REBEKAH A. OOMEN

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RESEARCH INTERESTS

Organismal and population responses to environmental change; genomic basis of plasticity and adaptation; divergence with gene flow; structural genomic variation; reaction norm evolution; sexual selection; marine ecology; behaviour; bioinformatics; bioacoustics; conservation; artificial intelligence; sound art

EMPLOYMENT

2025-	Associate Professor of Biological Sciences, University of New Brunswick Saint John
2023-2025	Assistant Professor of Biological Sciences, University of New Brunswick Saint John
2023-	Researcher, Tjärnö Marine Lab, Department of Marine Sciences, University of Gothenburg
2023-2026	Researcher, Centre for Ecological & Evolutionary Synthesis and the Natural History Museum, University of Oslo
2022-2023	NSERC Postdoctoral Research Fellow, Centre for Coastal Research, University of Agder
2022-2023	Researcher & Adviser, Centre for Ecological & Evolutionary Synthesis and the Natural History Museum, University of Oslo
2021-	Affiliate Researcher, Centre for Artificial Intelligence Research, University of Agder
2020-	Researcher II, Centre for Coastal Research, University of Agder
2019-2022	James S. McDonnell Foundation Postdoctoral Research Fellow in Understanding Dynamic and Multi-scale Systems, Centre for Ecological & Evolutionary Synthesis, University of Oslo
2019	Researcher, Norwegian Sequencing Centre, University of Oslo

EDUCATION

2013-2019	PhD, Ecology & Evolution, Dalhousie University (Supervisor: Dr. Jeff Hutchings)
2011-2012	MSc, Ecology & Evolution, Dalhousie University (Supervisor: Dr. Jeff Hutchings)
2006-2010	BScFS (Honours), Forensic Science, Trent University (Supervisor: Dr. Chris Kyle)

SELECT AWARDS & HONOURS

2025	Sidnie Manton Award, British Ecological Society (international)
2023	Early Career Award, Canadian Society for Ecology & Evolution (national; 1,700 CAD)
2023	Crafoord Grant, The Royal Swedish Academy of Sciences & Crafoord Fund (300,000 SEK)
2022	Communication of Science Prize, Institute of Biosciences, University of Oslo (10,000 NOK)
2023-2026	Swedish Research Council (VR) Starting Grant (international; 4 million SEK)
2021-2023	BAR International Artist-in-Residence, Pikene på Broen, Kirkenes, Norway
2020	Top Dissertation in the Department of Biology, Dalhousie University
2019-2022	James S. McDonnell Foundation Postdoctoral Fellowship (international; 200,000 USD)

PUBLICATIONS

PEER REVIEWED

($N_{published}$ = 47, h-index = 18, citations > 2200 [Google Scholar]) †indicates mentee co-author

Preprints / in review / in revision

58. Aguado-Ramsay, P, F Lara, C de Guttry, C Bortoluzzi, M Conejero, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, Genoscope Sequencing Technical Team, A Moussy, C Cruaud, K Labadie, L Demirdjian, E Téodori, P Wincker, PH Oliveira, J-M Aury, & I Draper [2026; in review]. ERGA-BGE reference genome: *Orthotrichum diaphanum* – a globally widespread epiphytic moss common in Europe. *Open Research Europe*.

57. Manzano-Marín, A, C Grosser, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, Wellcome Sanger Institute Tree of Life Management: Samples and Laboratory Team, Wellcome Sanger Institute Scientific Operations: Sequencing Operations, Wellcome Sanger Tree of Life Core Informatics Team, C Howard, K Howe, M Blaxter, S McCarthy, JMD Wood, F Martin, L Haggerty, & C Bortoluzzi [2026; in review]. ERGA-BGE reference genome of *Placobdella costata*: an ectoparasitic glossiphoniid leech of freshwater turtles with a Palearctic distribution. *Open Research Europe*.

56. Formenti, G, DE Absolon, LAL Abueg, ..., & the Vertebrate Genomes Project Consortium Phase I* [2026; submitted]. The Vertebrate Genomes Project Phase I: A global reference genome resource. *bioRxiv*. https://doi.org/10.64898/2026.06.24.732306 **Named author in extended author list.*

55. Nyíri, VT, G Sramkó, T Cserkész, L Szatmári, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, J Melo-Ferreira, J Pimenta, M Gut, L Aguilera, FC Ferreira, F Cruz, J Gomez-Garrido, TS Alioto, F Martin, S Sinha, L Haggerty, & C Bortoluzzi [2026; in review]. ERGA-BGE reference genome of the European hamster (*Cricetus cricetus*), an IUCN critically endangered species of the Eurasian steppe. *Open Research Europe*. https://doi.org/10.12688/openreseurope.23911.1

54. Maurstad, M, D Kusy, EAB Undheim, KS Jakobsen, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, I Bunikis, C Tellgren-Roth, J Heintz, S Häggqvist, L Jonsäll, N Lager, T Larva, M-B Mosbech, M Pippel, OV Pettersson, & C Bortoluzzi [2026; in review]. ERGA-BGE reference genome of *Osmylus fulvicephalus,* the giant stream lacewing, Europe's representative of the family *Osmylidae*. *Open Research Europe*. https://doi.org/10.12688/openreseurope.23457.1

53. Koureas, D, P Beja, M Blaxter, …, **RA Oomen**, …, & R Waterhouse (69 authors) [2026; in review]. Biodiversity Genomics Europe (BGE) Project – Abridged Grant Proposal. *Research Ideas and Outcomes*, 12: e187550. https://doi.org/10.3897/rio.12.e187550

52. Galià-Camps C, M Pontes, T Marcussen†, TH Struck, **RA Oomen**, A Böhne, R Monteiro, L Aguilera, M Gut, FC Ferreira, F Cruz, J Gómez-Garrido, TS Alioto, & D De Panis [2025]. ERGA-BGE Reference Genome of *Phyllidia flava* (Nudibranchia: Phyllidiidae), a Relict Species Endemic to the Mediterranean Sea. *bioRxiv*. https://doi.org/10.1101/2025.01.14.632929

51. Vila, M, L Torrado-Blanco, N Ryrholm, D Romero-Pedreira, M Conejero, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, L Aguilera, M Gut, FC Ferreira, FC Rodriguez, J Gomez-Garrido, TS Alioto, & C Bortoluzzi [2025]. ERGA-BGE genome of *Erebia palarica* Chapman, 1905: a montane butterfly endemic to North-West Spain. *biorXiv*. https://doi.org/10.1101/2025.01.08.631636

50. Lozano-Fernandez, J, M Domènech, A Ibos, T Marcussen†, TH Struck, **RA Oomen**, A Böhne, R Monteiro, L Aguilera, M Gut, FC Ferreira, F Cruz, J Gómez-Garrido, TS Alioto, & D de Panis [2024]. ERGA-BGE Reference Genome of *Gluvia dorsalis*: An Endemic Sun Spider from Iberian Arid Regions. *biorXiv*. https://doi.org/10.1101/2024.12.02.626363

49. **Oomen, RA**, H Knutsen, EM Olsen, S Jentoft, NC Stenseth, & JA Hutchings [2022; revision requested]. Comparison of *de novo* and reference genome-based transcriptome assembly pipelines for

differential expression analysis of RNA sequencing data. *BMC Research Notes* [ID: RESN-S-18-01771]. Preprint: https://doi.org/10.1101/2022.08.20.504634

48. **Oomen, RA**, E Juliussen†, EM Olsen, H Knutsen, S Jentoft, & JA Hutchings [2021; second revision requested]. Cryptic microgeographic variation in responses of larval Atlantic cod to warming. *Evolutionary Applications* [ID: EVA-2021-004-OA]. Preprint: https://doi.org/10.1101/2021.02.03.429645

Published / accepted

47. Obiol, JF, D Rubolini, JR Paris, F Giannelli, D Gonçalves, P Andrade, B Rodríguez, A Tedeschi, M Sorrenti, C Natali, M Sozzoni, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, MA Diroma, C Ciofi, C Howard, M Blaxter, Wellcome Sanger Institute Tree of Life Management: Samples and Laboratory Team, Wellcome Sanger Institute Scientific Operations: Sequencing Operations, & C Bortoluzzi. 2026. ERGA-BGE reference genome of the Eurasian Woodcock (*Scolopax rusticola*), a game bird species with isolated populations of conservation interest. *Open Research Europe*. doi:10.12688/openreseurope.23370.1

46. Krohman, R†, S Henriksson†, EM Olsen, H Knutsen, & **RA Oomen**. 2026. Chromosomal inversions may assist acute salinity and temperature adaptation in Atlantic cod eggs. *Journal of Evolutionary Biology*, voag051. doi:10.1093/jeb/voag051

45. Salces-Ortiz, J, K Eleftheriadi, FÁ Fernandez-Álvarez, Rosa Fernández, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, M Gut, L Aguilera, FC Ferreira, F Cruz, J Gómez-Garrido, TS Alioto, F Martin, A Lazar, L Haggerty, C Bortoluzzi. 2026. ERGA-BGE reference genome of *Phorcus turbinatus* – a water quality biomarker and species distributed along the Mediterranean coast. *Open Research Europe*. doi:10.12688/openreseurope.23162.1

