

## *CURRICULUM VITAE*

### **PROFESSOR VINCENT SAVOLAINEN**

Professor of Organismic Biology,  
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Date of birth: 27 September 1966 (54 years old)  
Nationalities: Swiss, French and British  
Languages: French and English (fluent)

#### **RESEARCH KEYWORDS**

Evolution of biodiversity; speciation  
Ecological genomics, behaviour  
Oceanic islands  
Capacity building; Africa  
Environmental DNA

#### **EDUCATION**

1995 PhD, Department of Botany, University of Geneva, Switzerland  
Thesis: Polyphyletism of Celastrales sensu Cronquist and systematic position of Aquifoliaceae: a phylogenetic approach  
1991 MSc, Department of Zoology, University of Geneva, Switzerland  
Thesis: Role of ecdysteroids in controlling yolk deposition and egg-laying in ticks  
1989 BSc, Section of Biology, University of Geneva, Switzerland

#### **OTHER QUALIFICATIONS**

2015-2017 Imperial Leadership & Management Development Programme  
2003 Qualifications aux Fonctions de Professeurs des Universités et au Muséum National d'Histoire Naturelle (03167130839), Ministry for Education and Research, France

#### **POSITION HELD TO DATE**

2018-present Director, Grand Challenges in Ecosystems & the Environment Initiative, UK  
2009-present Professor of Organismic Biology, Imperial College London, UK  
2017 Distinguished Visiting Professor, University of Johannesburg, South Africa  
2012-2016 Deputy Head of Life Sciences (Silwood Park Campus), Imperial College London, UK  
2007-2009 Reader in Ecology & Evolutionary Biology, Imperial College London, UK  
2006-2007 Acting Head of Molecular Systematics, Royal Botanic Gardens, Kew, UK  
1999-2006 Deputy Head of Molecular Systematics, Royal Botanic Gardens, Kew, UK  
1996-1999 Curator, Botanical Garden of Geneva, Switzerland  
1998-1999 Visiting Professor, Department of Botany, University of Lausanne, Switzerland  
1996-1998 Junior Group Leader, Department of Botany, University of Lausanne, Switzerland

## HONOURS & AWARDS (selected)

2016-2018	Leverhulme Trust Research Fellowship
2015	Reuter's World's Most Influential Scientific Minds
2015	Coincy Award – Botanical Society of France
2015	Elected a Fellow of the Zoological Society of London
2014	Elected a Member of EMBO, the European Molecular Biology Organisation
2009-2014	Royal Society Wolfson Research Merit Award
2009	Elected a Fellow of the Royal Society of Biology (FSB)
2008-2014	Advanced Grant of the European Research Council (ERC)
2006	Elected a Fellow of the Linnean Society of London (FLS)
2007-present	Honorary Research Fellow, Royal Botanic Gardens, Kew
2006	Bicentenary Medal of the Linnean Society
2005	Top 10 most cited plant scientist in Europe (Lab Times 1-2007)
1995-1996	Royal Society European Exchange Fellowship, Royal Botanic Gardens, Kew, UK

