

CV: Deborah M. Leigh, PhD

Personal Information

Email: deborah.leigh@wsl.ch

ORCID:0000-0003-3902-2568

Google scholar: [eXQPLVkJAAAAJ](https://scholar.google.com/citations?user=eXQPLVkJAAAAJ)

Personal Website: deborahmleigh.weebly.com

British Citizen

English (Native speaker)/French/German(A2)

Research Interests

Conservation genetics, Biodiversity monitoring, Genomics, Adaptation, Macrogenetics

Education

05/2013-20/09/2017 *Conservation genomics of the Alpine ibex*
PhD, University of Zurich, Switzerland
URPP PhD funding program. Supervisors: Lukas Keller/Andreas Wagner.

09/2011-11/2012 MRes Ecology, Evolution and Conservation
Imperial College London, UK (Distinction)
Supervisors: Prof Isabel Smallgame, Dr Patricia Brekke

09/2008-06/2011 BSc Biological Sciences Hons. Zoology,
University of Edinburgh, UK (First Class)
Honours thesis supervisor: Prof. Per Smiseth

Employment (4.5 years/53.6 Effective months of full-time work since PhD as of 01/08/23)

03/2022-03/2024 *Assisted migration in white oaks: mapping drought adaptation.*
Scientist, WSL, Switzerland. SNSF/Biodiversa funded project: ACORN.
Lead: Dr. Christian Rellstab

09/2021-02/2022 *Assisted migration in white oaks: mapping drought adaptation*
Postdoctoral Fellowship, WSL, Switzerland.
SNSF/Biodiversa funded project: ACORN.
PI: Dr. Christian Rellstab

03/2019-09/2021 *Chestnut blight biocontrol: CHV1 intra-host diversity in the lab and field.*
Postdoctoral Fellowship, WSL, Switzerland.
SNSF funded project: Dynamics of virus infection in mycovirus-mediated
biological control of a fungal pathogen. PI: Dr. Daniel Rigling

08/2017-09/2018 *Arctic Seabird Population Genomics.*
Postdoctoral Fellowship, Queen's University, Canada.
NSERC funded: Using modern genomics to minimize long-term impacts
of resource development on Arctic seabirds. PI: Prof. Vicki Friesen

05/2013-09/2017 PhD Candidate, University of Zurich, Switzerland

- 10/2012-02/2013 Field research assistant. Zoological Society of London.
Remote position. New Zealand. PI: Dr John Ewen/Dr Patricia Brekke
- 07/2011-08/2011 Soay Sheep Project field assistant. University of Edinburgh.
Remote position. St Kilda, UK. Supervisor: Jill Pilkington
- 07/2011-09/2011 Lab technician. University of Edinburgh. UK.
Supervisor: Prof. Per Smiseth
- 06/2010-06/2011 Field assistant. Scottish Natural Heritage. UK.
Supervisor: Dr Ellen Rotheray

Official supervision of junior researchers/students/visitors

Postdoctoral fellows

- 1) 08/2020-09/2020 Dr Lucija Nuskern. Visiting Postdoctoral Fellow. University of Zagreb, Croatia.

PhD students

- 2) 08/2021-09/2021 Karla Peranić. Visiting PhD Student. University of Zagreb, Croatia.

MSc students

- 3) 04/2023-04/2024 Nicole Simone McNamara. MSc thesis student. UZH, Switzerland.
4) 08/2017-09/2018 Russell Turner. MSc thesis student. Queen's University, Canada.

BSc students

- 5) 08/2023-11/2023 Chiara Altendorfer. Visiting DAAD Rise Intern.
6) 08/2022-11/2022 Muhammad Murtaza Shah. Visiting DAAD Rise Intern.
7) 07/2022-09/2022 Clarincia Goweina. Visiting DAAD Rise Intern.
8) 06/2018-09/2018 Mary Kathleen-Hickox. NSERC summer student.
Queen's University, Canada.
9) 09/2017-05/2018 Samantha McCall. BSc Thesis. Queen's University, Canada
10) 10/2015-12/2015 Co-supervisor (with Dr F Guillaume) two undergraduate students on a 'Block course.' University of Zurich. Switzerland

External supervision of junior researchers

PhD students

- 1) 08/2021-09/2024 Karla Peranić. University of Zagreb, Croatia.
2) 05/2019-05/2023 Oliver Kersten. University of Oslo, Norway.