44. Struck, TH, T Marcussen†, A Böhne, R Fernández, J Melo-Ferreira, I Florent, C Gissi, C de Guttry, JA Leonard, S McTaggart, C Mazzoni, R Monteiro, OV Pettersson, J Pimenta, J Pohjoismäki, K Reichel, A Tarieiev, & **RA Oomen**. 2026. An automated decision-making procedure for ranking and selecting species in biodiversity projects. *npj Biodiversity*. doi:10.1038/s44185-026-00140-x

43. Krohman, R†, S Henriksson†, EM Olsen, H Knutsen, & **RA Oomen**. 2026. Atlantic cod (*Gadus morhua*) ecotypes, not inversion frequencies, underlie divergence in egg buoyancy. *Journal of Heredity*, esag042. doi:10.1093/jhered/esag042

42. Fraser, B, C Gasparini, F Santi, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, Wellcome Sanger Institute Tree of Life Management, Samples and Laboratory Team, Wellcome Sanger Institute Scientific Operations: Sequencing Operations, Wellcome Sanger Institute Tree of Life Core Informatics Team, A Denton, C Howard, K Howe, M Blaxter, S McCarthy, JMD Wood, F Martin, S Sinha, L Haggerty, & C Bortoluzzi. 2026. ERGA-BGE reference genome of *Gambusia holbrooki,* a globally invasive freshwater fish. *Open Research Europe*. doi:10.12688/openreseurope.22693.1

41. Taboada, S, C Gracia-Sancha, C Galià-Camps, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, M Gut, L Aguilera, FC Ferreira, F Cruz, J Gómez-Garrido, TS Alioto, F Martin, A Lazar, L Haggerty, C Bortoluzzi. 2026. ERGA-BGE reference genome of *Xylophaga dorsalis* – a common deep-sea wood-boring bivalve with Atlantic-Mediterranean distribution. *Open Research Europe*. doi:10.12688/openreseurope.22692.1

40. Novo, M, DF Marchán, S Gérard, AM Navarro, R Monteiro, A Böhne, T Marcussen†, TH Struck, **RA Oomen**, L Aguilera, M Gut, FC Ferreira, J Gómez-Garrido, F Cruz, T Alioto, A Lazar, L Haggerty, F Martin, & T Brown. 2026. ERGA-BGE Genome of *Ailoscolex lacteospumosus* Bouché, 1969 – the enigmatic milky worm endemic to the Pyrenees. *Open Research Europe*. doi:10.12688/openreseurope.22136.1

39. Stuart, KC, **RA Oomen**, A Tigano, M Wellenreuther, J Wold, DL Field, & C Mérot. 2026. A beginner's guide to structural variants in eco-evolutionary population genomics. *Molecular Ecology*, 35:e70216. doi:10.1111/mec.70216

38. Reichel, K*, J Pohjoismäki*, JJ Astrin, …, **RA Oomen**, ..., & C de Guttry (32 authors). 2026. Addressing key challenges in sample handling for high-quality reference genome generation. *Molecular Ecology Resources*, 26:e70100. doi:10.1111/1755-0998.70100 **contributed equally*

37. Manzano-Marín, A, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, Wellcome Sanger Institute Tree of Life Management, Samples and Laboratory Team, Wellcome Sanger Institute Scientific Operations: Sequencing Operations, Wellcome Sanger Institute Tree of Life Core Informatics Team, C Howard, K Howe, M Blaxter, S McCarthy, JMD Wood, F Martin, A Lazar, L Haggerty, & C Bortoluzzi. 2025. ERGA-BGE reference genome of *Hirudo verbana,* a once neglected freshwater haematophagous European medicinal leech. *Open Research Europe*. doi:10.12688/openreseurope.21672.1

36. Tomasello, S, E Manzo, R Monteiro, A Böhne, T Marcussen†, TH Struck, **RA Oomen**, Genoscope Sequencing Team, A Moussy, C Cruaud, K Labadie, L Demirdjian, A N'dar, P Wincker, PH Oliveira, J-M Aury, VPB Enriquez, L Haggerty, F Martin, & T Brown. 2025. ERGA-BGE genome of *Xanthium orientale* subsp. *italicum* (Moretti) Greuter. A plant of American origin, now widespread and, in some cases, invasive in Europe. *Open Research Europe*. doi:10.12688/openreseurope.21891.1

35. Lavergne S, A Rosa, C Peng, R Monteiro, A Böhne, T Marcussen†, TH Struck, **RA Oomen**, Genoscope Sequencing Team, A Moussy, C Cruaud, K Labadie, E Téodori, L Demirdjian, P Wincker, PH Oliveira, J-M Aury, & T Brown. 2025. ERGA-BGE genome of *Androsace saussurei* Dentant, Lavergne, F. C. Boucher & S. Ibanez, a recently described plant from the rooftops of Europe. *Open Research Europe*. doi:10.12688/openreseurope.21922.1

34. Aguado-Ramsay, P, F Lara, I Draper, M Conejero, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, Genoscope Sequencing Team, A Moussy, C Cruaud, K Labadie, L Demirdjian, E Téodori, P Wincker, PH Oliveira, J-M Aury, & C Bortoluzzi. 2025. ERGA-BGE reference genome of *Lewinskya acuminata,* a common epiphytic Mediterranean moss with disjunct populations in California and Ethiopia. *Open Research Europe*. doi:10.12688/openreseurope.21670.1

33. Faria, R, RN Vilela, FP Lima, R Monteiro, A Böhne, T Marcussen†, TH Struck, **RA Oomen**, M Gut, L Aguilera, T Alioto, FC Ferreira, J Gómez-Garrido, F Cruz, A Lazar, L Haggerty, F Martin, & T Brown. 2025. ERGA-BGE genome of *Patella rustica* Linnaeus, 1758: a resource to investigate responses to global warming in the intertidal. *Open Research Europe*. doi:10.12688/openreseurope.21608.1

32. Aurelle, D, D Guillemain, F Zuberer, D Malengros, A Böhne, R Monteiro, T Marcussen†, TH Struck, **RA Oomen**, Genoscope Sequencing Team, A Moussy, C Cruaud, K Labadie, L Demirdjian, C Belser, P Wincker, PH Oliveira, J-M Aury, & C Bortoluzzi. 2025. ERGA-BGE reference genome of *Eunicella cavolini,* an IUCN Near Threatened Gorgonian of the Mediterranean Sea. *Open Research Europe*. doi:10.12688/openreseurope.21514.1

31. Wellenreuther M, **RA Oomen**, K Young Han, R Krohman†, & TBH Reusch. 2025. Beyond supergenes: inversions' diverse roles in trait evolution. *Trends in Ecology & Evolution*, 40:1054-1065. doi:10.1016/j.tree.2025.08.004

30. Lopes RJ, A Böhne, T Marcussen†, **RA Oomen**, TH Struck, L Aguilera, M Gut, FC Ferreira, F Cruz, J Gómez-Garrido, TS Alioto, & R Monteiro. 2025. ERGA-BGE reference genome of the Azores Bullfinch – *Pyrrhula murina* Godman, 1866: an IUCN Vulnerable Species endemic to a single island in the Azores Archipelago (Portugal). *Open Research Europe*. doi:10.12688/openreseurope.20666.1

29. Hausdorf B, E Tapia, R Monteiro, A Böhne, T Marcussen†, TH Struck, **RA Oomen**, Wellcome Sanger Institute Tree of Life Management, Samples and Laboratory team, Wellcome Sanger Institute

Scientific Operations: Sequencing Operations, Wellcome Sanger Institute Tree of Life Core Informatics team, L Haggerty, F Martin, & T Brown. 2025. ERGA-BGE genome of *Anisus vorticulus* (Troschel, 1834): the Lesser Ramshorn Snail, an endangered freshwater snail protected under the EU's Habitats and Species Directive. *Open Research Europe*. doi:10.12688/openreseurope.20499.1