## ADVISORY BOARDS & PANELS

2019-present	Mentor, The African Academy of Sciences
2019	Symposium Organiser 'Late Stages in Speciation', II Joint Congress on Evolutionary Biology, 19-22 August 2018, Montpellier, France
2018	External Assessor for Academic Promotions, University of Bristol
2018	Chair of the audit panel of the Faculty of Life Sciences, University of Vienna
2016	University of Salzburg' Biology Research Groups Assessor
2016	External Assessor for Academic Promotions, University of Lausanne (CH)
2016	External Assessor for Academic Promotions, Trinity College Dublin (Ireland)
2016-present	Royal Society Commonwealth Science Conference Grants Committee
2016-present	Royal Society Challenge Grants Panel Member
2015-2016	Committee Member, Royal Society Africa Exchange Grants
2015	External Assessor for Academic Promotions, University of Michigan (USA)
2015	External Assessor for Academic Promotions, University of Bristol (UK)
2015	External Assessor for Academic Promotions, University of Guelph (Canada)
2014-present	Panel Member, Royal Society Newton Fellowships
2014-present	Core Panel Member, NERC Peer Review College
2013-2016	Panel Member, Royal Society DFID Africa Capacity Building Grants
2013-present	Royal Society International Networks Committee
2012-2013	External Assessor for Researchers Rating, National Research Foundation, South Africa
2011	External Assessor for Academic Promotions, University of Cape Town (South Africa)
2010-2013	Panel Member, Royal Society Research Grants
2010	Assessor, NERC Biomolecular Analysis Facilities
2010	Panel Member, Ontario Research Fund-Global Leadership in Genomics and Life Sciences (GL2) Competition, Canada
2010	External Assessor for Academic Promotions, University of Lagos (Nigeria)
2010	External Assessor for Academic Promotions, University of Reading (UK)
2010	External Assessor for Researcher, The Natural History Museum in London
2009-2014	Award Committee Member, Royal Society Leverhulme Africa Grants
2008-2013	Panel Member, NERC Peer Review College
2008-2009	Chair, Royal Society Research Grants
2008	Panel Member, National French Research Evaluation Committee (AERES)
2007	Panel Member, Royal Society Research Grants
2007	Panel Evaluator, ERC Starting Grants
2005-2007	Council Member, The Systematics Association
2004-2007	Scientific Advisor, National Natural History Museum, France

## BIBLIOMETRICS

Google Scholar (January 2021): 251 papers; 29,164 Citations; H-index 75

Nature series/Science (incl. correspondence): 10 items

PNAS/Current Biology/PLoS Biology/eLIFE: 11 items

## GRANTS

>£25M (ca. £10M as PI/Coordinator)

£220,796	The Royal Society (UK)	Disentangling the genomic architecture of drought tolerance in coconut palms for food security and biodiversity in West Africa	Principal Investigator	2020-2023
£572,414	NERC	SARS-CoV-2 in Sewage Treatment Works: Environmental Impact, Infectivity and Prevalence Modelling	Principal Investigator	2020-2022
£49,501	Imperial College COVID Research Fund	Mapping the prevalence of SARS-CoV-2 using sewage samples	Principal Investigator	2020
£78,437	Research England Global Challenges Research Fund	Sustainable palm futures for Africa	Principal Investigator	2019-2021
£5,000	The Genetics Society (UK)	Public Engagement Grant	Principal Applicant	2019
US \$22,980	American Institute of Bisexuality	Testing the 'bisexual advantage model' in a non-human primate system	Principal Investigator	2020-2021
€1,500,000	Make Our Planet Great Again (France)	The evolution of stress tolerance in palms	Principal Investigator	2020-2025 (I declined it)
£6,000	The Royal Society	Newton mobility grant (Dr S. Bezeng): Early detection of aquatic invaders using environmental DNA at South African ports	Applicant	20017-2018
£59,328	The Leverhulme Trust	Research Fellowship: The evolution of species on islands: genomic approaches to non-model organisms	Principal Investigator	2016-2018
£390,081	NERC	Newton: Understanding and sustaining Brazilian biome resources	Co-investigator	2016-2019
£1,496,000	Imperial College London	Silwood Park infrastructures investment: Hamilton laboratories (£190K) Unit C/microbial ecology suite (£1,025K) Centre for Population Biology (£231K) Wolfson Genomics laboratory (£50K)	Deputy Head of Department	2012-2016