MSc students

- 3) 01/2023-07-2023 Linus Hözels. Helmholtz Pioneer Campus, Germany.

Teaching activities

- 2023 Guest Lecturer: Sustainable management of genetic resources. UZH, Switzerland. (Undergraduate level)
- 2022&23 Lecturer: Genomics of Environmental Adaptation. ETH Zurich, Switzerland. (Graduate level).

- 2018 Guest lecturer: Introduction to Adaptation. Queen's University, Canada. (Undergraduate level)
- 2017 Guest lecturer: Genetic rescue. Queen's University, Canada. (Graduate/Honours level)
- 2015&16 Co-designed module on RAD sequencing. University of Zurich, Switzerland. (PhD level)
- 2015 Field course teaching assistant. University of Zurich, Kalahari research station (Graduate Level)
- 2015 Introduction to population genetics. Teaching assistant for practical. University of Zurich, Switzerland.

Approved research projects (~730,000 CHF)

Large research projects

- 1) BAFU (2023) **CHF 231,872**. GenDiB - Eine neue nationale Datenbank zur innerartlichen genetischen Vielfalt in Populationen wildlebender Arten in der Schweiz. Project Partner. (PI: Felix Gugerli)
- 2) SNSF Project (2022) **CHF 156,108**. Urban Birds. Role of birds in biosecurity of urban trees and forests. Project Partner. (PI: Eckehard G. Brockerhoff)
- 3) WSL Internal project (2021) **CHF 63,000** GenDiB. Feasibility study for a new national database on geo-referenced genetic diversity in populations of wild species. Co-PI. (PI: Felix Gugerli)
- 4) USGS Powell Center FY21 (2021) **\$298,000** Operationalizing conservation genetic data for biodiversity management. Named Partner and named USGS fellow* *declined fellowship due to prior commitments*. (PI: Margret E Hunter)

Smaller grants (<€5000)

- 1) DAAD Rise (2023). **€3600**. Funding for a BSc student to study adaptation in white oaks. Project PI. (PI: Deborah M Leigh)
- 2) DAAD Rise (2022). **€3300**. Funding for a BSc student to study adaptation in white oaks. Project PI. (PI: Deborah M Leigh)
- 3) CanSeq 150 Genome Sequencing Initiative (2018) **CHF 4200** Sequencing our cultural heritage: Eider duck genome sequence. Co-PI/co-main applicant. (PI: Deborah M Leigh/Russel Turner)
- 4) Systematics Research Fund (2018) **CHF 1790** Cryptic speciation in Puffins. PI. (PI: Deborah M Leigh)
- 5) European Science Foundation. Short Visit Grant for knowledge exchange (2015). **CHF 995** To visit Uppsala University. PI. (PI: Deborah M Leigh)

Additional funds secured to work with me:

- 1) Mary Kathleen-Hickox NSERC Undergraduate Student Research Award **CHF 3200**

Pending applications as a named Collaborator

- 1) ERC Advanced Grant. ENVISION. Named collaborator. (PI: David Nogués-Bravo)
- 2) SNSF Project grant. AmbroInva. Named collaborator. (PI: Eckehard G. Brockerhoff)

Active memberships in scientific societies, fellowships in renowned academies

- USGS Powell Centre Macrogenetics Group (founding member, since 2021)
- IUCN SSC Conservation Genetics Specialist Group (steering committee since 04/23; invited member since 11/21)
- GeoBON "Genetic composition working group" (invited member since 05/20)
- ESEB and BES (ordinary member)

