

**Dr. AMBER GRIFFITHS** (Previous surname: Teacher)

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**Web:** <http://fo.am/kernow/>

**Biography:** Dr. Amber Griffiths is a founding Director of the FoAM Kernow studio. With a background in research and education in conservation genetics and science policy advice, Amber now works as a generalist, developing new ways to do research that integrate better with the needs of society. She has written peer-reviewed articles in internationally recognised journals, cited over 2400 times, spanning genomics, ecology, evolution, data visualisation, sound art, remote sensing, appropriate technology, workshop design, wildlife conservation and policy, as well as writing for international media including The Guardian and The Conversation on the rapid global changes in research culture and education. Amber held a permanent lectureship in 'Natural Environment' at the EU funded Environment and Sustainability Institute at the University of Exeter, won a EU Marie Curie Intra-European Fellowship (Wildlife disease genetics and citizen science, 2013-2015), and an Academy of Finland Research Fellowship (Fisheries genetics and management, 2011-2013), and has participated as a researcher on the EU FP7 project BALTGENE (Baltic sea genetic biodiversity and management) and EUPF6 project CLIMIGRATE (Using ancient DNA to predict the response of wildlife to climate change). Her PhD, completed in 2008, was on citizen science and genetics for amphibian conservation. She has worked as a scientific adviser in the UK Parliamentary Office of Science and Technology, translating science for policy makers, and has performed advisory roles in the European Parliament and for various conservation charities. Most recently, Amber was invited as a member of the advisory panel for the Eden Project's Invisible Worlds exhibition, and given an honorary Senior Lectureship at the European Centre for Environment and Human Health. Her current work includes combining sound art and remote sensing for Sonic Kayaks, carpentry and electronics for building tangible interfaces for exploring weaving, coding and virus evolution, designing systems for behavioural change for sustainable horticulture and agriculture, and developing ways to reduce knowledge inequalities by improving access to scientific research. As a related side-line, Amber was a councillor for a year (local Government) and now runs a community climate action group.

## EMPLOYMENT

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### **Founding Director, FoAM Kernow // 2014-present**

Non-profit organisation for transdisciplinary research, appropriate technology, citizen science, science communication, and education. All work is open source/open access. Our work is a mix of commissions and direct or collaborative grant funded projects.

**Commissioning organisations and individuals include:** the Deutsches Museum (the world's largest science museum), Natural History Museum (London), Natural Environment Research Council, British Science Association, Muséum National d'Histoire Naturelle (Paris), Eden Project, University of Cambridge, University of Oxford, University College London, Royal Society Summer Exhibition, and musicians Aphex Twin and Kaffee Matthews, amongst many others.

### **Example projects:**

Sonic Kayaks Open hardware system for citizen-led climate data collection and data sonification.

Farm Crap App Phone app for enabling farmers to switch from synthetic to natural fertilisers, making DEFRA data useable.

AccessLab Workshops to enable anyone to access the scientific research they need for their own purposes.

WaspLove Game about wasps' lives to encourage empathy and understanding.

Invisible Worlds Residencies Developed/curate joint residency scheme for FoAM/Eden Project.

Viruscraft Wellcome Trust funded game and tangible interface about virus evolution and epidemiology/pandemics.

Greenspace Voxels Crafted 3D visualisations of the greenspace in cities from LiDAR data.

### **Lecturer in 'Natural Environment', Environment and Sustainability Institute, University of Exeter // 2013-2015**

Permanent university lectureship appointment - research, teaching and course development.

### **EU Marie Curie Research Fellow, Environment and Sustainability Institute, University of Exeter // 2013-2015**

EU FP7 Marie Curie Intra European Fellowship funding €231,283, Lead Researcher – citizen science for understanding the impacts of disease outbreaks on wildlife populations.

### **Academy of Finland Research Fellow, University of Helsinki/University of Exeter // 2011-2013**

Academy of Finland funding €443,800, Lead Researcher - the designation of fishery management units for herring, that take local environmental variation into consideration.

### **EU Parliament - British Ecological Society Parliamentary Shadowing Scheme // 2012**

Working with Chris Davies MEP, joining sittings of the Environment and Fisheries Committees.

### **Postdoctoral Researcher, University of Helsinki // 2010-2011**

EU FP7 project – BALTGENE - Baltic sea genetic biodiversity and management. Also developed wiki for policy makers and fisheries managers to provide management advice for the Baltic Sea.