28. Vila, M, N Mari-Mena, R Vila, A Riesgo, D Garcia-Souto, C Lopez-Vaamonde, A Böhne, R Monteiro, T Marcussen†, **RA Oomen**, TH Struck, M Gut, L Aguilera, FC Ferreira, FC Rodriguez, J Gomez-Garrido, TS Alioto, & C Bortoluzzi. 2025. ERGA-BGE genome of the Spanish Moon Moth *Actias isabellae* Graells, 1849: a nocturnal lepidopteran protected by the Habitats Directive. *Open Research Europe*. doi:10.12688/openreseurope.20658.2
27. **Oomen, RA**, A Cariani, L Chavarie, A Leone, A Vella, N Vella, G Hellström, T Brodin, A Sundelöf, M Blaxter, AM Mc Cartney, G Formenti, A Mouton, F Tinti, F Garibaldi, & P Lundberg. 2025. The genome sequence of Atlantic Bluefin Tuna, *Thunnus thynnus* (Linnaeus, 1758). *Wellcome Open* Research. doi:10.12688/wellcomeopenres.23971.1
26. Mc Cartney, AM, G Formenti, A Mouton, …, **RA Oomen**, ..., & M Pippel (164 authors). 2024. The European Reference Genome Atlas: piloting a decentralised approach to equitable biodiversity genomics. *npj Biodiversity*, 3:28. doi:10.1038/s44185-024-00054-6
25. Böhne, A*, R Fernández*, J Leonard*, AM Mc Cartney*, S McTaggart*, J Melo-Ferreira*, R Monteiro*, **RA Oomen***, OV Pettersson*, TH Struck*. 2024. Contextualising samples: Supporting reference genomes for European biodiversity through sample and associated metadata data collection. *npj Biodiversity*, 3:26. doi:10.1038/s44185-024-00053-7 **contributed equally*
24. Norderhaug, KJ, H Knutsen, K Filbee-Dexter, M Sodeland, PE Jorde, T Wernberg, **RA Oomen**, & E Moland. 2024. The International Union for Conservation of Nature Red List does not account for intraspecific diversity. *ICES Journal of Marine Science*, fsae039. doi:10.1093/icesjms/fsae039
23. Kao, AB, AK Hund, FP Santos, J-G Young, D Bhat, J Garland, **RA Oomen**, & HF McCreery. 2023. Opposing responses to scarcity emerge from functionally unique sociality drivers. *The American Naturalist*, 202:302-321. doi:10.1086/725426
22. Theissinger K, G Formenti, C Fernandes, ..., **RA Oomen***, ..., & J Höglund (25 authors + European Reference Genome Atlas [ERGA] Consortium). 2023. How genomics can help biodiversity conservation. *Trends in Genetics*, 39:545-559. doi:10.1016/j.tig.2023.01.005 **middle 21 authors contributed equally*
21. **Oomen, RA**, H Knutsen, EM Olsen, S Jentoft, NC Stenseth, & JA Hutchings. 2022. Warming accelerates the onset of the molecular stress response and increases mortality of larval Atlantic cod. *Integrative and Comparative Biology*, 62:1784-1801. doi:10.1093/icb/icac145
20. **Oomen, RA** & JA Hutchings. 2022. Genomic reaction norms inform predictions of plastic and adaptive responses to climate change. *Journal of Animal Ecology*, 91:1073-1087. doi:10.1111/1365-2656.13707 *Invited* *Faculty Opinions Recommended* *Sidnie Manton Award winner*
19. Rasmussen JH†, M Moyano, L Fuiman, & **RA Oomen**. 2022. FishSizer: Software solution for efficiently measuring larval fish size. *Ecology & Evolution*, 12:e8672. doi:10.1002/ece3.8672
18. Goodwin M*, KT Halvorsen*, L Jiao*, KM Knausgård*, AH Martin*, M Moyano*, **RA Oomen***‡, JH Rasmussen*†, TK Sørdalen*, & SH Thorbjørnsen*. 2022. Unlocking the potential of deep learning for marine ecology: overview, applications, and outlook. *ICES Journal of Marine Science*, fsab255. doi:10.1093/icesjms/fsab255 **contributed equally ‡corresponding*
17. Formenti, G, K Theissinger, C Fernandes, ..., **RA Oomen***, ..., & M Bálint (25 authors + European Reference Genome Atlas [ERGA] Consortium). 2022. The era of reference genomes in conservation genomics. *Trends in Ecology & Evolution*, 37:197-202. doi:10.1016/j.tree.2021.11.008 **middle 21 authors contributed equally*

16. Wolf, JF†, L MacKay*, SE Haworth*, ML Cossette*, MN Dedato*, KB Young*, CI Elliott*, & **RA Oomen**. 2021. Preprinting is positively associated with early career researcher status in ecology and evolution. *Ecology & Evolution*, 11:13624-13632. doi:10.1002/ece3.8106 **contributed equally*
15. Raatikainen, KJ, J Purhonen, T Pohjanmies, M Peura, …, **RA Oomen***, …, J Ziemacki* (31 authors). 2021. Pathways towards a sustainable future envisioned by early-career conservation researchers. *Conservation Science and Practice*, 3:e493. doi:10.1111/csp2.493 **last 24 authors contributed equally*
14. Deininger, A, AH Martin, JC Pardo, PR Berg*, J Bhardwaj*, D Catarino*, A Fernandez-Chacon*, K Martinez-Swatson*, K Ono*, **RA Oomen***, M Sodeland*, TK Sørdalen*, A-E Synnes*, SH Thorbjørnsen*, & J Thormar*. 2021. Coastal research seen through an early career lens – a perspective on barriers to interdisciplinarity in Norway. *Frontiers in Marine Science*, 8:634999. doi:10.3389/fmars.2021.634999 **contributed equally*
13. **Oomen, RA** & JA Hutchings. "Evolution of Reaction Norms." In *Oxford Bibliographies* in Evolutionary Biology. Ed. D Futuyma. New York: Oxford University Press, October 28, 2020. doi:10.1093/OBO/9780199941728-0130 *Commission*
12. **Oomen, RA**, A Kuparinen, & JA Hutchings. 2020. Consequences of single-locus and tightly linked genomic architectures for evolutionary responses to environmental change. *Journal of Heredity*, 111:319-332. doi:10.1093/jhered/esaa020 *Editor's Choice* & *High-impact Article (Most Read)*
11. Mérot, C*, **RA Oomen***, A Tigano*, & M Wellenreuther*. 2020. A roadmap for understanding the evolutionary significance of structural genomic variation. *Trends in Ecology & Evolution*, 35:561-572. doi:10.1016/j.tree.2020.03.002 **contributed equally* *Featured Article*
10. Roney, NE, **RA Oomen**, H Knutsen, EM Olsen, & JA Hutchings. 2018. Fine-scale population differences in Atlantic cod reproductive success: a potential mechanism for ecological speciation in a marine fish. *Ecology & Evolution*, 8:11634-11644. doi:10.1002/ece3.4615
9. Roney, NE, **RA Oomen**, H Knutsen, EM Olsen, & JA Hutchings. 2017. Temporal variability in offspring quality and individual reproductive output in a broadcast-spawning marine fish. *ICES Journal of Marine Science*, 75:1353-1361. doi:10.1093/icesjms/fsx232
8. **Oomen, RA** & JA Hutchings. 2017. Transcriptomic responses to environmental change in fishes: insights from RNA sequencing. *FACETS*, 2:610–641. doi:10.1139/facets-2017-0015
7. **Oomen, RA** & JA Hutchings. 2016. Genetic variation in plasticity of life-history traits between Atlantic cod (*Gadus morhua*) populations exposed to contrasting thermal regimes. *Canadian Journal of Zoology*, 94:257-264. doi:10.1139/cjz-2015-0186
6. Kuparinen, A, NE Roney, **RA Oomen**, JA Hutchings, & EM Olsen. 2015. Small-scale life history variability suggests potential for spatial mismatches in Atlantic cod management units. *ICES Journal of Marine Science*, 73:286-292. doi:10.1093/icesjms/fsv181
5. **Oomen, RA** & JA Hutchings. 2015. Genetic variability in reaction norms in fishes. *Environmental Reviews*, 23:353-366. doi:10.1139/er-2014-0077
4. **Oomen, RA** & JA Hutchings. 2015. Variation in spawning time promotes genetic variability in population responses to environmental change in a marine fish. *Conservation Physiology*, 3:1-12. doi:10.1093/conphys/cov027
3. **Oomen, RA**, RM Gillett, & CJ Kyle. 2013. Comparison of 454 pyrosequencing methods for characterizing the major histocompatibility complex of nonmodel species and the advantages of ultra deep coverage. *Molecular Ecology Resources*, 13:103-116. doi:10.1111/1755-0998.12027
2. **Oomen, RA**, MW Reudink, JJ Nocera, CM Somers, MC Green, & CJ Kyle. 2011. Mitochondrial evidence for panmixia despite perceived barriers to gene flow in a widely distributed waterbird. *Journal of Heredity*, 102:584-592. doi:10.1093/jhered/esr055 *Cover article*

1. Reudink, MW, CJ Kyle, JJ Nocera, **RA Oomen**, MC Green, & CM Somers. 2011. Panmixia on a continental scale in a widely distributed colonial waterbird. *Biological Journal of the Linnean Society*, 102:583-592. doi:10.1111/j.1095-8312.2010.01608.x