Prizes and Awards

- 1) Gulbenkian Prize for Humanity 2022*. Awarded to IPBES and IPCC. *As a contributing author to IPBES.
- 2) Wiley "Top Cited Paper 2019-2020."
- 3) Wiley "Top Downloaded Paper 2018-2019."
- 4) Evolution SSE's W. D. Hamilton Award finalist (2018)
- 5) Queen's Postdoc Travel Award (2018) €650
- 6) ConGenomics. Portugal. Best Talk Award (of 53 talks 2015)
- 7) Funded place to attend Polygenic Adaptation Summer School, Zurich (2017)
- 8) European Science Foundation. ConGenomics. Travel Grant (2016) €600
- 9) European Science Foundation Workshop Place (2015). For the ESF B@G winter school.
- 10) Imperial College London Bursary for top entering MSc students. €1130. ~30 competitors.
- 11) Ashworth Prize. For highest ranked Zoology Graduate at the University of Edinburgh. €230. Ranked 2 of 51 competitors. (2011)
- 12) William Turner Prize. Award for outstanding academic achievement/highest ranking third-year student. €230. ~200 competitors. (2010)

International Conference and Workshop Organisation

- 1) *ConGen24. European Conservation Genetics meeting. (1/2023-)* Scientific Committee
- 2) *ConGen22. European Conservation Genetics meeting. (30/08/2022-2/09/2022)* Scientific Committee
- 3) *NSERC Strategic Meeting (19/10/2017- 21/10/2017)* Co-organiser
Organised a two-day stakeholder's meeting and workshop for academics and conservation practitioners working on Canadian Arctic Seabirds. (30 attendees)
- 4) *UZH Evolutionary Biology PhD Retreat (1/06/2015-3/06/2015)* Co-organiser
Three-day work shop for all PhD students in the UZH Evolutionary Biology program. (60 attendees)
- 5) *URPP Conservation Genomics Mini Symposium (14/03/2014)* Organiser
Two-day event with external talks from experts (Prof. Fred Allendorf, Prof. Mark Beaumont and Prof. Mike Bruford). Attendees from over seven institutes and universities. (100+ attendees)

Institutional responsibilities

- 02/2023 Seminar host for Lara Urban. WSL.
2021-2023 Genomics Journal club organizer. WSL.

- 06/2022 Seminar host for Dr Chloe Schmidt.
 05/2022 Seminar host for Dr Evelyn Jensen.
 29/07/2021 Seminar host for Karla Peranic.
 2019/11/13 Seminar host for Prof Anna-Liisa Laine.
 2015-2017 PhD representative for UZH Institute of Evolutionary Biology and Environmental Studies.
 2015-2017 Mittelbau representative (PhD and Postdocs) for the hiring committee for the “Succession of Prof. Bernhard Schmid/Hiring of Prof Anna-Liisa Laine.”
 2015 Contributor and PhD participant for UZH IEU external department evaluation.
 2015-2017 “Good Food Society” co-organiser of monthly events that promoted inter-group socialisation.
 2014-2015 PhD genomics journal club, co-organiser.
 2014-2019 Regular seminar host (Dr J Davey, Dr A Runemark, Prof AL Laine, Prof M Beaumont).
 2011-2012 Silwood Park Campus Events team and organiser.

Conference Talks and Poster Presentations (limited to only those where I was presenter)

- 2023/08 Protecting forests for the future – characterizing white oak climatic adaptation. SMBE23. Poster presentation. Ferrara.
 2022/12 Recycling temporal genetic data for biodiversity monitoring. British Ecological Society. **Invited Oral presentation.** United Kingdom.
 2022/08 Sympatry of genetically distinct puffins in the High Arctic. ConGen22. Edinburgh. Oral presentation. United Kingdom.
 2022/02/12 Pacbio and Chestnut blight biocontrol. Biology22, Basel. Poster Presentation. Switzerland.
 12/10/2021 AGA2021 President’s Symposium. Oral presentation. **Invited Speaker.** USA. “Pacbio and Chestnut blight biocontrol.” Deborah M Leigh; Daniel Rigling; Marin Jezic.
 04/12/2021 GenDiv Conference. Zurich. Oral presentation. **Invited Speaker.** Switzerland. “Synthesising global genetic diversity trends.” Deborah M Leigh.
 08/10/2020 European Viral Bioinformatics Meeting. Poster. Switzerland. “Intra-host diversity of the mycovirus CHV-1 within natural *Cryphonectria parasitica* infections and a culture collection.” Deborah M Leigh; Daniel Rigling.
 11/09/2020 Host-Microbe Meeting. Oral presentation. Switzerland. “Characterising the population and intra-host diversity of a mycovirus: CHV-1.” Deborah M Leigh; Daniel Rigling.
 19/08/2018 Evolution. Montpellier. Oral presentation. France. **Hamilton Award Finalist.** “Detecting selection in bottlenecked populations.” Deborah M Leigh.
 11/12/2017 ArcticNet. Poster Canada. “Arctic seabird genomics.” Vicki Frisen; Deborah M Leigh.
 14/09/2017 Conservation of adaptive potential. Oral presentation. United Kingdom. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.
 20/08/2017 Integrated methods to detect polygenic adaptation from genomics data. Poster and **funded place.** Switzerland. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.

