

# REBEKAH A. OOMEN

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## RESEARCH INTERESTS

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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

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- 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- 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

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- 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

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- 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<sub>published</sub> = 39, h-index = 16, citations > 1800 [[Google Scholar](#)]) † indicates mentee co-author

Preprints / in review / in revision

50. Fraser, B, C Gasparini, F Santi, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, **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 [submitted]. ERGA-BGE reference genome of *Gambusia holbrooki*, a globally invasive freshwater fish. *Open Research Europe*.
49. Taboada, S, C Gracia-Sancha, C Galià-Camps, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, **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; in review]. ERGA-BGE reference genome of *Xylophaga dorsalis* – a common deep-sea wood-boring bivalve with Atlantic-Mediterranean distribution. *Open Research Europe*. <https://doi.org/10.12688/openreseurope.22692.1>
48. Novo, M, DF Marchán, S Gérard, AM Navarro, R Monteiro, A Böhne, T Marcussen<sup>†</sup>, 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 [2025; in review]. ERGA-BGE Genome of *Ailoscolex lacteospumousus* Bouché, 1969 – the enigmatic milky worm endemic to the Pyrenees. *Open Research Europe*. <https://doi.org/10.12688/openreseurope.22136.1>
47. Struck, TH, T Marcussen<sup>†</sup>, 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** [2025; in review]. An automated decision-making procedure for ranking and selecting species in biodiversity projects. *npj Biodiversity*. Preprint: <https://doi.org/10.21203/rs.3.rs-7957242/v1>
46. Krohman, R<sup>†</sup>, S Henriksson<sup>†</sup>, EM Olsen, H Knutsen, & **RA Oomen** [2025; revisions requested]. Atlantic cod (*Gadus morhua*) ecotypes, not inversion frequencies, underlie divergence in egg buoyancy distribution. *Journal of Heredity*. Preprint: <https://doi.org/10.1101/2025.09.28.679046>
45. Krohman, R<sup>†</sup>, S Henriksson<sup>†</sup>, EM Olsen, H Knutsen, & **RA Oomen** [2025; revisions requested]. Chromosomal inversions assist acute salinity and temperature adaptation in Atlantic cod (*Gadus morhua*) eggs. *Journal of Evolutionary Biology*. Preprint: <https://doi.org/10.1101/2025.09.27.678988>
44. Galià-Camps C, M Pontes, T Marcussen<sup>†</sup>, 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>
43. Vila, M, L Torrado-Blanco, N Ryrholm, D Romero-Pedreira, M Conejero, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, **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>
42. Lozano-Fernandez, J, M Domènech, A Ibos, T Marcussen<sup>†</sup>, 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 *Gluvina dorsalis*: An Endemic Sun Spider from Iberian Arid Regions. *bioRxiv*. <https://doi.org/10.1101/2024.12.02.626363>
41. **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>

40. **Oomen, RA**, E Juliussen<sup>†</sup>, 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*
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: everything you wanted to know. *Molecular Ecology*, 35:e70216. doi:[10.1111/mec.70216](https://doi.org/10.1111/mec.70216)
38. Reichel, K\*, J Pohjoismäki\*, JJ Astrin, ..., **RA Oomen**, ..., & C de Guttery (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](https://doi.org/10.1111/1755-0998.70100) \*contributed equally
37. Manzano-Marín, A, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21672.1)
36. Tomasello, S, E Manzo, R Monteiro, A Böhne, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21891.1)
35. Lavergne S, A Rosa, C Peng, R Monteiro, A Böhne, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21922.1)
34. Aguado-Ramsay, P, F Lara, I Draper, M Conejero, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21670.1)
33. Faria, R, RN Vilela, FP Lima, R Monteiro, A Böhne, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21608.1)
32. Aurelle, D, D Guillemain, F Zuberer, D Malengros, A Böhne, R Monteiro, T Marcussen<sup>†</sup>, 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](https://doi.org/10.12688/openreseurope.21514.1)