POLICIES & TECHNICAL REPORTS

9. Pimenta, J, J Melo-Ferreira, R Waterhouse, C de Guttry, C Mazzoni, R Monteiro, A Böhne, **RA Oomen**, L Andersson, MJ Ruiz-Lópes. 2026. Developed genomics application toolkits D11.3 EU Horizon Europe BGE Project, Grant Agreement No 101059492. CIBIO-BIOPOLIS.
8. Fleming, JF, F Ghiselli, J Leonard, **RA Oomen**, L Lukic Bilela, C Bortoluzzi, & C de Guttry. 2026. ERGA Social Justice Positioning Statement. https://www.erga-biodiversity.eu/post/erga-social-justice-positioning-statement
7. de Guttry, C, S Correard, A Mc Cartney, JA Leonard, A Hartman Scholz, **RA Oomen**, CJ Mazzoni, & RM Waterhouse. 2025. What do biodiversity genomics researchers need to know about "Digital Sequence Information"? An information brief and the ERGA position. Zenodo. https://doi.org/10.5281/zenodo.16794203
6. Marcussen, T†, **RA Oomen**, TH Struck. 2025. Material for genome sequencing critical European biodiversity D5.5 EU Horizon Europe BGE Project, Grant Agreement No 101059492. University of Oslo.
5. Struck, TH, **RA Oomen**, R Fernandez, A Böhne, R Monteiro, T Marcussen†. 2024. Submission of material for DNA extraction to sequencing centre and of frozen voucher material to biobank for 50% of species MS5.5a EU Horizon Europe BGE Project, Grant Agreement No 101059492. University of Oslo.
4. de Guttry, C, T Brown, P Harrison, M Muffato, JA Leonard, J Pauperio, K Reichel, N Juty, A Mouton, S Paez, **RA Oomen**, C Stauton, A Mc Cartney, E Buzan, C Bortoluzzi, & RM Waterhouse. 2023. ERGA Open Data Policy (v0.0.5 - 2023.11.21) (v0.0.5 - 20231121). Zenodo. https://doi.org/10.5281/zenodo.10785625
3. Struck, TH, **RA Oomen**, T Marcussen†. 2023. Species prioritisation for genome sequencing D5.1 EU Horizon Europe BGE Project, Grant Agreement No 101059492. 14. University of Oslo.
2. Struck, TH, **RA Oomen**, T Marcussen†. 2023. Identification of gaps in available reference genomes for European biodiversity and development of species prioritisation guidelines for genome sequencing MS5.1b EU Horizon Europe BGE Project, Grant Agreement No 101059492. 54. University of Oslo.
1. Struck, TH, **RA Oomen**, T Marcussen†. 2023. Prioritisation guidelines for the wider community D5.7 EU Horizon Europe BGE Project, Grant Agreement No 101059492. 34. University of Oslo.

NON-PEER REVIEWED

7. da Cruz Albino R, MA Brimble, C Zdenek, K Vandenbroeck, S Masud, X Zhang, M Cosentino, A Gupta, R Abdul-Ghani, C Gerarduzzi, P Jackson, **RA Oomen**, B Servais, A Manjunatha, N Bulthuis, C Romero-Molina, D Teng, A Kosanic, D de Angeli Dutra, D Alekkou, AM Venturini, E Virguez, & AE Obasa. 2024. Preventing bad behaviour in academia. *Science*, 385(6704):22-24. https://www.science.org/doi/10.1126/science.adr0734
6. Lien, A, MØ Nygård, AT Laugen, A Lie, A Slettan, BS Johansen, ..., **RA Oomen**, ..., YA Olsen [33 authors]. Utbygging vil ødelegge for biologisk mangfold på campus Gimlemoen ('Development will destroy biodiversity on campus Gimlemoen'). *Fædrelandsvennen* (regional newspaper), 26/06/2023. https://www.fvn.no/mening/debattinnlegg/i/O8X2zO/utbygging-vil-oedelegge-for-biologisk-mangfold-paa-campus-gimlemoen

5. **Oomen, RA**, H Knutsen, E Moland, EM Olsen, JA Knutsen, L Bernatchez, NC Stenseth, & P Hart. 2022. Nothing so boundless, nothing so patient: Obituary for Professor Jeffrey Alexander Hutchings (1958-2022). *Fish and Fisheries*, 23:519-521. doi:10.1111/faf.12661
4. **Oomen, RA**, SH Thorbjørnsen, M Goodwin, & NC Stenseth. Sørlandstorsken bruker antakelig sin egen dialekt ('South coast cod probably have their own dialect'). *Agderposten* (Regional newspaper), 05/10/2020. https://www.agderposten.no/meninger/torsken-var-bruker-antakelig-sorlandsdialekt/
3. **Oomen, RA**. What if by overestimating the complexity of the genomic basis of a trait, we're underestimating the complexity of its evolutionary dynamics? *American Genetic Association Blog*, 29/07/2020. http://blog.theaga.org/what-if-by-overestimating-the-complexity-of-the-genomic-basis-of-a-trait-were-underestimating-the-complexity-of-its-evolutionary-dynamics/
2. Baalsrud, HT*, EM Olsen*, **RA Oomen***, & NC Stenseth*. Torskekrisen i Oslofjorden skyldes mer enn bare klimaendringer ('The cod crisis in the Oslo fjord is due to more than just climate change'). *Aftenposten* (Norway's largest newspaper), 12/11/2019. https://www.aftenposten.no/viten/i/pLxOqW/torskekrisen-i-oslofjorden-skyldes-mer-enn-bare-klimaendringer **authors listed alphabetically – Oomen led the initiative*
1. **Oomen, RA**. Decoding how fishes respond to environmental change. *Medium*, 16/08/2017. https://medium.com/facets/decoding-how-fishes-respond-to-environmental-change-ec7dbd02b8a3

INVITED TALKS

INVITED PLENARIES & KEYNOTES

2026 *Colloque de Biologie, Laval University, Québec City, QC, Canada (Keynote)*

2026 *'Applied Evolution Symposium', Penn State University, State College, PA, US*

2023 *Early Career Award, Canadian Society for Ecology & Evolution meeting, Winnipeg, MB, Canada*

2022 *JSMF-SFI Postdocs in Complexity Conference, Santa Fe Institute, NM, US (Keynote)*

2022 *International Symposium on Reference Genomes for Biodiversity, University of Cologne, Germany (Keynote)*

2022 *LUOVA Spring Symposium, University of Helsinki, Finland (Keynote)*

2018 *Oslo Symposium for Genomics, Ecology, and Evolution, Oslo, Norway*

2018 *PhD Award, Canadian Society for Ecology & Evolution meeting, Guelph, ON, Canada*

INVITED SYMPOSIUM PRESENTATIONS

2026 *'Integrating genomics and ecology to study adaptation to global change', Society for Experimental Biology meeting, Florence, Italy*

2024 *'Predicting evolutionary responses in a changing world', Evolution conference, Montreal, QC, Canada*

2024 *'A tribute to Dr. Jeffrey Hutchings', Society of Canadian Aquatic Sciences meeting, Fredericton, NB, Canada*

2022 *'Det Gode Liv // The Sweetness of Living', Barents Spektakel, Kirkenes, Norway [panel]*

2020 *'Fisheries genomics: illuminating the past, present, and future of exploited fish populations', American Fisheries Society meeting, Columbus, OH, US (online due to COVID-19)*

2020 *'The expanding role of "omics" in fisheries management: past, present, and future applications', American Fisheries Society meeting, Columbus, OH, US (online due to COVID-19)*

2019 *'Prediction in the Anthropocene: combining theory and practice', Canadian Society for Ecology & Evolution meeting, Fredericton, NB, Canada*

2019 *'Celebrating Nils Chr. Stenseth's 50 years in science', The Norwegian Academy of Sciences and Letters, Oslo, Norway*

2018 *'Evolutionary Conservation', Canadian Society for Ecology & Evolution meeting, Guelph, ON, Canada*

2018 *'Human impacts on aquatic species and ecosystems', European Congress of Conservation Biology, Jyväskylä, Finland*

2017 *'Bridging the eco-evolutionary gap'*, *Association for the Sciences of Limnology and Oceanography meeting, Honolulu, HI, US*

2008 *Ontario Genomics Institute Summer Fellowship Symposium, The MaRS Centre, Toronto, ON, Canada*

OTHER INVITED TALKS

2026 Ecology Seminar Series, *Penn State University, State College, PA, US*

2025 'Family Saturday' public lecture, *Oslofjord Museum, Vollen, Norway*

2024 Sustainability Conference, *University of New Brunswick, Saint John, NB, Canada*

2024 'Genomic Forecasting' Graduate Seminar Q&A, *University of Vermont, Burlington, VT, US*

2024 SKREI Research Centre (National Cod Museum), *Svolvær, Norway*

2024 Marine Colloquium Seminar, *University of Gothenburg, Tjärnö, Sweden*

2024 Departmental Seminar, *GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany*

2023 Departmental Seminar, *Dalhousie University, Halifax, NS, Canada*

2023 Baltic Sea Festival, *Tekniska Museum, Stockholm, Sweden*

2023 True Northern Arts Festival, *Festspillene i Nord-Norge, Harstad, Norway*

2023 ReCod Meeting, *Ar, Sweden*

2023 Webinar to the SKREI Research Centre (National Cod Museum), *Museum Nord, Norway*

2023 'In Cod We Trust' Transborder Café introduction, *Barents Spektakel, Kirkenes, Norway*