- 05/2016 ConGenomics. Oral presentation. Funded place and **Best Talk Award**. Portugal. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.
- 13/08/2015 ESEB. Poster presentation. Switzerland. “Post-bottleneck genetics in wild populations: Do we see what we expect and do patterns differ from neutrality?” Deborah M Leigh; Lukas Keller.
- 07/2014 URPP Project Symposium. Oral presentation. Switzerland. “Alpine ibex genomics.” Deborah M Leigh; Andreas Wagner; Lukas Keller.

Invited Seminar Talks (limited to only those where I was presenter)

- 23/05/2023 MeeGene seminar series. Bonn, Germany. “Genetic diversity in the Anthropocene.” Invited seminar Speaker. Deborah M Leigh.
- 29/09/2022 Future PhDs for Future Forests. **Invited speaker/mentor**. Gottingen PhD retreat. “Using genomics to study trees across the landscape.”
- 29/04/2021 WABIO seminar. WSL, Switzerland. “Pacbio and Chestnut blight biocontrol.” Deborah M Leigh; Daniel Rigling; Marin Jezic.
- 25/03/2021 Temporal Genomics Seminar. Rutgers University. USA. “Estimated six per cent loss of genetic variation in wild populations since the industrial revolution.” Deborah M Leigh; Andrew Hendry; Ella Vazquez; Vicki Friesen (watch: https://youtu.be/IXrH_OvfJoQ)
- 08/12/2020 Hendry/Barret lab internal talk. Montreal/Toronto, Canada. “Temporal trends in diversity.” Deborah M Leigh.
- 24/03/2020 CPH:DOX Science Film Factory, Copenhagen. “Temporal trends in diversity.” Deborah M Leigh. *cancelled due to covid-19
- 23/10/2020 Biodiversity seminar, WSL Switzerland. “Temporal trends in diversity.” Deborah M Leigh.
- 17/01/2020 Mycovirus internal meeting, Agroscope. Switzerland. “Pacbio and Chestnut blight biocontrol.” Deborah M Leigh; Daniel Rigling; Marin Jezic.
- 25/10/2018 NSERC strategic meeting. Queen’s University. “Temporal Genomics.” Deborah M Leigh.
- 12/02/2018 Department of Ecology and Evolutionary Biology seminar. University of Toronto. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.
- 13/11/2017 Biology Department Seminar. Queen’s University. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.
- 19/10/2017 NSERC. Queen’s University. “Kittiwake genomics.” Deborah M Leigh.
- 06/09/2016 Genetic Diversity Centre conference. ETH Zurich. “Detecting selection in bottlenecked populations.” Deborah M Leigh; Lukas Keller.

Scientific outreach talks or events

- 2023 Environment Climate Change Canada Seabird protection group.
- 2023 Environment Climate Change Canada Genomic Adaptation and Resilience to Climate Change team.
- 2022 *Biology22* Student talk judge
- 2022 *IUCN Youth Policy* write-shop.
- 2021 *Scientifica* (organized group attendance and WSL Intern article)

- 2020 *CPH:DOX* Science Film Factory, Copenhagen. Invited keynote** cancelled due to covid-19
- 2020 *Skype a Scientist*
- 2017- *Twitter (@debbiemleigh)*
- 2018 *Seabird Twitter conference* – Presenter
- 2018 *FLASF Kingston Science Fair* – Judge for children’s science projects. Ages 10+
- 2016 *For the Love of Sci*, Episode “Women in Science”–Podcast interviewee
- 2012 *L’Oréal Soap Box for Science Day* – Support volunteer