£400,384	NERC	Disentangling the mechanisms of ecological speciation in sympatric palm species	Principal Investigator	2015-2018
€148,307	European Research Council	Proof of Concept 'Redstem'	Principal Investigator	2015-2016
£192,284	Royal Society	Wolfson Refurbishment Grant: Ecological Genomics Synthesis Laboratory	Principal Investigator	2014-2016
£30,000	NERC	Impact Acceleration Award: Developing a new plant variety for the Asian market	Principal Investigator	2014
€245,700	European Commission	International Research Staff Exchange Scheme: Avian Genomics and ecological speciation	Partner	2012-2015
£60,810	NERC	Extinction risks and invasiveness in the British flora	Principal Investigator	2012-2013
€200,549	European Commission	Intra-European Marie Curie Fellowship (Dr L. Valente): Ecological Speciation in Island Birds	Coordinator	2011-2013
€2,163,044	ERC	Understanding the Origin of Species: Ecological Genomics and Transcriptomics on Oceanic Islands	Principal Investigator	2009-2014
€175,836	European Commission	Intra-European Marie Curie Fellowship (Dr C. Devaux): Allochronic and ecological models of sympatric speciation of palm trees on a small isolated island	Coordinator	2009-2010
£75,000	Royal Society	Royal Society Wolfson Research Merit Award	Awardee	2009-2014
£401,928	NERC	Ecological Speciation in Palms on an Oceanic Island	Principal Investigator	2008-2012
£228,451	The Royal Society	Regional patterns of biodiversity and conservation in South Africa: the flora of the Kruger National Park as a case study	Principal Investigator	2008-2012
£228,709	The Leverhulme Trust	Global patterns of monocot biodiversity	Principal Investigator	2008-2011
€233,218	European Commission	Intra-European Marie Curie Fellowship (Dr. G. Besnard): Historical Genomics of the Mediterranean Olive Tree	Coordinator	2008-2010
€168,823	European Commission	Intra-European Marie Curie Fellowship (Dr. H. Schaefer): Community Phylogenetics and Conservation on an Oceanic Archipelago	Coordinator	2008-2010
€776,000	French Research Council (ANR)	Bridging information on tree diversity in French Guiana and a test	Co-investigator	2007-2010

		of ecological theories		
€170,500	European Commission	Intra-European Marie Curie Fellowship (Dr. P. Rymer): The role of pollination biology and evolutionary ecology for rapid speciation in biodiversity hotspots	Coordinator	2007-2009
£98,297	Darwin Initiative for the Survival of Species	Integrating Evolutionary History and Phylogenetic Measures of Biodiversity in Conservation Planning	Principal Investigator	2006-2008
€130,642	European Commission	International Outgoing Marie Curie Fellowship (Dr. H. Sauquet): Evolutionary origin of biodiversity hotspots with a Mediterranean climate	Coordinator	2006-2008
€1,661,477	European Commission	Early-Stage Training Network: Understanding and Conserving the Earth's Biodiversity Hotspots	Leader	2005-2010
£151,900	Darwin Initiative for the Survival of Species	Conservation and monitoring of neotropical orchids	Principal Investigator	2005-2008
€171,105	European Commission	International Outgoing Marie Curie Fellowship (Dr. N. Ronsted): Coevolution in the fig-wasp model system: a phylogenetic approach	Coordinator	2005-2008
€11,900,000	European Commission	Network of Excellence: European Distributed Institute of Taxonomy	Sub-activity Coordinator	2004-2011
£170,020	The Leverhulme Trust	Academic Interchange Network: Speciation in diversity hotspots: The South Africa flora as a case study	Co-investigator	2004-2007
£116,187	Darwin Initiative for the Survival of Species	DNA Banking, phylogeny and conservation, S African flora	Principal Investigator	2003-2006
€177,000	Enterprise Ireland	Grass genomics	Co-investigator	2003-2006
£59,989	The Leverhulme Trust	Sympatric speciation in palms on an oceanic island	Principal Investigator	2003-2005
199,929 CHF	Swiss National Science Foundation	Evolution of plant pollination systems: insights from molecular phylogenetics, field data and nectar chemistry	Principal Investigator	1999-2002