2023 'Dialects of the Deep' Exhibition, *Barents Spektakel, Kirkenes, Norway*

2022 Chewing The Tundra, *Kunsthalle Exnergasse, Vienna, Austria [panel]*

2022 Open Meeting About the Fish that Disappears: 'Torsken i Skagerrak er borte. Hvorfor?', *Langesund Bad, Norway [panel]*

2022 Passion For Ocean Festival, *Arendal, Norway*

2022 Only Connect Festival of Sound Public Lecture, *MUNCH Museum, Oslo, Norway*

2022 Departmental Seminar, *Biology Department, University of New Brunswick Saint John, Canada*

2021 Young Researchers Night*, Teateret, Kristiansand, Norway*

2021 Ultima Oslo Contemporary Music Festival*, Sentralen, Oslo, Norway [panel]*

2021 Galleri ARTendal*, Arendal, Norway*

2021 Arendalsuka*, Arendal, Norway*

2021 Guest lecture in Evolutionary Biology, *University of Agder, Kristiansand, Norway*

2020 Young Researchers Night*, Teateret, Kristiansand, Norway*

2020 Guest lecture in Evolution, *University of Hawai'i, Hilo, HI, US*
2020 Departmental Seminar, *Department of Zoology, Punjabi University, Patiala, India*
2020 JSMF-SFI Postdocs in Complexity Virtual Meeting II, *Santa Fe Institute, Santa Fe, NM, US*
2020 Guest lecture in Evolutionary Biology, *University of Agder, Kristiansand, Norway*
2019 Scientific Advisory Board Meeting, *Centre for Coastal Research, Flødevigen Research Station, His, Norway*
2018 Departmental Seminar, *Dalhousie University, Halifax, NS, Canada*
2013 Seminar, *Flødevigen Research Station, His, Norway*
2013 Guest lecture in Ecology & Evolution of Fishes, *Dalhousie University, Halifax, NS, Canada*
2008 Guest lecture in Introduction to Biology, *York University, Toronto, ON, Canada*

CONTRIBUTED TALKS

CONFERENCE PRESENTATIONS

2025 *Canadian Society for Ecology & Evolution meeting, Sherbrooke, QC, Canada*
2023 *Norwegian Biodiversity & Genomics Conference, Oslo, Norway*
2022 *British Ecological Society Climate Change Genomics Workshop, online*
2021 *Canadian Society for Ecology & Evolution meeting #CSEE2021Tweets*
2021 *Temporal Genomic Twitter Symposium 2021 #TempGenTweets2021*
2020 *Genomic Forecasting Symposium 2020, online due to COVID-19*
2020 *Society for Molecular Biology & Evolution meeting, Québec City, QC, Canada (cancelled due to COVID-19)*
2020 *Evolution in Sweden conference, Tjärnö, Sweden*
2019 *Society for Molecular Biology & Evolution meeting, Manchester, UK*
2019 *International Conference on Fish Telemetry, Arendal, Norway* [poster]
2019 *Society for Molecular Biology & Evolution Speciation Genomics Workshop, Tjärnö, Sweden*
2018 *JSMF-SFI Postdocs in Complexity Conference, Santa Fe, NM, USA*
2018 *Biology Graduate Student Symposium, Halifax, NS, Canada*
2018 *Biology Graduate Student Symposium, Halifax, NS, Canada* [poster] **best poster*
2017 *Centre for Ecological & Evolutionary Synthesis Student Conference, Oslo, Norway* **best talk*
2017 *Canadian Society for Ecology & Evolution meeting, Victoria, BC, Canada*
2017 *Canadian Society for Ecology & Evolution meeting, Victoria, BC, Canada* [poster]
2016 *Centre for Ecological & Evolutionary Synthesis Student Conference, Oslo, Norway*
2016 *Canadian Conference For Fisheries Research, St. John's, NF, Canada*
2015 *Centre for Ecological & Evolutionary Synthesis Student Conference, Oslo, Norway*
2015 *European Marine Biology Symposium. Helgoland, Germany*
2015 *Canadian Conference For Fisheries Research, Ottawa, ON, Canada*
2014 *Centre for Ecological & Evolutionary Synthesis Student Conference, Oslo, Norway*
2013 *Centre for Ecological & Evolutionary Synthesis Student Conference, Oslo, Norway*
2012 *Evolution 2012, Ottawa, ON, Canada*

2012 *Biology Graduate Student Symposium. Halifax, NS, Canada*

2011 *Canadian Society for Ecology & Evolution meeting, Banff, AB, Canada* [poster]

2011 *Biology Graduate Student Symposium, Halifax, NS, Canada*

2010 *Canadian Society for Ecology & Evolution meeting, Québec City, QC, Canada*

2008 *Ontario Genomics Institute Summer Fellowship Symposium, The MaRS Centre, Toronto, ON*

OTHER CONTRIBUTED TALKS

2023 Centre for Marine Evolutionary Biology Spring Assembly*, online*

2022 Centre for Coastal Research Annual Meeting*, Thon Hotel Norge, Kristiansand, Norway*

2021 Centre for Coastal Research Annual Meeting*, Caledonien Hotel, Kristiansand, Norway*

2019 Friday Informal Seminar Hour, *Dalhousie University, Halifax, NS*

2019 Lunch Seminar, *University of Oslo, Oslo, Norway*

2016 Friday Informal Seminar Hour, *Dalhousie University, Halifax, NS*

2016 Lunch Seminar, *Flødevigen Research Station, His, Norway*

2014 Lunch Seminar, *Flødevigen Research Station, His, Norway*

2013 Friday Informal Seminar Hour, *Dalhousie University, Halifax, NS*

FUNDING

Personal funding total = 4.0 million CAD / 27.6 million NOK

RESEARCH

(Funding towards own research programme = 3.6 million CAD / 25.0 million NOK)

2026 Research New Brunswick Student Support Fund [*Sustainable recovery of Atlantic bluefin tuna in New Brunswick*] (PI; 45k CAD)

2025 University of New Brunswick Saint John Student Work Study Program Grant (PI; 750 CAD)

2024-2029 Natural Sciences and Engineering Research Council of Canada Discovery Grant [*The genomic basis of adaptation with gene flow*] (PI; 307,500 CAD)

2024-2026 New Brunswick Innovation Foundation Research Assistantship Initiative [*The genomic basis of migration timing in Atlantic bluefin tuna*] (PI; 45k CAD)

2024 University of New Brunswick Saint John Student Work Study Program Grant (PI; 750 CAD)

2024 Research New Brunswick (Research Partnership matching funds to CFI-JELF)[Title: *Ecology and Conservation of Endangered Species in Coastal and Marine Systems*] (Co-Investigator with Kurt Samways & Kim Davies; 50k CAD total, 50k to R. Oomen)

2023 Canadian Foundation for Innovation John R. Evans Leaders Fund [*Ecology and Conservation of Endangered Species in Coastal and Marine Systems*] (Co-Investigator with Kurt Samways & Kim Davies; 150k CAD total, 75k to R. Oomen)

2023 New Brunswick Innovation Foundation (CFI-JELF Matching Funds) [*Ecology and Conservation of Endangered Species in Coastal and Marine Systems*] (Co-Investigator with Kurt Samways & Kim Davies; 150k CAD, 75k to R. Oomen)

2023 University of New Brunswick Saint John Student Work Study Program Grant (PI; 750 CAD)

2023 New Brunswick Innovation Foundation Talent Recruitment Fund (PI; 55k CAD)

2023 University of New Brunswick Start-up Funds (PI; 15k CAD)

2023 The Royal Swedish Academy of Sciences & Anna-Greta and Holger Crafoord´s Fund Grant (PI; 300,000 SEK)

2023-2027 European Research Council (ERC) Advanced Grant [*FishLEGs*] (Partner [PI: Craig Primmer, U. Helsinki]; 2.5 million EUR total, 10k EUR to R. Oomen)

2022-2026 Swedish Research Council (VR) Starting Grant [*CODTYPES*] (PI; 4 million SEK)

2022-2026 Horizon Europe, Topic HE-CL6-2021-BIODIV-01-01 [*Biodiversity Genomics Europe*] (Partner Lead from University of Oslo [PI: Camila Mazzoni, Leibniz Institute for Zoo and Wildlife Research]; 21M EUR total; 451k EUR to R. Oomen)

2022 James S. McDonnell Foundation Micro Working Group Grant [*CodNet*] (PI; 9,024 USD)

2022-2023 Natural Sciences and Engineering Research Council of Canada (NSERC) Postdoctoral Fellowship (PI; 90,000 CAD)

2020 University of Agder Research Topic Application Training Position (PI; ~3 million NOK)

2020 Centre for Coastal Research Internal Research Funds Competition (PI; 50,000 NOK)

2019-2022 James S. McDonnell Foundation 21st Century Postdoctoral Fellowship in Understanding Dynamic and Multi-scale Systems [*The spatial scale, molecular basis, and demographic consequences of variable responses to environmental change*] (PI; 200,000 USD)