Scientific outreach publications

- Minter M, Nielsen E, Blyth C, Bertola D, Kantar M, Moralex HE, Orland C, Segelbacher G, **Leigh DM** (2021) What is genetic diversity and why does it matter? *Frontiers for Young Minds* 9:656168. [10.3389/frym.2021.656168](https://doi.org/10.3389/frym.2021.656168)
- Scientific article aimed at children and engaging children in the peer review process. Established the collaboration through GEOBON and supervised writing.*
- Birchard K, **Leigh DM** (2019) The importance of keeping time with our internal clocks. *Frontiers for Young Minds*. 7:72. [10.3389/frym.2019.00072](https://doi.org/10.3389/frym.2019.00072)
- Altmetric score 59. Last and corresponding author. Initiated the paper, supervised writing, and approached the journal. Scientific article aimed at children.*
- Colston-Nepali L, **Leigh DM** (2019) Ligers and tigons and grolars, oh my! Hybridization, and how it affects biodiversity. *Frontiers for Young Minds*. 7:113. [10.3389/frym.2019.00113](https://doi.org/10.3389/frym.2019.00113)
- Last and corresponding author. Initiated the paper, supervised writing, and approached the journal. Scientific article aimed at children.*
- Leigh DM** (2018) Look- a Chamois. Dispatches from the field. April.
- Blog post focused for ERCs on building confidence in the field.*

Interview in the Press

- 05/2023 EMBO Reports: genetic diversity change
- 09/2022 [Are We In the Midst of a Silent Mass Extinction? The Scientist.](#)

Research output

Google Scholar h index of 12.

Total citations 1099

Manuscripts *In prep*

Paz-Vinas* I., Vandergast* A. G., Schmidt C., Clark R. D., Crandall E. D., Falgout J., Garroway C. J., Karachaliou E., Kershaw F., de Kort H., **Leigh D. M.**, O'Brien D., Pinsky M. L., Segelbacher G., Hunter M. E.. Mobilization of global genetic data for effective conservation strategies in protected areas. *Prepared for Nature*

Contributing author: inception, writing and editing.
confidential

Leigh D. M., Vandergast A., Crandall E., Funk C., Garroway C. J., Hoban S., Oyler-McCance S., Rellstab C., Segelbacher G., Schmidt C., Vázquez-Domínguez E., Hunter M. E., Paz-Vinas I. Don't make your data disposable: Best practices for genetic and genomic data archiving and publishing. *Prepared for Nature Ecology and Evolution.*

Lead, supervising the writing and collaboration.
Corresponding author

The IUCN SSC for Conservation Genetics Specialist Group. A framework for identifying and including ESU in the IUCN REDlist.

Co-lead, steering committee member.

Prospero S, **Leigh DM**, Ćurković-Perica M, Jezic M, Rigling D (*In prep*) Host genotype frequency impacts the speed and success of Chestnut blight biocontrol. *Prepared for Molecular Ecology.*

Contributing author: data analyses, writing/editing.

Publications in international peer-reviewed scientific journals

Popović M, Nuskern L, Peranić K, Vuković R, Katanić Z, Krstin L., Ćurković-Perica M, Leigh DM, Poljak I, Idžojtić M, Rigling D, Ježić M (2023) Physiological variations in hypovirus-infected wild and model longterm laboratory strains of *Cryphonectria parasitica*. *Frontiers in Microbiology.*

Contributing author: data analyses, writing/editing.
IF (impact factor)= 4.076

Leigh DM†, Kersten O†, Star B, Anker-Nilssen T, Burnham K, Johnson J, Provencher J, Boessenkool S (2022) Sympatry of genetically distinct puffins in the High Arctic. *Ibis*. doi: [10.1111/ibi.13153](https://doi.org/10.1111/ibi.13153) †joint first

Nominated for best ERC paper.
First author, wrote the manuscript, secured funding to sequence high Arctic specimens.
Established collaboration.
Corresponding author
IF= 1.804