## EDITORSHIPS

2019-2020	Guest Editor, Phil. Trans. Roy. Soc. B (Late Stages in Speciation)
2012-2014	Associate Editor, Evolution
2012-present	Associate Editor, Botany Letters
2011-2013	Associate Editor, Conservation Genetics
2008	Guest Editor, Molecular Phylogenetics and Evolution (Evolution of the Cape Biota)
2005	Guest Editor, Phil. Trans. Roy. Soc. B (DNA Barcoding of Life)
2004-present	Associate Editor, Systematic Biology
2004-2006	Associate Editor, Molecular Phylogenetics and Evolution

## LEARNED SOCIETIES

2020-present	The Association for the Study of Animal Behaviour (UK)
2019-present	The Genetics Society (UK)
2009-present	The Royal Society of Biology (UK)
2006-present	The Linnean Society (UK)
1999-present	The Society for the Study of Evolution (USA)
1998-present	The Society of Systematic Biologists (USA)
1998-2008	The Systematics Association (UK)
1992-1995	Zoological & Botanical Societies of Switzerland

## INVITED TALKS (selected, 2000 onwards)

2020	postponed, The Puzzle of Sexual Orientation, Lethbridge, Canada
2020	postponed, “Sympatric speciation on a remote oceanic island”, University of Vienna, Austria
2020	postponed, The Puzzle of Sexual Orientation, University College London, UK
2018	“Sympatric speciation on a remote oceanic island”, University College London, UK
2017	“Sympatric speciation on a remote oceanic island”, Ecole Normale Supérieure, Paris
2016	“Ecological speciation in sympatric palms”, University of Exeter, UK
2016	“Ecological genomic approach to disentangling the evolution of species on islands”, UK Plant Evolution Conference, University of Cambridge
2016	“Ecological genomic approach to disentangling the evolution of species on islands”, University of Lausanne, Switzerland
2015	“The mechanism of ecological speciation in sympatric palm species”, University of Bristol, UK
2014	“The mechanism of ecological speciation in sympatric palm species”, South African Society of Genetics, University of Pretoria, South Africa
2014	“Genomics approaches to Sympatric Speciation”, University of Konstanz, Germany
2014	“Sympatric speciation on islands”, Sporne Lecture, University of Cambridge, UK
2013	“Ecological genomics and sympatric speciation”, Chair: Biodiversity and Landscape Genetics, Joint Conference of the Human Genome Meeting and 21 <sup>st</sup> Internal Congress of Genetics, Singapore
2013	“Phylogenetics, genomics and global change: understanding the past to enlighten the future”, Evolution Day, Natural History Museum, Milan, Italy
2012	“Phylogenetics, genomics and global change: understanding the past to enlighten the future”, A celebration of Alfred Russell Wallace, Barcelona, Spain
2011	“Unlocking & Developing Collections for Genomic Research – Botanical Perspective”, Sequencing the Red and the Dead, Natural History Museum, UK
2009	“The evolution of plant diversity” and “Sympatric speciation”, ‘Super-speaker’ at Duke University, USA
2009	“Sympatric speciation”, University of Nottingham, UK
2008	“Sympatric speciation”, French Population Genetics Conference, Rennes, France
2007	“Resolving a controversy in evolutionary ecology: sympatric speciation”, European Science Foundation - Ecological Genomics, Tallberg, Sweden
2007	“Conserving the evolutionary potential of floras in the southern African biodiversity hotspots”, Evolution Conference, Christchurch, New Zealand
2006	“Sympatric speciation”, Natural History Museum London, UK
2006	“Sympatric speciation”, University College London, UK
2006	“Sympatric speciation”, University of Rennes, France
2006	“Understanding and conserving the earth’s biodiversity hotspots: South African plants and international opportunities”, South African Society of Systematic Biology, South Africa
2005	“Understanding species diversification from phylogenies”, Queen Mary College, University of London, UK
2005	“DNA barcoding in plants: prospects and problems”, Botanical Symposium, The Smithsonian Institution, UK