**Postdoctoral Research Assistant, Royal Holloway University of London // 2009-2010**

EU FP6 project – CLIMIGRATE – Using ancient DNA to predict the response of wildlife to climate change.

**Postdoctoral Research Assistant, Institute of Zoology, London // 2009**

Using genetics to track penguin migration in Antarctica.

**Parliamentary Advisor, Parliamentary Office of Science and Technology // 2008**

Secondment from PhD to advise MPs on wildlife disease research and policy – produced parliamentary briefing note and seminar which led to changes to the Defra Wildlife Health Strategy.

**Editorial Assistant, Cancer Research UK/Nature Publishing Group // 2003-2004**

Front line for incoming journal submissions, managing the editorial process.

**Research Assistant Internship, Institute of Zoology, London // 2003**

Developing PanTHERIA - an open access online database of mammal life history.

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**DEGREES & QUALIFICATIONS****Practical Horticulture, Level 2, Duchy College. // 2017**

Just for fun.

**Fellow of the Higher Education Academy, UK Aspire scheme // 2013**

UK teaching accreditation.

**Docent in Evolutionary Genetics, University of Helsinki // 2011**

European academic ranking and teaching accreditation. Assessed lectures & pedagogy theory, grade: Excellent. Academic Supervising - Grade: 5/5, 130 hours of study. University Pedagogy Grade 5/5, 260 hours of study.

**PhD Population Genetics, Institute of Zoology/Queen Mary University of London // 2005-2008**

No corrections, completed in 2 years 11 months, with 3 month secondment taken in 2008 to Parliamentary Office of Science and Technology (see above).

**MRes Animal Science, Imperial College London // 2004-2005**

Distinction.

**BSc Biology, University College London // 2000-2003**

2:1 hon.

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**HONORARY, ADVISORY & COMMITTEE POSITIONS*****Honorary Academic Roles***

Honorary Senior Lecturer, European Centre for Environment & Human Health, Univ. of Exeter // 2020-present

Stakeholder Affiliate, Environment and Sustainability Institute, University of Exeter // 2015-present

Honorary Fellow, Civil, Environmental & Geomatic Engineering, University College London // 2016-present

***Advisory Roles***

Advisory Group for £4m Wellcome Trust funded Invisible Worlds exhibition, Eden Project // 2016

Scientific Committee, National Lobster Hatchery (a charity) // 2013-2016

***Committees***

Councillor (local Government), Mylor and Flushing, Cornwall // 2019

Impact Awards Steering Committee, University of Exeter // 2013-2015

Athena SWAN Committee for Diversity and Equality, University of Exeter // 2012-2013

Chair of the Working Culture and Equality Group, University of Exeter // 2012-2013

Chair of London Evolutionary Research Network (LERN) // 2005-2008

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**GRANT & EDITORIAL POSITIONS****Panel Member // 2019**

Natural Environment Research Council, Engaging Environments £1.3m grant.

**Grant Reviewer // 2012-present**

Chilean Antarctic Institute (INACH) National Fund for Scientific and Technological Research in Antarctica

Icelandic Research Fund  
British Ecological Society  
South West Creative Technology Network  
Natural Environment Research Council  
European Research Council

### Editorial Roles // 2013-2015

Editor, PLoS One (non-profit open-access science publisher)  
Associate Editor, Animal Conservation  
Associate Editor, Ecology & Evolution

### Academic Journal Reviewer // 2009-present

Molecular Ecology, Proceedings of the Royal Society B: Biological Sciences, Animal Conservation, Wildlife Research, PLoS ONE, BMC Evolutionary Biology, BMC Research Notes, Diseases of Aquatic Organisms, Conservation Genetics, Heredity, EcoHealth, the Biological Journal of the Linnean Society, Journal of Zoology, Bioinformatics, Journal of Fish Biology, Molecular Ecology Resources, Database, European Journal of Wildlife Research, Polar Biology, Immunogenetics, PLoS Biology, and others.

## PUBLICATIONS

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### Peer-reviewed Journal Articles

Campbell LJ, Garner TWJ, Hopkins K, **Griffiths AGF**, Harrison XA (2019) Outbreaks of an emerging viral disease covary with differences in the composition of the skin microbiome of a wild United Kingdom amphibian. *Frontiers in Microbiology*, 10, 1245.