- Jensen E, **Leigh DM** (2022) Using temporal samples to understand contemporary climate change responses in wildlife. *Ecology and Evolution*. doi: [10.1002/ece3.9340](https://doi.org/10.1002/ece3.9340) *4 citations. Last author. co-wrote manuscript. Corresponding author IF = 2.91*
- Leigh DM**†, van Rees CB†, Millette KL†, Breed MF, Schmidt C, Bertola LD, Hand BK, Hunter ME, Jensen EL, Kershaw F, Liggins L, Luikart G, Manel S, Mergeay J, Miller JM, Segelbacher G, Hoban S, Paz-Vinas I (2021) Opportunities and challenges of macrogenetic studies. *Nature Reviews Genetics*. 22:791-807 doi: [10.1038/s41576-021-00394-0](https://doi.org/10.1038/s41576-021-00394-0) †joint first *54 citations. Manuscript co-lead. IF = 53.242*
- Leigh DM**, Peranić K, Prospero S, Cornejo C, Čurković-Perica M, Kupper Q, Nuskern L, Rigling D, Jezic M (2021) Long read sequencing reveals the evolutionary drivers of intra-host diversity across natural RNA mycovirus infections. *Virus Evolution*. 7(2) veab101 Doi: <https://doi.org/10.1093/ve/veab101> *4 citations. First author: sample collection/ analyses), wrote manuscript. Corresponding author IF = 7.989*
- Paz-Vinas I, Jensen EL, Bertola LD, Breed MF, Hand BK, Hunter ME, Kershaw F, **Leigh DM**, Luikart G, Mergeay J, Miller JM, van Rees CB, Segelbacher G, Hoban S (2021) Macrogenetic studies must not ignore limitations of genetic markers and scale. *Ecology Letters* 24: 1282-1284 doi: [10.1111/ele.13732](https://doi.org/10.1111/ele.13732) *25 citations. Contributing middle author: temporal genetic diversity expect, outlined initial critique, co-wrote text. IF=9.492*
- Kersten O, Star B, **Leigh DM**, Anker-Nilssen T, Strøm H, Danielsen J, Descamps S, Erikstad KE, Fitzsimmons MG, Fort J, Hansen ES, Harris MP, Irestedt M, Oddmund K, Mallory ML, Jakobsen KS, Boessenkool S (2021) Complex population structure of the Atlantic puffin revealed by whole genome analyses. *Communications Biology* 4:922 doi: [10.1038/s42003-021-02415-4](https://doi.org/10.1038/s42003-021-02415-4) *11 citations. Contributing middle author: population genomics expert, writing/editing IF=6.268*
- Kessler C, Brambilla A., Waldvogel D, Camenisch G, Biebach I, **Leigh DM**, Grossen C, Croll D, (2022) A robust sequencing assay of a thousand amplicons for the high-throughput population monitoring of Alpine ibex immunogenetics. *Molecular Ecology Resources*. 22:66-85 doi: [10.1111/1755-0998.13452](https://doi.org/10.1111/1755-0998.13452) *6 citations. Contributing middle author: provided data, writing/editing. IF=7.090*
- Leigh DM**, Lischer HEL, Guillaume F, Grossen C, Günther T. (2021) Disentangling adaptation from drift in bottlenecked and reintroduced populations of Alpine ibex. *Molecular Ecology Resources*. 21:2350-2363 *8 citations. First author: analysed data, developed simulations, established the collaboration, co-wrote.*

doi: [10.1111/1755-0998.13442](https://doi.org/10.1111/1755-0998.13442)

Leigh DM, Schefer C, Cornejo C (2020) Determining the Suitability of MinION's Direct RNA and DNA Amplicon Sequencing for Viral Subtype Identification.

Viruses 12:801

doi: [10.3390/v12080801](https://doi.org/10.3390/v12080801)

Corresponding author

IF = 7.090

12 citations. First author, wrote paper, conducted bioinformatics.

Corresponding author

IF=5.048

Leigh DM, Hendry A, Vazquez-Domínguez E, Friesen V (2019) Estimated six percent loss of genetic variation in wild populations since the industrial revolution.

Evolutionary Applications 12:1505-1512

doi: [10.1111/eva.12810](https://doi.org/10.1111/eva.12810)

147 citations. **Wiley top accessed paper in 2019 and 2020.** Cover article. Cited in the IPBES 2019 Global Summary for Policy Makers. *Evolutionary Applications* top 20 Altmetric score in 2019.