- 2005 “Assembling the Tree of Life”, Kirstenbosch Research Centre, South Africa
- 2004 “Plant phylogenetics, new classification and evolution”, French Society of Botany, France
- 2004 “Looking for Sympatric speciation in plants”, University of York, UK
- 2004 “Assembling the Plant Tree of Life”, European Science Foundation, Bergen, Norway
- 2003 “Darwin not so abominable mystery”, University of Lausanne, Switzerland
- 2003 “Assembling the Tree of Life”, University of Wageningen, The Netherlands
- 2003 “Dating the origin of angiosperms”, American Society of Plant Taxonomists Special Symposium, Alabama, USA
- 2003 “Phylogenies and evolutionary biology”, Royal Holloway College, UK
- 2003 “Dating phylogenies: fossils vs molecules”, Deep Time Meeting, Florida Museum of Natural History, Gainesville, USA
- 2002 “Evolutionary radiation in plants: case studies in South Africa and South America”, Plant Species-level Systematics Symposium, Leiden, The Netherlands
- 2002 “Dating phylogenies”, 3rd congress of the Southern African Society for Systematic Biology, University of Grahamstown, South Africa
- 2002 “Dating phylogenies”, Rand Afrikaans University, Johannesburg, South Africa
- 2001 “The use of molecular phylogenies in evolutionary biology”, Imperial College at Sliwood Park, UK
- 2001 “The use of molecular phylogenies in evolutionary biology”, University of Montreal, Canada
- 2001 “The use of molecular phylogenies in answering questions in evolutionary biology”, Trinity College Dublin, Ireland
- 2001 “Phylogeny, molecular evolution and biodiversity”, Plant Molecular Biology from Greater London, King's college, London
- 2001 “What can we learn from branch lengths Large genera meeting”, Rand Afrikaans University, Johannesburg, South Africa
- 2000 “The new APG classification of angiosperm”, University of Amsterdam, The Netherlands
- 2000 “The new APG classification of angiosperm”, Annonaceae Workshop, Utrecht, The Netherlands
- 2000 “Building and using large phylogenies”, Botanical Garden of Edinburgh, UK

#### **FORMER PHD STUDENTS & POSTDOCS AND POSITION THEY NOW HOLD (partial list)**

- Dr Mariya Dobrova (postdoc 2019), now on maternity leave
- Dr Owen Osborne (postdoc), now postdoc at the University of Bangor
- Dr Adam Ciezarek (PhD Student 2014-2018), now postdoc at the Earlham Institute, Norwich, UK
- Dr Simon Dures (PhD Student 2013-2016), now postdoc at the University of Edinburgh
- Dr Andrew Helmstetter (PhD Student 2012-2015), now researcher at Institut de Recherche pour le Developpement, Montpellier, France
- Dr Javier Igea (postdoc 2013-2015), now postdoc at Cambridge University
- Dr Xueping Quan (postdoc 2006-2014) – then bioinformatician at General Bioinformatics Ltd, UK
- Dr Yang CY (postdoc 2014) – then postdoc Natural History Museum, UK
- Dr Luke Dunning (postdoc 2013-2014) – now lecturer at the University of Southampton, UK
- Dr Luca Cornetti (postdoc 2014) – then postdoc University of Zurich, Switzerland
- Dr Richard Fautley (PhD Student 2009-2013), now Consultant at Deloitte, UK
- Dr Luis Valente (Fellow, 2010-2012), now Independent Research Fellow, Natural History Museum Berlin, Germany
- Dr Helen Hipperson (Postdoc 2010-2014), now lab analyst at University of Sheffiled
- Dr Alex Papadopoulos (PhD Student 2008-2011; winner of the Irene Manton Prize for best doctoral botany thesis 2012, The Linnean Society UK), senior lecturer at University of Bangor, UK
- Dr Martyn Powell (PhD Student 2008-2012), now Biology Teacher, St Paul's School, UK
- Dr Lynsey McInnes (Postdoc 2011-2012), now lecturer at the University of Stirling, UK