**Griffiths AGF**, Modinou I, Heslop C, Brand C, Weatherill A, Baker K, Hughes AE, Lewis J, de Mora L, Mynott S, Roberts KE, Griffiths DJ (2019) AccessLab: Workshops to broaden access to scientific research. *PloS Biology*, 17(5), e3000258.

Anderson K, Hancock S, Casalegno S, **Griffiths A**, Griffiths D, Sargent F, McCallum J, Cox DTC, Gaston KJ (2018) Visualising the urban green volume: Exploring LiDAR voxels with tangible technologies and virtual models. *Landscape and Urban Planning*, 178, 248-260.

Marshall HH, Griffiths DJ, Mwanguhya F, Businge R, **Griffiths AGF**, Kyabulima S, Mwesige K, Sanderson JL, Thompson FJ, Vitikainen EI, Cant MA (2018) Data collection and storage in long-term ecological and evolutionary studies: The Mongoose 2000 system. *PloS One*, 13, e0190740.

Campbell LJ, Garner TWJ, Tessa G, Scheele BC, **Griffiths AGF**, Wilfert L, Harrison XA (2018) An emerging viral pathogen truncates population age structure in a European amphibian and may reduce population viability. *PeerJ*, e5949.

Campbell LJ, Hammond SA, Price SJ, Sharma MD, Garner TWJ, Birol I, Helbing CC, Wilfert L, **Griffiths AGF** (2018) A novel approach to wildlife transcriptomics provides evidence of disease-mediated differential expression and changes to the microbiome of amphibian populations. *Molecular Ecology*, 27, 1413-1427.

**Griffiths AGF**, Kemp KM, Matthews K, Garrett JK, Griffiths DJ (2017) Sonic Kayaks: Environmental monitoring and experimental music by citizens. *PloS Biology*, 15(11), e2004044.

Campbell LJ, Head ML, Wilfert L, **Griffiths AGF** (2017) An ecological role for assortative mating under infection? *Conservation Genetics*, 18, 983-994.

Ellis CD, Hodgson DJ, Daniels CL, Collins M, **Griffiths AGF** (2017) Population genetic structure in European lobsters: implications for connectivity, diversity and hatchery stocking. *Marine Ecology Progress Series*, 563, 123-137.

Anderson K, Griffiths D, DeBell L, Hancock S, Duffy JP, Shutler J, Reinhardt L, **Griffiths AGF** (2016) A grassroots remote sensing toolkit using live coding, smartphones, kites and lightweight drones. *PLoS One*, 11(5), e0151564.

Ellis CD, Hodgson DJ, André C, Sørvalen TK, Knutsen H, Griffiths AGF. (2015) Genotype reconstruction of paternity in European lobsters (*Homarus gammarus*). *PloS One*, 10, e0139585.

Moussy C, Atterby H, **Griffiths AGF**, Allnutt TR, Mathews F, Smith GC, Aegerter JN, Bearhop S, Hosken DJ (2015) Population genetic structure of serotine bats (*Eptesicus serotinus*) across Europe and implications for the potential spread of bat rabies (European bat lyssavirus EBLV-1). *Heredity*, 115, 83.

Price SJ, Garner TWJ, Balloux F, Ruis C, Paszkiewicz KH, Moore K, **Griffiths AGF** (2015) A de novo assembly of the common frog (*Rana temporaria*) transcriptome and comparison of transcription following exposure to *Ranavirus* and *Batrachochytrium dendrobatidis*. *PLoS One*, 10, e0130500.

North AC, Hodgson DJ, Price SJ, Griffiths AGF (2015) Anthropogenic and ecological drivers of amphibian disease (ranavirosis). *PloS One*, 10, e0127037.

Ellis C, Hodgson D, Daniels C, Boothroyd D, Bannister C, **Griffiths AGF** (2014). European lobster stocking requires comprehensive impact assessment to determine fishery benefits. *ICES Journal of Marine Science*, 72, i35–i48.

Kuparinen A, Vinni M, **Teacher AGF**, Kähkönen K, Merilä J (2014). Mechanism of hybridization between bream *Abramis brama* and roach *Rutilus rutilus* in their native range. *Journal of Fish Biology*, 84, 237–242.

Crégut-Bonnoure E, Argant J, Bailon S, Boulbes N, Bouville C, Buisson-Catil J, Debard E, Desclaux E, Fietzke J, Fourvel JB, Frèrebeau N, Kuntz D, Krzepkowska J, Laudet F, Lachenal T, Lateur N, Manzano A, Marciszak A, Margarit X, Mourer-Chauviré C, Opliger J, Roger T, **Teacher AGF**, Thinon M (2014) The karst of the Vaucluse, an exceptional record for the Last Glacial Maximum (LGM) and the Late-glacial period palaeoenvironment of southeastern France. *Quaternary Reviews*, 339–340, 41–61.