First author, wrote the paper, performed literature review and statistical analyses.

Corresponding author

IF= 5.183

Leigh DM, Lischer HEL, Grossen C, Keller LF. (2018) Batch effects in a multi-year sequencing study: False biological trends due to changes in read lengths.

Molecular Ecology Resources 18:778-788

doi: [10.1111/1755-0998.12779](https://doi.org/10.1111/1755-0998.12779)

38 citations. First author, co-wrote the paper and conducted the analysis.

Corresponding author

IF=7.090

Leigh DM, and Smallegange I. (2014) Effects of variation in nutrition on male morph development in the bulb mite *Rhizoglyphus robini*.

Experimental and Applied Acarology 64:159-170.

doi: [10.1007/s10493-014-9822-y](https://doi.org/10.1007/s10493-014-9822-y)

13 citations. First author, wrote the paper, designed the experiment and conducted the analyses.

IF=2.132

Mäenpää M, Andrews CP, Collette D, **Leigh DM**, Smiseth PT (2014) Burying Beetle Larvae Discriminate Between Individual Parents and Between Some Classes of Adults. *Ethology* 121:395-402.

doi: [10.1111/eth.12348](https://doi.org/10.1111/eth.12348)

12 citations. Middle-author. Designed initial experiment, collected a subsample of the data and commented on text.

IF=1.897

Leigh DM, and Smiseth P (2012) Parent–Offspring Conflict over the Transition to Independence in *Nicrophorus vespilloides*: Parental Chemical Cues and Offspring Begging.

Ethology 118:460-465.

doi: [10.1111/j.1439-0310.2012.02032.x](https://doi.org/10.1111/j.1439-0310.2012.02032.x)

12 citations. First author. Initiated and designed the experiment. Wrote the paper and conducted data analyses.

IF=1.897

Peer-reviewed books/monographs/reports

Lead Authors: Brauman KA, Garibaldi LA, Polasky S, Zayas C, Aumeeruddy-Thomas Y, Brancalion P, DeClerck F, Mastrangelo M, Nkongolo N, Palang H, Shannon L, Shrestha UB, Verma M.

676 citations. Contributed to the sections on the status and importance of genetic diversity.

Contributing Authors: Adams C, Andersson GKS, Arkema K, Babai D, Brett B, Munari LC, Chaplin-Kramer R, Cooper D, De Meester L, Dee L, Faith D, Friesen V, Golden C, Guillemot J, Gurr G, Heinemann A, Hendry A, Horgan F, Jacob U, Karp D, Khan A, Krug C, Labeyrie V, Lauer M, **Leigh DM**, Meli P, Mirus B, Molnár Z, Mueller N, Muhaimed AS, Niamir A, O'Rourke M, Mendez NP, Purvis A, Price O, Romanelli C, Salpeteur M, Seufert V, Samakov, Strombom E. (2019). Chapter 2.3. Status and Trends – Nature's Contributions to People (NCP).

In: Global assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. Brondízio ES, Settele J, Díaz S, Ngo HT. (eds). IPBES secretariat, Bonn, Germany.

doi: [10.5281/zenodo.3832035](https://doi.org/10.5281/zenodo.3832035)

Biebach I, **Leigh DM**, Sluzek K, and Keller LF. (2016) Genetic Issues in Reintroduction. In: Reintroduction of Fish and Wildlife populations. (eds) Jachowski DS, Millsaugh JJ, Angermeier PL, Slotow R. USA: UC Press.

49 citations (book cited as a whole 36 times). Wrote sections on captive breeding and studying local adaptation. Commented on text throughout.

Other artefacts with documented use

Data from: Estimated six percent loss of genetic variation in wild populations since the industrial revolution. [doi:doi.org/10.5061/dryad.8c4c359](https://doi.org/10.5061/dryad.8c4c359) Downloaded 62 times, 1 citation.

Genome assembly: Common Eider duck (*Somateria mollissima*). Ncbi: JASAOJ0000000000; BioSample SAMN33591075. Uploaded: 04/2023. Currently in use by 2 projects.