31. Wellenreuther M, **RA Oomen**, K Young Han, R Krohman<sup>†</sup>, & 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](https://doi.org/10.1016/j.tree.2025.08.004)
30. Lopes RJ, A Böhne, T Marcussen<sup>†</sup>, **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](https://doi.org/10.12688/openreseurope.20666.1)
29. Hausdorf B, E Tapia, R Monteiro, A Böhne, T Marcussen<sup>†</sup>, 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](https://doi.org/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<sup>†</sup>, **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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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 intra-specific diversity. *ICES Journal of Marine Science*, fsae039. doi:[10.1093/icesjms/fsae039](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1111/1365-2656.13707) *Invited Faculty Opinions Recommended Sidnie Manton Award winner*

19. Rasmussen JH<sup>†</sup>, 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](https://doi.org/10.1002/ece3.8672)
18. Goodwin M\*, KT Halvorsen\*, L Jiao\*, KM Knausgård\*, AH Martin\*, M Moyano\*, **RA Oomen**\*<sup>‡</sup>, JH Rasmussen\*<sup>†</sup>, TK Sørдалen\*, & 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](https://doi.org/10.1093/icesjms/fsab255) \*contributed equally <sup>‡</sup>corresponding
17. Formenti, G, K Theissing, 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](https://doi.org/10.1016/j.tree.2021.11.008) \*middle 21 authors contributed equally
16. Wolf, JF<sup>†</sup>, 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](https://doi.org/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](https://doi.org/10.1111/csp2.493) \*last 24 authors contributed equally
14. Deiner, A, AH Martin, JC Pardo, PR Berg\*, J Bhardwaj\*, D Catarino\*, A Fernandez-Chacon\*, K Martinez-Swatson\*, K Ono\*, **RA Oomen**\*, M Sodeland\*, TK Sørдалen\*, 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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/10.1111/j.1095-8312.2010.01608.x)

## POLICIES & TECHNICAL REPORTS

5. 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>
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 MS\_5.1b 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

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### INVITED PLENARIES & KEYNOTES

- |      |  |
|------|--|
| 2023 | <i>Early Career Award, Canadian Society for Ecology &amp; Evolution meeting, Winnipeg, MB, Canada</i>          |
| 2022 | <i>JSMF-SFI Postdocs in Complexity Conference, Santa Fe Institute, NM, US (Keynote)</i>                        |
| 2022 | <i>International Symposium on Reference Genomes for Biodiversity, University of Cologne, Germany (Keynote)</i> |
| 2022 | <i>LUOVA Spring Symposium, University of Helsinki, Finland (Keynote)</i>                                       |
| 2018 | <i>Oslo Symposium for Genomics, Ecology, and Evolution, Oslo, Norway</i>                                       |
| 2018 | <i>PhD Award, Canadian Society for Ecology &amp; Evolution meeting, Guelph, ON, Canada</i>                     |

### INVITED SYMPOSIUM PRESENTATIONS

- |      |   |
|------|---|
| 2026 | <i>'Colloque de Biologie', Laval University, Québec City, QC, Canada [to be delivered]</i>  |
| 2026 | <i>'Applied evolution', Penn State University, State College, PA, US [to be delivered]</i>  |
| 2024 | <i>'Predicting evolutionary responses in a changing world', Evolution, Montreal, QC, Canada</i>   |
| 2024 | <i>'A tribute to Dr. Jeffrey Hutchings', Society of Canadian Aquatic Sciences, Fredericton, NB, Canada</i>  |
| 2022 | <i>'Det Gode Liv // The Sweetness of Living', Barents Spektakel, Kirkenes, Norway [panel]</i>   |
| 2020 | <i>'Fisheries genomics: illuminating the past, present, and future of exploited fish populations', American Fisheries Society meeting, Columbus, OH, US (online due to COVID-19)</i>  |
| 2020 | <i>'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)</i> |
| 2019 | <i>'Prediction in the Anthropocene: combining theory and practice', Canadian Society for Ecology &amp; Evolution meeting, Fredericton, NB, Canada</i>                                 |

- 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 [to be delivered]*
- 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

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### 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

