, Simon-Nutbrown C, Burdett HL, Stevens JR, Peña V (2021). Whole genome genotyping reveals discrete genetic diversity in north-east Atlantic maerl beds. *Evolutionary Applications* 14, 1558–1571.
- 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.