

# 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 experience 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	<b>Bioinformatician &amp; Software Developer</b>	Animal and Plant Health Agency
Feb 2021–Mar 2022	<b>Senior Data Analyst / Advisor</b>	Natural England
Dec 2018–Jan 2021	<b>Postdoctoral Research Associate</b>	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**  
Developing **Nextflow, JavaScript**

## Selected Communication and Awards

2022	Interview	Live interview on <i>BBC Radio Wales Drive</i> to discuss published research on coral habitat suitability modelling
2021	Interview	Pre-recorded interview on <i>BBC Radio Cornwall</i> to discuss published research on red algae population genomics
2019	Award	British Ecological Society Research Grant (£5,000)
2018	Talk	Invited talk at Aquaculture Research Collaborative Hub UK Annual Conference
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.