- Dr C. Haris Saslis-Lagoudakis (PhD student 2009-2011; winner of the Marsden Medal for best doctoral thesis in biology 2013, The Linnean Society UK), now assistant professor at the University of Copenhagen.
- Dr Andy Jones (Postdoc 2011), now assistant professor, University of Oregon, USA
- Dr Katerina Guschanski (Postdoc 2009-2010), now EMBO Fellow, Univ. of Lausanne, Switzerland
- Dr Guillaume Besnard (Fellow 2009-2010): now Researcher at CNRS, France
- Dr Paul Rymer (Fellow 2007-2009): now Lecturer at the University of West Sydney, Australia
- Dr Hanno Schaefer (Fellow 2008-2010): now Assist. Professor Technical Univ. Munich, Germany
- Dr Carole Smadja (Postdoc 2009-2010), now Researcher at CNRS, France
- Dr Celine Devaux (Fellow 2008-2010), now Lecturer at the University of Montpellier, France
- Dr Omar Fiz (Postdoc 2007-2009): then Postdoc at Uppsala University, Sweden
- Dr Jan Schnitzler (PhD 2006-2009): then Postdoc at the University of Frankfurt, Germany
- Dr Matthieu Boulesteix (Postdoc 2009), now Lecturer at the University of Lyon, France
- Dr Yanis Bouchenak-Khelladi (PhD 2004-07); now Postdoc, Univ. Zurich, Switzerland
- Dr Dawn Edwards (PhD Student 2002-05): now Botanist, Royal Horticultural Society, UK
- Dr Rich Grenyer (Postdoc 2006-07): now Associate Professor, University of Oxford, UK
- Dr Jonathan Davies (PhD Student 1999-03): now Associate Professor, University British Columbia, Canada
- Dr Felix Forest (Postdoc 2007): now Head of Mol. Systematics, Royal Botanic Gardens Kew, UK
- Dr Donald Otieno (PhD Student 2004-06): now Associate Professor, University of Eldoret, Kenya
- Dr E Dos Santos (Postdoc 2004): now Associate Professor, Federal University of Parana, Brazil
- Dr Mathieu Perret (PhD Student 1997-02): now Curator, Geneva Botanical Garden, Switzerland
- Dr Nina Ronsted (Postdoc 2003-07): now Full Professor, University of Copenhagen, Denmark
- Dr Nicolas Salamin (PhD Student 1998-02; winner of the Ernst Mayr Award for best systematic paper by PhD student 2003; Society of Systematic Biologists USA): now Associate Professor, Univ. Lausanne, Switzerland

## TEACHING

2009-	Convener	African Biology Field Course	3 <sup>rd</sup> UGs, Imperial College London
2017-	Co-director	MRes in Tropical Forest Ecology	Imperial College London
2012-2013	Co-convener	MRes in Biodiversity Informatics & Genomics	Imperial College London
2008-2016	Lectures	Molecular Ecology	MSc/MRes in Ecology, Evolution, and Conservation, Conservation Sciences, Imperial College London
1999-2007	Lectures	Molecular Systematics	MSc/MRes in Advanced Methods in Taxonomy and Biodiversity, Imperial College London
1996-1999	Lectures	Botany & Marine Biology Field Courses	UGs in Biology & Pharmacy, University of Lausanne, Switzerland
1996-1999	Lectures	Molecular Phylogenetics	Masters in Ecology and Evolution, University of Lausanne, Switzerland

## SERVICE AS REVIEWER - JOURNALS (partial list)

*American Naturalist, Animal Conservation, BMC Bioinformatics, BMC Evolutionary Biology, Biology Letters, Ecology Letters, Evolution, Journal of Molecular Evolution, Molecular Biology & Evolution, Molecular Ecology, Molecular Phylogenetics & Evolution, Nature, Science, Proceedings of the Royal Society B, Systematic Biology, etc.*



## **SERVICE AS REVIEWER – GRANT AGENCIES (partial list)**

Schmidt Science Fellows, European Research Foundation (ERC, Starting and Synergy Grants), EMBO, MacArthur Foundation, UK Biotechnology and Biological Sciences Research Council (BBSRC), UK Natural Environment Research Council (NERC), EmbarkInitiative Ireland, Swiss National Science Foundation, Marsden Fund New Zealand, US National Science Foundation, The Systematics Association, National Science Foundation South Africa, German Science Foundation (DFG), The Leverhulme Trust