**Teacher AGF**, Griffiths DJ, Hodgson DJ, Inger R (2013) Smartphones in ecology and evolution: A guide for the apprehensive. *Methods in Ecology and Evolution*, 3, 5268–5278.

**Teacher AGF**, André C, Jonsson P, Merilä J (2013) Oceanographic connectivity and environmental correlates of genetic structuring in Atlantic herring in the Baltic Sea. *Evolutionary Applications*, 6: 549–567.

Wennerström L, Laikre L, Ryman N, Utter FM, AbGhani NI, André C, DeFaveri J, Johansson D, Kautsky L, Merilä J, Mikhailova N, Pereyra R, Sandström A, **Teacher AGF**, Wenne R, Vasemägi A, Zbawicka A, Johannesson K, Primmer CR (2013) Genetic biodiversity in the Baltic Sea: Species-specific patterns challenge management. *Biodiversity and Conservation*, 22, 3045–3065.

**Teacher AGF**, André C, Merilä J, Wheat CW (2012) Whole mitochondrial genome scan for population structure and selection in the Atlantic herring. *BMC Evolutionary Biology*, 12, 248.

Nair A, Gopalan SV, George S, Kumar KS, **Teacher AGF**, Merilä J (2012) High cryptic diversity of endemic Indirana frogs in the Western Ghats biodiversity hotspot. *Animal Conservation*, 15, 489–498.

**Teacher AGF**, Kähkönen K, Merilä J (2012) Development of 61 new transcriptome-derived microsatellites for the Atlantic herring (*Clupea harengus*). *Conservation Genetics Resources*, 4, 71–74.

Nair A, Gopalan SV, **Teacher AGF**, George S, Kumar KS, Merilä J (2012) Endemic Indirana frogs of the Western Ghats biodiversity hotspot. *Annales Zoologici Fennici*, 49, 257–286.

Noreikiene K, **Teacher AGF**, Madsen J, Gienapp P (2012) Isolation and characterization of 55 novel microsatellite markers for the pink-footed goose (*Anser brachyrhynchus*). *Conservation Genetics Resources*, 4, 423–428.

**Teacher AGF**, Thomas JA, Barnes I (2011) Modern and ancient red fox (*Vulpes vulpes*) in Europe show an unusual lack of geographical and temporal structuring, and differing responses within the carnivores to historical climatic change. *BMC Evolutionary Biology*, 11, 214.

**Teacher AGF**, Griffiths DJ (2011) HapStar: Automated haplotype network layout and visualisation. *Molecular Ecology Resources*, 11, 151–153.

Nair A, Daniel O, Gopalan SV, George S, Kumar KS, Merilä J, **Teacher AGF** (2011) Infectious disease screening of Indirana frogs from the Western Ghats biodiversity hotspot. *Herpetological Review*, 42, 554–557.

**Teacher AGF**, Shikano T, Karjalainen ME, Merilä J (2011) Phylogeography and genetic structuring of European nine-spined sticklebacks (*Pungitius pungitius*) - mitochondrial DNA evidence. *PLoS One*, 6, e19476.

Kahilainen KK, **Teacher AGF**, Kähkönen K, Vinni M, Lehtonen H & Merilä J (2011) First record of natural hybridization and introgression between pikeperch (*Sander lucioperca*) and perch (*Perca fluviatilis*). *Annales Zoologici Fennici*, 48, 39–44.

**Teacher AGF**, Cunningham AA, Garner TWJ (2010) Assessing the long-term impact of Ranavirus infection in wild common frog (*Rana temporaria*) populations. *Animal Conservation*, 13, 514–522.

Jones KE, Bielby J, Cardillo M, Fritz S, O'Dell J, Orme D, Safi K, Sechrest W, Boakes E, Carbone C, Connolly C, Cutts M, Foster J, Grenyer R, Habib M, Plaster C, Price S, Rigby E, Rist J, **Teacher AGF**, Bininda-Emonds O, Gittleman JL, Mace G, Purvis A (2009) PanTHERIA: A species-level database of life-history, ecology and geography of extant and recently extinct mammals. *Ecology*, 90, 2648.