2019-2022 Norwegian Research Council MARINFORSK Project Grant [*CodSize*, No. 294926] (Partner and coauthor [PI: Esben Olsen, IMR]; 8.7 million NOK total, 1.5 million NOK to U. Oslo)

2019 American Genetic Association Evolutionary, Ecological, or Conservation Genomics Research Award (PI; 8,360 USD)

2019 Centre for Coastal Research Internal Research Funds Competition (PI; 100,000 NOK)

2015 Prediction and Observation of the Marine Environment Mobility Grant (PI; 54,000 NOK)

2014-2016 Norwegian Research Council HAVKYST Project Grant [*Genetic variability in population responses of Atlantic cod to environmental change*] (Named PhD student [PI: Jeff Hutchings]; 2.1 million NOK)

2014 Research Council of Norway Leiv Eiriksson Mobility Grant (PI; 365,000 NOK)

2013 Michael Smith Foreign Study Supplement (6000 CAD)

2010 NSERC Undergraduate Student Research Award (4,500 CAD)

2009 NSERC Undergraduate Student Research Award (4,500 CAD)

2009 Northern Scientific Training Grants Program Award (PI; 2,500 CAD)

2008 Ontario Genomics Institute Industry Research Fellowship Award (provincial; 1000 CAD)

TRAVEL & NETWORKING

(Total awarded = 65k CAD / 671k NOK)

2025 Special Topic Network Grant, European Society for Evolutionary Biology [PI: Claire Mérot *et al.*] (30k EUR / 50k CAD)

2023 UiO:Life Science Event Support Grant, University of Oslo (Lead; 50,000 NOK)

2020 Event support grant, Centre for Coastal Research, University of Agder (Lead; 10,000 NOK)

2020 Event support grant, Department of Biosciences, University of Oslo (Lead; 10,000 NOK)

2020 Event support grant, Centre for Ecological & Evolutionary Synthesis (Lead; 10,000 NOK)

2019 Canadian Society for Ecology & Evolution Travel Grant (500 CAD)

2018 Dalhousie Faculty of Graduate Studies Travel Grant (500 CAD)

2017 Robert and Ella Wenzins Endowment (12,000 NOK)

2016 Clemens-Rigler Travel Award (235 CAD)

2015 Clemens-Rigler Travel Award (330 CAD)

2012 Canadian Society for Ecology & Evolution Travel Grant (500 CAD)

ARTISTIC & OUTREACH

(Total awarded = 95k CAD / 592k NOK)

2024-2025 Arts Council of Norway 'Interdisciplinary Event Scheme' (Executive Producer; 150,000 NOK)

2022 Communication of Science Prize, Institute of Biosciences, University of Oslo (10,000 NOK)

2022-2023 Arts Council of Norway 'Interdisciplinary Event Scheme' (Executive Producer; 150,000 NOK)

2022 Arts Council of Norway 'Other Music Measures' (Executive Producer; 80,000 NOK)

2022 Arts Council of Norway 'Visual Art Project Support' (Executive Producer; 70,000 NOK)

2021 Norwegian Research Council MARINFORSK Event Support Grant [*Torsketromming*, No. 329748] (PI; 31,000 NOK)

2019-2021 Arts Council of Norway 'Audio and Visual Fund' (Executive Producer; 100,000 NOK)

2018 Society for Conservation Biology Student Blogging Contest (international; 100 USD)

SCHOLARSHIPS

(Total awarded = 201k CAD / 1.3 million NOK)

2016-2017 Nova Scotia Graduate Scholarship (15,000 CAD)

2014-2016 Killam Predoctoral Scholarship (25,000 CAD)

2013-2015 NSERC Alexander Graham Bell Canada Graduate Scholarship D3 (105,000 CAD)

2013-2015 Dalhousie President's Award (tuition = 26,370 CAD)

2011 Sushi Nami Royale Graduate Scholarship (1,000 CAD)

2010-2011 NSERC Alexander Graham Bell Canada Graduate Scholarship M (17,500 CAD)

2010-2011 Ontario Graduate Scholarship (declined) (15,000 CAD)

2007 J.J. Robinette Scholarship for academic achievement (500 CAD)

2006-2009 Trent National Renewable Scholarship (10,000 CAD)

2006-2009 Queen Elizabeth Aiming for the Top Scholarship (400 CAD)

GRANT PROPOSALS PENDING

(Date of anticipated results is given)

Fall 2026 James S. McDonnell Foundation AI Augmented Complexity Science Award [*Integrating multiple representations of animal behaviour to improve scientific discovery*] (PI; 20,000 USD)

Fall 2026 Horizon Europe, Topic HORIZON-CL6-2026-02-FARM2FORK-08 [*FishLink: From Science to Governance: Key Migratory Fish Life-Cycle Knowledge and Tools Linked to Adaptive and Sustainable Management*] (Partner Lead from University of New Brunswick [PI: Louise Chavarie, Norwegian University of Life Sciences]; 7,555,169 EUR total; 175,621 EUR to R. Oomen)

Summ 2026 Environmental Damages Fund, Environment and Climate Change Canada [*Sustainability of the recovery of Atlantic bluefin tuna fished in the Gaspé Peninsula Region*] (PI; 606,643 CAD)

OTHER AWARDS & HONOURS

2018 Doctoral Research Award, Canadian Society for Ecology & Evolution (national; 500 CAD)

2012	Dalhousie Governors' Award for extracurricular leadership (institutional; 1,200 CAD)
2012	Biology Organization of Graduate Students Outstanding Executive Award (departmental)
2011	Phi Kappa Pi Joe Ghiz Memorial Award for student leadership (institutional; 750 CAD)

TEACHING

2026-	**Course Coordinator**, Research Skills and Perspectives (BIOL6913; MSc/PhD), University of New Brunswick Saint John
2025	**Co-Instructor of Record**, Introductory Ecology (BIOL2585; 2nd year), University of New Brunswick Saint John
2024-2026	Contributing Instructor, Research Skills and Perspectives (BIOL6913; MSc/PhD), University of New Brunswick Saint John [delivered 2 times]
2024-	**Instructor of Record**, Marine Behavioural Ecology (BIOL4445; 4th year), University of New Brunswick Saint John [delivered 2 times]
2023-	**Instructor of Record**, Evolution (BIOL3022; 3rd year), University of New Brunswick Saint John [delivered 4 times]
2023-	**Co-Instructor of Record**, Functional Ecology of Fishes (BIOL3953; 3-4th year; Marine Semester field course), University of New Brunswick Saint John [delivered 2 times]
2020, 2021	Guest lecturer, Evolutionary Biology (1st year), University of Agder
2020	Guest lecturer, Evolution (1st year, 2 lectures), University of Hawai'i at Hilo
2016	**Co-Instructor of Record**, High Throughput Sequencing & Bioinformatics, RNA-sequencing Module (BIOINF5121/9121; MSc/PhD), University of Oslo
2013	Guest lecturer, Ecology & Evolution of Fishes (3rd year), Dalhousie University
2011, 2012	Laboratory demonstrator, Marine Life of Nova Scotia (non-majors), Dalhousie University
2011-2012	Biology tutor, Dalhousie University
2011	Teaching assistant, Genetics & Molecular Biology (2nd year), Dalhousie University
2010	Video demonstrator, Introduction to Forensics (1st year online course), Trent University
2009	Teaching assistant, Vertebrate Zoology (2nd year), Trent University
2009	Forensic Science Enrichment Camp leader (secondary school), Trent University
2008	Guest lecturer, Introduction to Biology (1st year), York University

MENTORING & SUPERVISION

2026-	Supervisor, Samantha Hanauer, PhD thesis, University of New Brunswick
2026-	Supervisor, Elise Maltais, Undergraduate Research Assistant, University of New Brunswick
2025	Supervisor, Bella Trudel, Undergraduate Research Assistant, University of New Brunswick
2024-	Supervisor, Remy Durocher, MSc thesis & Lab Manager, University of New Brunswick
2024-	Supervisor, Iris Jia, PhD thesis, University of New Brunswick
2024-2025	Supervisor, Stephanie Maheux, Undergraduate Research Assistant, Honours thesis, & Lab Manager, University of New Brunswick
2024-2025	Supervisor, Abigail Scher, Undergraduate Research Assistant, Honours thesis, & NSERC Undergraduate Student Research Award (USRA), University of New Brunswick