## **FIELD EXPEDITIONS I ORGANISED**

South Africa: plant collections in Cederberg Mountains, Namaqualand Desert, Cape Region, Kruger National Park - 25/08/02-06/09/02; 01/09/03-21/09/03; 11/09-25/09/04; 04-13/04/06; 18/01-29/01/07; 13-20/01/08; 20-30/01/09; 5-14/02/2010; 6-20/10/2011;

Australia: plant collections and field experiments on Lord Howe Island, - 21/10-9/11/2002; 11/08-25/08/03; 26/2-9/3/08; 10-20/06/09; 5-14/02/10; 20-27/04/13; 15-25/08/15; 26/03/16 - 24/04/16; 10/11/16 - 04/12/16; 13/11 - 04/12/16; 19/03 - 27/04/18

Costa Rica: plant collections in Isla del Coco, Tapanti, Braulio Carrillo, Cahuita, La Amistad, and Guanacaste National Parks - 15/03-15/04/02; 07/04-06/05/03; 24/03-27/04/06; 1-30/7/13

Puerto Rico: behavioural ecology of rhesus monkeys on Cayo Santiago island – 17/03-23/06/17, Feb-Jun 2019

Thailand: behavioural ecology of rhesus monkeys in Ban Sang School and Wat Pa Santitham Temple community forest – 19-27/05/18

## **ADMINISTRATION (Imperial College London)**

2020	Faculty of Natural Sciences Research Committee
2018-present	Director, Grand Challenges in Ecosystems and the Environment Initiative
2013-2016	Chair, Silwood Park Campus Research & Management Committee
2013-2016	Department of Life Sciences Research & Management Committee
2013-2016	Department of Life Sciences Equal Opportunities Committee
2013-2016	Grand Challenges in Ecosystems and the Environment Initiative Advisory Board
2013-2016	Grand Challenges in Ecosystems and the Environment Initiative Strategy Board
2013-present	Exploration Board

## **REFEERED PAPERS IN PRIMARY JOURNALS**

1. Putman R, Dunn N, Zhang E, Chen M, Miquel C, Savolainen V: Conservation genetics of native and European-introduced Chinese water deer (*Hydropotes inermis*). Zoological Journal of the Linnean Society, in press
2. Flinham E, Savolainen V, Mullon C: Dispersal alters the nature and scope of sexually antagonistic variation, The American Naturalist, in press
3. Steyaert M, Priestley V, Osborne O, Herraiz A, Arnold R, Savolainen V: Advances in metabarcoding techniques bring us closer to reliable monitoring of the marine benthos, Journal of Applied Ecology 2020, 57: 2234-2245.
4. Ciezarek A, Gardner L, Savolainen V, Block B: Skeletal muscle and cardiac transcriptomics of a regionally endothermic fish, the Pacific bluefin tuna, *Thunnus orientalis*, BMC Genomics 2020, 21:1471-2164.