**Teacher AGF**, Garner TWJ, Nichols RA (2009) Population genetic patterns suggest a behavioural change in wild common frogs (*Rana temporaria*) following disease outbreaks (*Ranavirus*). *Molecular Ecology*, 18, 3163-3172.

**Teacher AGF**, Garner TWJ, Nichols RA (2009) Evidence for directional selection at a novel Major Histocompatibility Class I marker in wild common frogs (*Rana temporaria*) exposed to a viral pathogen (*Ranavirus*). *PLoS One*, 4, e4616.

**Teacher AGF**, Garner TWJ, Nichols RA (2009) European phylogeography of the common frog (*Rana temporaria*): routes of postglacial colonisation into the British Isles, and evidence for an Irish glacial refugium. *Heredity*, 102, 490-496.

Carbone C, **Teacher AGF**, Rowcliffe JM (2007) The costs of carnivory. *PLoS Biology*, 5, e22.

### **International media**

**Griffiths AGF** (5 May 2015) How we can break free from sexism in science. *The Conversation*.

**Griffiths AGF** (25 Aug 2014) Multi-discipline courses will help solve emerging global problems. *The Conversation*.

**Griffiths AGF** (16 June 2014) DIY labs offer an agile alternative to university-based research. *The Guardian*.

### **Policy Articles**

**Teacher AGF** (2012) Science and Policy in European Parliament. *British Ecological Society Bulletin*.

**Teacher AGF** (2008) Wildlife diseases. *Parliamentary Office of Science and Technology*. [POSTnote 307](#)

### **Other Article Types**

Anderson K, Griffiths D, DeBell L, Hancock S, Duffy JP, Shutler J, Reinhardt L, **Griffiths AGF**, Threadgill K (2017) A new android smartphone app for geospatial mapping from drones and kites. EGU General Assembly Conference Abstracts, 18.

**Griffiths A**, Griffiths D, McLean A, Harlizius-Klück E, Cocker E (2016) Engineering the future: as part of V&A Digital Design Weekend.

## **MEDIA COVERAGE**

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- Sonic Kayaks for people with visual impairments: Covered by [Falmouth Packet](#), BBC One News // 2019
- Amphibian microbiome project: Covered by [BBC website](#), [BBC World Service](#), [Daily Mail](#) // 2019
- FoAM organisation, including AccessLab and Viruscraft projects: Covered by [Blueprint](#) // 2018
- Sonic Kayaks publication in PLoS Biology: Covered by [The Verge](#), [Seattle Star](#), [PBS Newshour](#), [Earther](#), [The Wildlife Society](#), [Naked Scientists](#) [article](#) and [podcast](#), and many more // 2017
- Tanglebots workshop for young people with autism: Covered in [Falmouth Packet](#), BBC Radio Cornwall // 2017
- Sonic Kayaks installation at British Science Festival: Covered on [BBC Radio 6 Music](#) [Cerys Matthews Show](#), BBC World Service, BBC Radio Wales and local print media. // 2016
- Amphibian disease predictors project: Interviewed on [BBC Radio 4 Inside Science](#), and covered in [The Independent](#), [The Times](#), [The Telegraph](#), [The Daily Mail](#) // 2015
- Concluding slot in on 3D printing in biology and conservation: [Radio 4](#) programme on '3D Bioprinting' // 2015
- Development of mobile app to track lobsters covered by: [Western Morning News](#), radio Heart FM // 2014
- Amphibian disease screening project covered by: [Falmouth Packet](#), [West Country](#), BBC One News (Spotlight 6/3/14), BBC Radio Cornwall. // 2014
- Animal Conservation publication about cryptic amphibian species in India covered by: [YLE News](#) // 2012
- Annales Zoologici Fennici publication about the discovery of a new hybrid fish covered by: [Kaleva](#) (in Finnish), [Uusi Suomi](#) // 2011
- Animal Conservation publication about disease induced amphibian declines covered by: [Scientific American](#), [The Independent](#), [Daily Mail](#). Also featured in The Times, The Sun, and many others // 2010

## **WORKSHOPS, TEACHING & TALKS**

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## **Workshop/Event Development & Delivery**

I have designed and run >30 workshops and events at FoAM - some examples below:

### **Sonic Kayaks sound mapping workshop // 2019**

Event working with people with visual impairments to develop low cost open source Sonic Kayak technology to improve their independence on the water through geolocated navigational sound prompts. Run in collaboration with accessible kayaking club Access Lizard Adventure, with additional training from charity iSight Cornwall, and funded by the European Regional Development Fund scheme Smartline.