2024	Supervisor, Safe Abujayyab, Work-study, University of New Brunswick
2024-2025	Supervisor, Rebecca Krohman, MSc thesis, University of New Brunswick
2024-2025	Supervisor, Victoria Tafjord, Undergraduate Research Assistant, University of Agder
2023-	Co-supervisor, Claudia Lacroix, PhD thesis, University of Agder
2023-	Supervisor, Simon Henriksson, PhD thesis, University of Gothenburg
2023-2024	Supervisor, Annika Lie, Research Assistant, University of Agder
2023-2025	Supervisor, Thomas Marcussen, Adviser (Sampling Coordinator), University of Oslo
2023-2025	Co-Supervisor, Giada Ferrari, Head Engineer, Norwegian Sequencing Centre
2021-2023	Supervisor, Annika Lie, MSc thesis, University of Agder
2021-2023	Supervisor, Jeppe Have Rasmussen, Postdoctoral Research Fellow, Centre for Coastal Research, University of Agder (now independent Carlsberg Foundation Fellow)
2021	Supervisor, Emilie Kvåle Sletterød Andersen, BSc thesis, University of Agder
2021	Supervisor, Julie Eriksen, BSc thesis, University of Agder
2021	Co-supervisor, Nora Isnes Johansen, BSc thesis, University of Agder
2021	Co-supervisor, Amalie Godstad, BSc thesis, University of Agder
2021	Supervisor, Fredrick Nicolai Clausen, BSc thesis, University of Agder
2021	Supervisor, Paul Elias Homme, BSc thesis, University of Agder
2020-2021	Co-supervisor, Griet Nobis, MSc thesis, Norwegian University of Life Sciences (now Aquatic Biological Consultant with Bioconsult)
2014-2016	Co-supervisor, Elisabeth Juliussen, MSc thesis, University of Oslo (now Environmental Advisor to the County Governor of Adger)
2013-2015	Co-op supervisor, 5 students*, Institute of Marine Research Flødevigen, Norway
2011-2012	Undergraduate supervisor, Chelsea Boaler, Aquatron Laboratory, Dalhousie University
2011-2012	Undergraduate supervisor, Brianna Mosher, Aquatron Laboratory, Dalhousie University
2009-2010	Co-op mentor, 1 student*, Natural Resources DNA Profiling & Forensic Centre, Trent University

*I do not provide the names of minors due to privacy concerns.

SUPERVISORY COMMITTEES

2026-	Josh Bacon, MSc, University of New Brunswick Saint John
2026-	Evan Berthelot, PhD, University of New Brunswick Saint John
2025-2026	Kerkeslin MacDonald, MSc, University of New Brunswick Saint John
2024-	Daniel Oliker, MSc, University of New Brunswick Saint John
2024-	Peyton Hartenstein, PhD, University of New Brunswick Saint John
2024-2026	Evan Berthelot, MSc, University of New Brunswick Saint John
2023-	Laken Devost, MSc, University of New Brunswick Saint John
2023-	Sarah Harrison, MSc, University of New Brunswick Saint John

EXAMINING COMMITTEES

2026 Kerkeslin MacDonald, MSc Internal Examiner, University of New Brunswick Saint John
2026 Evan Berthelot, MSc Internal Examiner, University of New Brunswick Saint John
2026 João Moreno, PhD External Opponent, University of Lisbon
2026 Quinn Carvey, PhD Internal Examiner, University of New Brunswick Saint John
2025 Peyton Hartenstein, PhD Comprehensive Examiner, University of New Brunswick Saint John
2025 Samantha Crowley, PhD Comprehensive Examiner, Dalhousie University
2025 Michael Williamson, PhD External Examiner, University of Calgary
2024 Jon Mokoroa, MSc Internal Examiner, University of Agder
2024 Sarah Mittank, MSc External Examiner, University of Bergen

PEDAGOGICAL TRAINING

2025 Alternative modes of undergraduate evaluation (seminar/discussion), Science Atlantic
2025 Encouraging healthy use of AI tools (seminar/discussion), Science Atlantic
2025 Mentoring scientific writing efficiently and effectively (workshop), Canadian Society for Ecology & Evolution
2025 Engage your students with Poll Everywhere (workshop), University of New Brunswick
2023 Diploma in University Teaching (seminars, coursework, conference), University of New Brunswick

OUTREACH & ARTISTIC DEVELOPMENT

2025 **Co-creator / Performer**, Skaggerakseilasen Science and Solutions Sail, Kristiansand-Farsund-Copenhagen-Gothenburg-Oslo-Arendal, 9-22/06/25 [interactive sound exhibition]
2023- **Scientific Consultant / Content Creator**, SKREI Museet (National Cod Museum), Norway
2023 **Co-creator / Executive Producer**, *TORSKETROMMING: Dialects of the Deep*
Östersjöfestivalen, Stockholm, 24/08-02/09/23 [workshop, performance, exhibition]
True Northern Arts Festival, Harstad, 24/06-01/07/23 [sound installation, concert]
Barents Spektakel, Kirkenes, 24/02-01/03/23 [lecture, concert, installation, panel] *Headliner*
Tekniska Museet, Stockholm, 11-12/02/23 [interactive workshop/performance]
DKS-LAB: Den kulturelle skolesekken Norge, Kirkenes, 02/23 [children's workshops]
2022 **Co-creator / Executive Producer**, *TORSKETROMMING: Cod Connection*
Chewing The Tundra, Kunsthalle Exnergasse, Vienna, 02/11-17/12/22 [installation, concert]
Biodiversity Genomics 2022, online, 07/10/22 [concert, Q&A]
Øyepå Lofoten International Art Festival (LIAF), Kabelvåg, 22/09/22 [panel]
DKS-LAB: Den kulturelle skolesekken Norge, Kirkenes, 05-08/09/22 [children's workshops]
Passion for Ocean Festivalene, Stavanger, 04/09/22 [talk, performance]
Passion for Ocean Festivalene, Arendal, 27/08/22 [talk, performance, installation]
Torskens Kunstfestival, Torskeholmen, Grimstad, 16/07/22 [performance, installation]
Passion for Ocean Festivalene, Trondheim, 04/06/22 [talk, performance]

	Only Connect Festival, Munch Museum, Oslo, 29-30/04/22 [performance, installation]
	Barents Spektakel, Kirkenes, 26/02/22 [panel & demonstration]
2022	**Artist,** '*TORSKETROMMING*', Barents Spektakel, Kirkenes, Norway [video exhibition]
2022	**Writer / contributor**, UNDERFLATE, SALT Art & Music, 18/08-16/10/22 [exhibition, publication]
2021	**Co-creator / Executive Producer**, *TORSKETROMMING: 2021 TOUR*
	Arendalsuka, Bomuldsfabriken, Arendal, 17/08/21 [preview]
	Ultima Contemporary Music Festival, Sentralen, Oslo, 19/09/21 [world premiere]
	'As far as my Eye can Sea' exhibition, Bomuldsfabriken, Arendal, 23/09/21 [performance]
	Young Researchers Night, Teateret, Kristiansand, 24/09/21 [talk & performance]
	In the media: *NRK*, *VG-TV*, *NRK Radio P1 Finnmarkssendinga*, *Aftenposten*, *Agderposten*, *Fædrelandsvennen*, *Titan*, *ABC Nyheter*, *Forskning.no*, *Oppland Arbeiderblad*, *Romsdals Budstikke*, *Bladet Vesterålen*, *Nynorsk Pressekontor*, ++
2020	Feature guest, *TORSKE-TV (‘COD-TV’)*, cod spawning live-stream with article and video interviews by the Institute of Marine Research, 16/03/20, picked up by Sweden’s Fishermen Organisation and Diving Magazine
2020	Exhibitor, *TORSKETROMMING (‘COD DRUMMING’),* Life Sciences Exhibition at the Technical Museum of Oslo, 13/02/20 **invited participant*
2019-2020	Executive Producer, *TORSKETROMMING*, a scientific and artistic investigation into the role of sound in the Atlantic cod mating ritual
2019	Exhibitor, *Torsk og du!* (*‘Cod and you!’*), Oslo Science Expo
2017	Organizing Committee member, March for Science Oslo, Norway
2017	**Co-creator/performer** of '*Shoulders of Giants*', a science outreach music video (https://youtu.be/3h8CW3WE8I8) *>10k views*
2017	**Author**, popular science article for Oomen & Hutchings 2017, in *Medium*
2015	Feature guest, *Havforskerne (‘Oceanographers’)* episode 3, *Torsk (‘Cod’)*
2010	Guest appearance, *Daily Planet, Science in the City*

SELECT MEDIA INTERVIEWS

2025	The Navigator Magazine [online magazine], *‘2025 Wedgeport Tuna Tournament and Festival’* by Kathy Johnson, 21/08/25
2025	GRID-Arendal Instagram [video], *‘What does the ocean sound like?’* by Joanna Marcussen, 13/06/25
2024	The Navigator Magazine [online magazine], *‘UNB Dockside at Wedgeport Tuna Festival’* by Kathy Johnson, 22/08/25
2023	Titan [online magazine], *‘Mistelteinens magi handler ikke bare om jul’* [*‘The magic of mistletoe is not just about Christmas’*] by Elina Melteig, 19/12/23
2022	Titan [online magazine], *‘Forskere vil samle DNA fra alle arter i Europa – før det er for sent’* [*‘Researchers want to collect DNA from every species in Europe – before it’s too late’*] by Elina Melteig, 28/09/22