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Personal funding total = 3.9 million CAD / 27.3 million NOK

- RESEARCH (Funding towards own research programme = 3.5 million CAD / 24.6 million NOK)
- 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 [*Biodiversity Genomics Europe* consortium; Topic HE-CL6-2021-BIODIV-01-01] (Lead from U. Oslo [Partner]; 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 21<sup>st</sup> 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)

- Winter 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 Vanier Canada Graduate Scholarship nominee (institutional)
- 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**

- 2025 **Co-Instructor of Record**, Introductory Ecology (BIOL2585; 2<sup>nd</sup> year), University of New Brunswick Saint John

- 2025- 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; 4<sup>th</sup> year), University of New Brunswick Saint John [delivered 2 times]
- 2023- **Instructor of Record**, Evolution (BIOL3022; 3<sup>rd</sup> year), University of New Brunswick Saint John [delivered 4 times]
- 2023, 2024 **Co-Instructor of Record**, Functional Ecology of Fishes (BIOL3953; 3-4<sup>th</sup> year; Marine Semester field course), University of New Brunswick Saint John [delivered 2 times]
- 2020, 2021 Guest lecturer, Evolutionary Biology (1<sup>st</sup> year), University of Agder
- 2020 Guest lecturer, Evolution (1<sup>st</sup> 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 (3<sup>rd</sup> 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 (2<sup>nd</sup> year), Dalhousie University
- 2010 Video demonstrator, Introduction to Forensics (1<sup>st</sup> year online course), Trent University
- 2009 Teaching assistant, Vertebrate Zoology (2<sup>nd</sup> year), Trent University
- 2009 Forensic Science Enrichment Camp leader (secondary school), Trent University
- 2008 Guest lecturer, Introduction to Biology (1<sup>st</sup> year), York University

## MENTORING & SUPERVISION

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- 2025 Supervisor, Bella Trudel, Undergraduate Research Assistant, University of New Brunswick
- 2024- Co-supervisor, Remy Durocher, MSc thesis, University of New Brunswick
- 2024- Supervisor, Iris Jia, PhD thesis, University of New Brunswick
- 2024-2025 Supervisor, Stephanie Maheux, Undergraduate Research Assistant, Honours thesis, & Work-study, University of New Brunswick
- 2024-2025 Supervisor, Abigail Scher, Undergraduate Research Assistant, Honours thesis, & NSERC Undergraduate Student Research Award (USRA) Student, 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- 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

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|       |  |
|-------|--|
| 2025- | 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- | 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

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|      |  |
|------|--|
| 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

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|      |   |
|------|---|
| 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

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- 2025 **Co-creator / Performer**, Skaggerakseilassen Science and Solutions Sail, Kristiansand-Far-sund-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

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- 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](#)' by Frida J. Krüger & Tuva Tagseth, 23/01/2022
- 2021 VG-TV [online television], '[Kåt torsk forbløffer](#)', 23/04/2021
- 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

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- 2026 Symposium organizer, *Canadian Society for Ecology & Evolution meeting, Toronto, ON, Canada* [to be delivered]
- 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, Canadian Society for Ecology & Evolution Excellence in Doctoral Research Award Panel
- 2024
- 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

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- 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

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- 2022- '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- 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

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- 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

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- 2025- Department Teaching Load Evaluation Committee, University of New Brunswick
- 2025- Science Atlantic Representative for Biology, University of New Brunswick Saint John
- 2025- 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

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| 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

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| 2018-     | Co-founder and Chair, TORSKETROMMING (interdisciplinary non-profit organization)   |
| 2018-     | Board member and organizer, Kampenjazz Jazz Club, Oslo, Norway<br>Winner of Norway's Best Jazz Club 2018 by <a href="#">Now's The Time</a><br>“...the big musical climax for me...” – David Fricke, Senior Editor of <i>Rolling Stone</i> , 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

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

## LANGUAGES

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English – Native

Norwegian – Limited working proficiency (CEFR level B1 [writing, speaking] & B2 [reading, listening])

French – Elementary proficiency (Grade 12)