### **AccessLab workshops // 2015-present**

Workshop enabling people to access the scientific research they need, while encouraging researchers to improve the accessibility of their research, and building local community networks. Seven workshops to date, each for different audiences: policy makers, community group leaders, journalists, fishing/marine sector, artists, Extinction Rebellion, and a themed workshop on Climate, Environment and Health run remotely during Covid-19 lockdown. These workshops have been funded by the FEAST Cornwall (Arts Council England and Cornwall Council), British Science Association, Natural Environment Research Council, and the Engaging Libraries scheme (Wellcome Trust, Wolfson Foundation, Carnegie UK Trust), and have been further developed and run in collaboration with the British Science Association, Falmouth Library and the European Centre for Environment and Human Health.

### **Viruscraft co-development workshops // 2017-2019**

Viruscraft is a project to enable people to explore and play with virus evolution and epidemiological models, through a game world that is controlled by a tangible interface. We launched the project with a workshop mixing craft specialists and virologists together to see which concepts were the most interesting and promising, and to begin prototyping ideas for how a game might work. This was followed up by further development and testing events, culminating in an open play test of the installation at the Eden Project.

### **Tanglebots workshops // 2016-2017**

Tanglebots are prototype/failed weaving robots (weaving is quite hard, so we started with tangles and seeing what patterns emerge) – this workshop was designed as part of an ongoing Arts and Humanities Research Council and European Research Council funded project on the links between weaving and coding. Families start with ewaste toys, and take them apart to find components to make new weaving robots with, programmed using Scratch on a Raspberry Pi. We later re-developed the workshop for children with autism and their families, and for autism service providers, in collaboration with University of Exeter research group Cultural Minds (30 participants).

### **Sonic Kayaks, British Science Festival, Swansea // 2016**

Workshop event for 64 people to use sonic kayaks to explore underwater microclimates through sound, while collecting citizen science data for climate research.

## **Scientific Conferences & Seminar Development & Organisation**

BaltGene Genetic Diversity of Baltic Sea Populations, Finland // 2011

Institute of Zoology Conference, London // 2008

London Evolutionary Research Network Conference, London // 2006 & 2007

Departmental Seminar Manager, Royal Holloway University of London // 2009-2010

## **University Teaching**

### **Grand Challenges, University of Exeter // 2014-2015**

Grand Challenges uses problem-based learning to address societal challenges, encouraging interdisciplinarity and links with local organisations. Led 'Food for Thought' group focused on the food industry.

### **Science in Society, University of Exeter // 2013-2015**

Module leader and developer, undergrad. 3<sup>rd</sup> year course. The role of science in society, and communicating science to a broad audience. Student quotes: "*Brilliant module, considering the content I think this should be compulsory for all bioscience students*", "*really enjoyed the module, it was different from anything else we have done*".

### **Basics of Molecular Ecology, University of Helsinki // 2010**

Lecturer and course content development, undergraduate 4<sup>th</sup> year and optional postgraduate course.

### **Evolution, Evolutionary Genetics, and Microbial World & Humans, Queen Mary Univ. of London. // 2006-2008**

Teaching assistant, undergraduate 1<sup>st</sup> to 3<sup>rd</sup> year courses.

### **Genes to Organisms, University College London // 2005-2006**

Tutor, undergraduate 1<sup>st</sup> year course.

## **Talks**

I have given >50 talks at conferences, professional organisations, and universities - a recent selection is given below:

### **Marine Biological Association postgraduate conference // 2017**

Talk and panel session on broadening the impact of research

### **Exploring Research in Cornwall – keynote speaker // 2017**

The future of research outside universities

### **Marine Ecology and Conservation Network Meeting, UK // 2016**

Citizen science at FoAM

### **Queen Mary University of London, and University of Exeter (repeat talks) // 2016**

Making an independent research organisation like FoAM

### **NightScience, Centre de Recherches Interdisciplinaire, France // 2015**

Connecting science with society

## **ACADEMIC SUPERVISION**

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Industry placement host for MSc student, Karin Johansson, University of Exeter // 2019

Industry placement host for NERC PhD student, James Duffy, University of Exeter // 2018

Nominated for student-led teaching award at University of Exeter, Best PhD Supervisor // 2015