5. Johri S, Dunn N, Chaple TK, Curnick D, Savolainen V, Dinsdale EA, Block BA: Mitochondrial genome of the Silvertip shark, *Carcharhinus albimarginatus*, from the British Indian Ocean Territory. *Mitochondrial DNA Part B: Resources* 2020, 5:2085-2086.
6. Kulmuni J, Butlin RK, Lucek K, Savolainen V, Westram AM: Towards the completion of speciation: the evolution of reproductive isolation beyond the first barriers. *Philosophical Transactions of the Royal Society B: Biological Sciences*, in press
7. Savolainen V, Clotley VA, Doubi Bi TS, Konan JL, Quain M, Bezeng BS, Logah V, Kena AW, Osekre EA, Atuah L, Angui CMV, Ameka G, Turkson B, Boatemaa A, Anankware JP, Bofo AH, Agyei-Dwarko D, Collins CM: Systems thinking creates opportunities for a circular economy and sustainable palm agriculture in Africa. *Current Research in Environmental Sustainability* 2020, 1:31-34.
8. Dunn N, Savolainen V: Complete mitochondrial genome of the grey reef shark, *Carcharhinus amblyrhynchos* (Carcharhiniformes: Carcharhinidae). *Mitochondrial DNA Part B: Resources* 2020, 5:2080-2082.
9. Dures SG, Carbone C, Savolainen V, Maude G, Gottelli D: Ecology rather than people restrict gene flow in Okavango-Kalahari lions. *Animal Conservation* 2020, 23:502-515.
10. Osborne OG, Kafle T, Brewer T, Dobrev MP, Hutton I, Savolainen V: Sympatric speciation in Mountain Roses (*Metrosideros*) on an oceanic island. *Philosophical Transactions of the Royal Society B: Biological Sciences*, in press
11. Clive J, Flinham E, Savolainen V: Understanding same-sex sexual behaviour requires thorough testing rather than reinvention of theory. *Nature Ecology and Evolution* 2020, 4:794-785.
12. Clive J, Wisden W, Savolainen V: The de-scent of sexuality: should we smell a rat? *Archives of Sexual Behavior*, in press
13. Coathup MJ, Osborne OG, Savolainen V: Speciation: how predictable is genome evolution? *eLife* 2019, 8:e50784.
14. Osborne O, Ciezarek A, Wilson T, Crayn D, Hutton I, Baker WJ, Turnbull CGN, Savolainen V: Speciation in *Howea* palms occurred in sympatry, was preceded by ancestral admixture, and was associated with edaphic and phenological adaptation. *Molecular Biology and Evolution* 2019, 36: 2682-2697.
15. Papadopulos AST, Igea J, Smith T, Hutton I, Baker WJ, Butlin RK, Savolainen V: Ecological speciation in sympatric palms: 4. Demographic analyses support speciation of *Howea* in the face of high gene flow. *Evolution* 2019, 73: 1996-2002.
16. Papadopulos AST, Igea J, Dunning LT, Osborne OG, Quan X, Pellicer J, Turnbull C, Hutton I, Baker WJ, Butlin RK, Savolainen V: Ecological speciation in sympatric palms: 3. Genetic map reveals genomic islands underlying species divergence in *Howea*. *Evolution* 2019, 73: 1986-1995.
17. Ciezarek AG, Osborne OG, Shipley ON, Brooks EJ, Tracey SR, McAllister JD, Gardner LD, Sternberg MJE, Block B, Savolainen V: Phylotranscriptomic Insights into the Diversification of Endothermic *Thunnus* Tunas. *Molecular Biology & Evolution* 2019, 36:84-96
18. Esin A, Bergendahl LT, Savolainen V, Marsh JA, Warnecke T: The genetic basis and evolution of red blood cell sickling in deer. *Nature Ecology & Evolution* 2018, 2:367.
19. Herraiz A, Stokes L, Turnbull C, Hutton I, Baker W, Savolainen V: Developing a new variety of kentia palm (*Howea forsteriana*): up-regulation of cytochrome b561 and chalcone synthase is associated with the red colouration of the stems. *Botany Letters* 2018, 165:241-247
20. Osborne OG, De-Kayne R, Bidartondo MI, Hutton I, Baker WJ, Turnbull CGN, Savolainen V: Arbuscular mycorrhizal fungi promote coexistence and niche divergence of sympatric palm species on a remote oceanic island. *New Phytologist* 2017, 217:1254-1266
21. Dunn N, Priestley V, Herraiz A, Arnold R, Savolainen V: Behavior and season affect crayfish detection and density inference using environmental DNA. *Ecology and Evolution* 2017, 30:224
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**OTHER CONTRIBUTIONS, INCLUDING TO SYMPOSIA AND COMPILED VOLUMES (partial list)**

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#### **NON-PROFESSIONAL AFFILIATIONS**

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