2022	Women in Ecology & Evolution Podcast [podcast], *'Open Science'* by Kirsty McLeod, 04/05/22
2022	Norwegian Broadcasting Corporation [long form digital article], *'Lager musikk av torskens orgasme' ['Making music from the cod's orgasm']* by Frida J. Krüger & Tuva Tagseth, 23/01/2022
2021	VG-TV [online TV], *'Kåt torsk forbløffer' ['Horny cod amazes']* , 23/04/2021 (*>50k views*)
2021	Titan [online magazine], *'Trommende torsk går til scenen' ['Drumming cod take the stage']* by Dag Inge Danielsen, 29/03/21
2020	Women in Ecology & Evolution Podcast [podcast], *'Paper in Focus'* by Kirsty McLeod, 23/10/20
2020	*TORSKE-TV* [online television], *'Watch the cod spawn'* by Liv Eva Welhaven Løchen, 16/03/20

PROFESSIONAL SERVICE

2026	Symposium organizer, *Canadian Society for Ecology & Evolution meeting, Toronto, ON, Canada*
2025	Session Chair, *Canadian Society for Ecology & Evolution meeting, Sherbrooke, QC, Canada*
2025	Expert Reviewer, *Natural Sciences & Engineering Research Council of Canada Discovery Grant Program*
2024-	ERGA Social Justice Committee
2023-	**Steering Committee Member**, ERGA Ethical, Legal, and Social Issues (ELSI) Committee
2023	**Lead Organizer**, *Norwegian Biodiversity & Genomics Conference 2023*
2022-	ERGA Sampling and Sample Processing Committee
2021,2022	Expert Reviewer, *ForBio Research School MSCA-IF Training Program*
2021	Expert Reviewer, *Genomics R&D Initiative Project Plan, Government of Canada*
2021-2025	ERGA Pilot Project Sample Ambassador for Atlantic bluefin tuna (*Thunnus thynnus*)
2021	**Lead Organizer**, *'Genomic Forecasting Symposium', Society for Molecular Biology & Evolution 2021 virtual meeting*
2021-2023	**Council Representative for Norway**, European Reference Genome Atlas (ERGA) Council
2021-2023	**Co-chair**, ERGA Ethical, Legal, and Social Issues (ELSI) Committee
2021-2023	**Co-chair**, ERGA Justice, Equity, Diversity, and Inclusion (JEDI) Sub-committee
2021-	ERGA Ethical, Legal, and Social Issues (ELSI) Committee
2021-2024	ERGA Justice, Equity, Diversity, and Inclusion (JEDI) Sub-committee
2021-2023	ERGA Bylaws Working Group
2020	Expert Panel Member, Icelandic Research Fund
2020	**Lead Organizer**, *'Genomic Forecasting Symposium 2020' (online due to COVID-19)*
2020	Symposium co-organizer, *'Genomic predictions of responses to the environment', Society for Molecular Biology & Evolution 2020 meeting (cancelled due to COVID-19)*
2019, 2020, 2024	Canadian Society for Ecology & Evolution Excellence in Doctoral Research Award Panel

2018-2023 **Editorial Board member**, *Scientific Data (Nature Publishing Group)*

2012- Reviewer [n>1]: *Molecular Ecology* [5], *Journal of Animal Ecology* [2], *ICES Journal of Marine Science* [2], *Aquaculture Research* [2], *Molecular Ecology Resources*, *PNAS*, *Evolutionary Applications*, *BMC Ecology & Evolution*, Conservation *Physiology*, *Ecology & Evolution*, and *Journal of Sea Research*

ELECTED POSITIONS

2021-2023 Council Representative for Norway, European Reference Genome Atlas (ERGA) Consortium

2011-2012 Graduate Student Senator, Dalhousie University Senate

2011-2012 President, Biology Organization of Graduate Students

2011-2012 Lett Symposium Coordinator

2009-2010 Student Departmental Representative, Forensic Science Department

2008-2010 Secretary, Forensic Science Society

WORKING GROUPS/CONSORTIA

2022-2024 'CodNet' Working Group [**Lead**], *Santa Fe Institute, Santa Fe, NM, USA*.

2022-2023 Earth BioGenome Project (EBP) [Affiliate Project Representative for EBP-Nor]

2021-2025 ERGA Atlantic Bluefin Tuna Consortium

2021-2026 Biodiversity Genomics Europe (BioGenEU) consortium for Horizon Europe Topic: HE-CL6-2021-BIODIV-01-01

2021-2023 Earth BioGenome Project Norway (EBP-Nor) [**Scientific Coordinator 2022-2023**], *University of Oslo, Norway*

2020- The European Reference Genome Atlas (ERGA) Consortium (https://www.erga-biodiversity.eu)

2020-2022 'Promoting marine and maritime research in Horizon Europe', WP1: Sustainable food systems, including aquaculture and fisheries, *Norwegian Marine University Consortium and Norwegian Ocean Alliance to Horizon Europe*

2019-2021 'Coastal zones in times of change', *Centre for Coastal Research, Kristiansand, Norway*

2018-2022 'Sociality under scarcity', *Santa Fe Institute, Santa Fe, NM, USA*

WORKSHOPS

2023 *ELISE Workshop on AI for ocean restoration and marine protection, online*

2022 *British Ecological Society Climate Change Genomics Workshop, online*

2021 *Machine Learning in R, University of Oslo, Oslo, Norway*

2019 *Society for Molecular Biology & Evolution Speciation Genomics workshop, Tjärnö, Sweden*

2017 *Science Communication workshop, Alan Alda Centre for Communicating Science, Oslo, Norway *invited participant*

2017 *Nature Masterclass workshop, Fredrikstad, Norway*

ACADEMIC SERVICE

2025-	Department Teaching Load Evaluation Subcommittee, University of New Brunswick
2025-	Science Atlantic Representative for Biology, University of New Brunswick Saint John
2025-2026	Department Assessment Committee, University of New Brunswick
2025	MSc Defense Chair, Silas Jones, University of New Brunswick
2025	Three Minute Thesis (3MT) graduate student mentor [5 students]
2025	NSERC Interdisciplinary Assessment Committee, University of New Brunswick Saint John
2024	Consultant on Horizon Europe Program, Office of Research Services, University of New Brunswick
2023-2024	Graduate Student Space Subcommittee, University of New Brunswick Saint John
2019	Centre for Ecological & Evolutionary Synthesis Student Awards Committee
2016	Young Researchers' Day CEES Organizing Committee, University of Oslo
2011-2012	Dalhousie University Senate
2011-2012	Senate Academic Programs and Research Committee
2011-2012	Senate Discipline Committee
2011-2012	Faculty of Graduate Studies (FGS) Council
2011-2012	FGS Appeals Committee
2012	FGS Associate Dean Review Committee
2011-2012	Biology Organization of Graduate Students Executive Committee (Chair)
2011-2012	Biology Organization of Graduate Students Social Committee
2011-2012	Biology Graduate Student Retreat Organizing Committee (Chair)
2011-2012	Annual Bioball Committee
2011-2012	Association of Biobeer Servers
2011-2012	Dalhousie Association of Graduate Students (DAGS) Board Member
2011-2012	DAGS Academic & External Relations Committee
2011-2012	DAGS Governance Committee
2011-2012	Dalhousie Student Union (DSU) Council
2011-2012	Graduate Advisory Committee
2011-2012	Senate Caucus
2011-2012	DSU Grants Committee
2011-2012	DSU Student Accessibility Fund Committee
2011-2012	DSU Academic and External Committee
2011-2012	Department of Biology Committee of the Whole
2011-2012	Committee of the Whole Graduate Directorate Subcommittee
2011-2012	Lett Symposium Organizing Committee (Co-Chair)

EXTRACURRICULAR SERVICE

2026-	Board member, Audionautene (non-profit music therapy organization)
2018-	Co-founder and Chair, TORSKETROMMING (interdisciplinary non-profit organization)

2018-2026	Board member and organizer, Kampenjazz Jazz Club, Oslo, Norway
	Winner of Norway's Best Jazz Club 2018 by *Now's The Time*
	"…the big musical climax for me…" – David Fricke, Senior Editor of *Rolling Stone*, 07/12/18
2017	Music Director, Save The Arctic fundraising concert, Oslo, Norway
2017	Music Director, March for Science Oslo, Norway
2010-2011	Big sister with Big Brothers Big Sisters of Greater Halifax
2010	Judging team captain at the Canada Wide Science Fair

MEMBERSHIP

Canadian Society for Ecology & Evolution
European Society for Evolutionary Biology
Society for the Study of Evolution
Centre for Marine Evolutionary Biology
Canadian Rivers Institute Associate
Society for Molecular Biology & Evolution
American Genetics Association
American Fisheries Society
Evidence for Democracy Network of Experts

LANGUAGES

English – First language
Norwegian – Limited working proficiency (CEFR level B1 [writing, speaking] & B2 [reading, listening])
French – Elementary proficiency (Grade 12)