Primary supervisor, PhD student, Lewis Campbell, University of Exeter & Institute of Zoology // 2014-2018

Manager, Postdoctoral Research Assistant, Dr. Andreia Miraldo, University of Exeter // 2014-2015

Manager, Research Assistant, Alexandra North, University of Exeter // 2014-2015

Co-supervisor, PhD student, Adam Bates, University of Exeter & Cefas // 2013-2015

Tutor for 4 BSc students, University of Exeter // 2013-2015

Co-supervisor, PhD student, Charlie Ellis, University of Exeter // 2012-2016

Supervision of 10 BSc final year project students, University of Exeter/London/Helsinki // 2011-2015

Supervision of 4 MSc research students, University of Exeter/London/Helsinki // 2011-2014

Manager, International mobility student, Moritz Rahlfs, University of Helsinki // 2011-2012

Co-supervisor, PhD student, Abhilash Nair, University of Helsinki // 2010-2012

Postgraduate Student Group Meeting Leader/Mentor, University of Helsinki // 2010-2011

Management and training of 8 remote field-based volunteers, Institute of Zoology // 2006-2008

## **GRANTS & AWARDS**

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Awarded >£800,000 grant income (Lead/Principal Investigator = PI, Co-Investigator = CI):

EU Horizon 2020 ACTION citizen science funding, €20,000, PI // 2020

Carnegie UK Trust/Wellcome Trust/Wolfson Foundation Engaging Libraries funding for AccessLab, £23,115, PI // 2020

Smartline follow-on funding for Sonic Kayaks, £19,875, PI // 2019

FEAST Cornwall/Arts Council UK funding for Sonic Kayaks Workshop, £1,000, PI // 2019

Smartline in-residence funding for Sonic Kayaks, £6,373, PI, 2018

Natural Environment Research Council funding for AccessLab, £25,000, joint PI // 2018

European Social Fund, Cultivator business development funding, £3,895, PI // 2018

European Regional Development Fund, Cultivator business development funding, £1,680, PI // 2017

FEAST Cornwall/Arts Council UK funding for AccessLab, £1,000, PI // 2017

British Science Association funding for Tanglebots, £500, PI // 2017

Economic and Social Research Council Impact Accelerator Grant for Tanglebots, £2,998, CI // 2017

British Science Association for Tanglebots, £500, PI // 2016

Stimuleringsfonds Creatieve Industrie for What Remains, €15,000, CI // 2016

FEAST Cornwall/Arts Council UK for Sonic Kayak Open Hacklab, £1,000, PI // 2016

British Science Association for Sonic Kayak installation at British Science Festival, £3,000, PI // 2016

British Science Association for Weavecoding workshop at FoAM, £500, PI // 2016

FEAST Cornwall/Arts Council UK for Machine Wilderness workshop at FoAM, £1,000, joint PI // 2015

Fishmongers' Company Research Grant, £5,631, PI // 2014

University of Exeter European Social Fund for Postdoctoral Salary, £4,500, PI // 2014

Royal Society Research Project Grant, £12,171, PI // 2014

Natural Environment Research Council CASE PhD studentship, £70,000, PI // 2013

University of Exeter Strategic Development Research Grant, £13,000, CI // 2013

Cornwall Link Fund Grant for promoting links between academics & business, £500, PI // 2013

EU FP7 Marie Curie Intra European Fellowship, €231,283, PI // 2013

Genetics Society Heredity Fieldwork Grant, £1,500, PI // 2013  
National Evolutionary Synthesis Centre (NESCent) Film Prize, \$500 // 2012  
Royal Swedish Academy of Sciences, Internationalization & Scientific Renewal Grant, 70,000 SEK, PI // 2012  
Centre for International Mobility, Salary for International Student, €9,600, PI // 2011  
Academy of Finland Research Fellowship, €355,050, PI // 2010  
University of Helsinki Research Fellowship, €88,750, PI // 2010  
Nordic Marine Sciences Travel Grant, 5,820 SEK, PI // 2010  
Genetics Society Heredity Fieldwork Grant, £1,000, PI // 2008  
University of London Central Research Fund Research Grant, £3,000, PI // 2007  
Universities Fund for Animal Welfare Small Project Grant, £3,050, PI // 2006  
Genetics Society Travel Grant for Junior Scientists, £220, PI // 2006  
British Wildlife Health Association Research Grant, £500, PI // 2006  
Imperial College London Agricola Scholarship, £3,000 // 2004