

Dorte Bekkevold – Short CV

ORCID

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Degrees

- MSc, Department of Ecology and Genetics, Biological Institute, Aarhus University (1998)
- PhD, Department of Ecology and Genetics, Biological Institute, Aarhus University (2002)

Positions

- Researcher, Danish Institute for Fisheries Research (2002-2007)
- Senior Researcher, DTU Aqua, Technical University of Denmark (2007-present)
- Head of Section for Population Genetics (2008-2010)

Research area

Population genetics/genomics, focusing on development and analysis of DNA data in identifying species, demographics, life histories and migratory behaviour in aquatic organisms; evolutionary and molecular ecology; detection of intraspecific biodiversity and local adaptation; determining effects of genetic introgression and climate change; development of molecular tools to trace populations and species, including in environmental samples (eDNA); implementation of genetic marker-based stock identification in fisheries data collection

Distinctions and awards

- ICES service award for serving as a chairman of ICES WGAGFM, Working Group on Application of Genetics in Fisheries and Mariculture (2015)

Memberships of scientific committees (last 5 years)

- Council member Fisheries Society of the British Isles (2023-2026)
- *Publication Committee board for Journal of Fish Biology* (2023-present)
- ICES Working Group for the *Application of Genetics in Fisheries and Aquaculture* (WGAGFA), from 2012-2015 as working group chair
- ICES *Herring Assessment Working Group for the Area South of 62°N* (HAWG)
- ICES Workshop on the evaluation of NEA mackerel stock components (WKEVALMAC) 2023
- ICES benchmark workshop on sandeel (WKSANDEEL) 2024
- ICES second and third *Workshop on Stock Identification and allocation of catches of herring to stocks* (WKSIDAC2-3, 2023-2025)
- Scientific advisory committee for the EU LIFE project Kongeaa (2023-2030)
- Scientific advisor to *The future of humans and fish populations: fostering interdisciplinarity and transdisciplinarity for sustainable marine social-ecological systems* funded by the French CNRS ISBlue programme (2023-2026)

Publications

Type of publication:	Number
Web of Science publications:	98
Citations:	4467
<i>h</i> -index:	37
Other peer review publications:	1
Book chapters:	5
Reports:	19

International conferences (last 5 years)

Type of participation:	Number
Contributions as first author:	2
Invited:	2
Organizing role:	2

Evaluation tasks and reviews (last 5 years)

- Postdoctoral International Travelling Fellowship review board, the Fisheries Society of the British Isles (2023-present)
- Evaluation for the Research Council of Norway (2018-2021)
- Evaluation for the Canadian NSERC Discovery Frontiers Biodiversity and Adaptation of Biosystems (2022)
- Regular member of tenure track researcher evaluation committees at Institute of Marine Research, Norway, Greenland Nature Institute and DTU Aqua
- Regular referee for suite of scientific journals, including, Molecular Ecology, PNAS, Evolutionary Applications, Journal of Fish Biology, ICES Journal of Marine Science, Fish and Fisheries

Advisory tasks (last 5 years)

Advice to DG MARE - Fisheries Policy Atlantic, North Sea, Baltic and Outermost Region, the Danish Ministry of Food, Agriculture and Fisheries, ICES Working Group for the Application of Genetics in Fisheries and Aquaculture (WGAGFA), ICES Herring Assessment Working Group for the Area South of 62°N (HAWG), ICES Workshop on the evaluation of NEA mackerel stock components (WKEVALMAC), ISSG Electronic Monitoring Technologies

Educational tasks at academical level (last 5 years)

- DTU's Sustainable Fisheries and aquaculture MSc programme: "Genetic methods in fisheries and aquatic biodiversity conservation" (course code [25313](#)) contributor since 2012; in 2015 as course responsible.
- DTU's Sustainable Fisheries and aquaculture MSc programme: "Genetic methods in Aquaculture" (Course code [25315](#)) contributor since 2012.
- Responsible for advanced-level (PhD & PostDoc) course in "Genetics and Bioinformatics" at Sokoine University, Morogoro, Tanzania 2023.

Supervision (ongoing or finished in the last 5 years)

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)	-	2
PhD:	-	6
Postdoc:	1	NA

Collaboration with other stakeholders (within last 5 years)

- Danish Pelagic Producers Organisation, Danish Fishery Producers Organisation, Identigen Ltd., Danish Centre for Wild Salmon

Grants (competitive) (ongoing or finished within last 5 years)

- Coordinator for Horizon Europe MSCA Postdoctoral Fellowship project *The Phantom Fish: Untangling the long co-evolution of herring and people along the Pacific Rim using ancient DNA and marine historical ecology* (2026-2028)
- PI/DTU Aqua internal coordinator for Aage V. Jensen Nature Fund project *Integrated ecological, genomic and oceanographic analysis for planning marine habitat protection*; Coordinator is Aarhus University (2024-2027)

- Coordinator for European Marine Fisheries Fund project *Stock distributions in Atlantic Herring, tracking populations with DNA* (2023-2026)
- coordinator for European Marine Fisheries Fund project *Rebuilding Western Baltic Spring spawning herring* (2020-2023)

Selected publications

- *Genetic monitoring uncovers long distance marine feeding coupled with strong spatial segregation in Seatrout (Salmo trutta L.) consistent at annual and decadal time scales.* Bekkevold, D., Knutsen, H., Hemmer-Hansen, J., Sodeland, M., Höjesjö, J., Bleeker, K., Aarestrup, K., Skov, C., Nielsen, E.E. (2024) *ICES Journal of Marine Science*, 81: 1655–1668.
- *Introgression affects Salmo trutta juvenile life-history traits generations after stocking with non-native strains.* Bekkevold, D., Besnier, F., Frank-Gopolos, T., Nielsen, E. E. & Glover, K. A. (2024) *Evolutionary Applications*. 17, 7, 12 p., e13725.
- *How Fish Population Genomics Can Promote Sustainable Fisheries: A Road Map* (2024) Andersson, L., Bekkevold, D., Berg, F., Farrell, E. D., Felkel, S., Ferreira, M. S., Fuentes-Pardo, A. P., Goodall, J. & Pettersson, M. *Annual Review of Animal Biosciences*. 12.
- *Mixed-stock analysis of Atlantic herring (Clupea harengus): a tool for identifying management units and complex migration dynamics* (2023) Bekkevold, D., Berg, F., Polte, P., Bartolino, V., Ojaveer, H., Mosegaard, H., Farrell, E. D., Fedotova, J., Hemmer-Hansen, J., Huwer, B., Trijoulet, V., Albertsen, C. M., Fuentes-Pardo, A. P., Gröhsler, T., Pettersson, M., Jansen, T., Folkvord, A. & Andersson, L., 2023, *ICES Journal of Marine Science*. 80, 173-184.
- *Genetic parentage reconstruction as a practical tool applied to aquaculture and restoration programs for the European flat oyster, Ostrea edulis.* Monteiro, H.J.A., Saurel, C., Jacobsen, M.-B., ..Bekkevold, D. *Aquatic Living Resources*, 2022, 35, 18.