Publications:

Consequences of eye fluke infection on anti-predator behaviours in invasive round gobies in Kalmar Sound
Publication: Research - peer-review › Journal article – Annual report year: 2017

Dispersal potential of the round goby – how plastic are they
Behrens, J. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Early engagement of stakeholders with individual-based modelling can inform research for improving invasive species management: the round goby as a case study
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of acoustic telemetry transmitters on gill ventilation rate and haematocrit levels of round goby Neogobius melanostomus
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of high-frequency strobed laser light on Atlantic cod (Gadus morhua) physiology and behavior
Publication: Research › Conference abstract for conference – Annual report year: 2017

Erfaringsopsamling med kirugisk implantering af akustiske transmittere i sortmundet kutling (Neogobius melanostomus)
Christoffersen, M., Sokolova, M., Svendsen, J. C., Deurs, M. V. & Behrens, J. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Erfaringsopsamling med kirurgisk implantering af akustiske transmittere i sortmundet kutling
Christoffersen, M., Sokolova, M., Svendsen, J. C., Deurs, M. V. & Behrens, J. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Evaluating dispersal potential of an invasive fish by the use of aerobic scope and osmoregulation capacity
Publication: Research - peer-review › Journal article – Annual report year: 2017

If you can’t beat them, eat them: using acoustic telemetry to develop an economically viable fishery for the highly invasive round goby (Neogobius melanostomus)
Christoffersen, M., Svendsen, J. C., Behrens, J., Jepsen, N. & van Deurs, M. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Is the osmoregulatory compromise limiting invasive species?
Publication: Research › Conference abstract for conference – Annual report year: 2017
Eastern Baltic cod in distress: biological changes and challenges for stock assessment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Invasion rate and population characteristics of the invasive round goby Neogobius melanostomus: effects of density and invasion history
Azour, F., Deurs, M. V., Behrens, J., Carl, H., Hüsky, K., Greisen, K., Ebert, R. & Møller, P. R. 2015 In : Aquatic Biology. 24, p. 41-52
Publication: Research - peer-review › Journal article – Annual report year: 2015

Can the invasive sortmundede kutling spread to Skagerrak and Nordsøen?
Behrens, J. 2015
Publication: Communication › Internet publication – Annual report year: 2015

Oceanic boundary conditions for Jakobshavn Glacier Part I. Variability and renewal of Ilulissat Icefjord waters, 2001-2014
Publication: Research - peer-review › Journal article – Annual report year: 2015

Parasit påvirker torskens hjertefyld
Publication: Communication › Journal article – Annual report year: 2015

Review of environmental factors influencing distributions of selected Baltic species: Report: BIO-C3 Deliverable, D1.1
Publication: Research › Report – Annual report year: 2016

Take it with a grain of salt; salinity tolerance and correlated physiology of the invasive round goby Neogobius melanostomus
Behrens, J. & Christensen, E. A. F. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015
Seasonal migration, vertical activity and winter temperature experience of Greenland halibut Reinhardtius hippoclodeus (Walbaum) in West Greenland waters
Publication: Research - peer-review › Journal article – Annual report year: 2014

Temperature and oxygen as determining factors in post-stress recovery profiles of Norwegian lobster Nephrops norvegicus
Behrens, J., Höglund, E., Larsen, B. K. & Skov, P. V. 2014
Publication: Research › Poster – Annual report year: 2014

The parasitic copepod Lernaeocera branchialis negatively affects cardiorespiratory function in Atlantic cod (Gadus morhua)
Publication: Research › Conference abstract for conference – Annual report year: 2014

The parasitic copepod Lernaeocera branchialis negatively affects cardiorespiratory function in Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2014

Can IBMs tell us why some cod undertake vertical (feeding) migrations into hypoxic waters?
Behrens, J. W., Neuenfeldt, S. & Deurs, M. V. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Excess post hypoxic oxygen consumption in Atlantic cod (Gadus morhua)
Publication: Research - peer-review › Journal article – Annual report year: 2013

Haemoglobin genotypes in cod (Gadus morhua L): their geographic distribution and physiological significance
Publication: Research - peer-review › Review – Annual report year: 2013

Identification of seasonal migration, vertical activity and thermal experience of Greenland halibut Reinhardtius hippoclodeus (Walbaum) in west Greenland waters
Behrens, J. W., Neuenfeldt, S., Sparrevoorn, C. R., Eigaard, O. R. & Boje, J. 2013
Publication: Research › Poster – Annual report year: 2013

Individual behaviour of Baltic cod (Gadus morhua) in relation to sex and reproductive state
Nielsen, B., Hüssey, K., Neuenfeldt, S., Tomkiewicz, J., Behrens, J. & Andersen, K. H. 2013 In : Aquatic Biology. 18, 2, p. 197-207
Publication: Research - peer-review › Journal article – Annual report year: 2013

Spawning migration and behavior of Baltic cod (Gadus morhua) based on DST-derived individual information
Behrens, J., Nielsen, B., Hüssey, K., Neuenfeldt, S., Andersen, K. H. & Tomkiewicz, J. 2013
Publication: Research › Poster – Annual report year: 2013

Udvikling af effektivt og skånsomt redskab til tobisfiskeri på Dogger Banke
Publication: Research › Conference abstract for conference – Annual report year: 2013
Correlations between hemoglobin type and temperature preference of juvenile Atlantic cod Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2011

Effects of hypoxic exposure during feeding on SDA and postprandial cardiovascular physiology in the Atlantic cod, Gadus morhua
Behrens, J., Axelsson, M., Neuenfeldt, S. & Seth, H. 2012 In : PLOS ONE. 7, 9, p. e46227
Publication: Research - peer-review › Journal article – Annual report year: 2012

Precautionary sandeel fishery in Natura 2000 areas on the Dogger Bank (North Sea): a way to comply with MSFD implementation?
Publication: Research › Paper – Annual report year: 2012

Is feeding under hypoxic conditions a good strategy? Insight from cardio-respiratory measurements on cod
Behrens, J., Seth, H., Neuenfeldt, S. & Axelsson, M. 2011
Publication: Research › Conference abstract for conference – Annual report year: 2011

Primary versus secondary drivers of foraging activity in sandeel schools (Ammodytes tobianus)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Recovery of gastric evacuation rate in Atlantic cod Gadus morhua L. surgically implanted with a dummy telemetry device
Behrens, J., Gräns, A., Andersen, N. G., Neuenfeldt, S. & Axelsson, M. 2011 In : Laboratory Animals. 45, 4, p. 240-246
Publication: Research - peer-review › Journal article – Annual report year: 2011

Influence of moderate and severe hypoxia on the diurnal activity pattern of lesser sandeel Ammodytes tobianus
Behrens, J., Petersen, J. K., Ærtebjerg, G. & Steffensen, J. F. 2010 In : Journal of Fish Biology. 77, 3, p. 538-551
Publication: Research - peer-review › Journal article – Annual report year: 2010

Time matters: post-surgical recovery of gastric evacuation rate in Atlantic cod
Behrens, J., Andersen, N. G., Neuenfeldt, S. & Axelsson, M. 2010
Publication: Research › Poster – Annual report year: 2010

Adaptive behaviour of Baltic cod feeding in hypoxic water
Publication: Research › Article in proceedings – Annual report year: 2009

Oxygen deficiency impacts on burying habitats for lesser sandeel, Ammodytes tobianus, in the inner Danish waters
Behrens, J., Ærtebjerg, G., Petersen, J. K. & Carstensen, J. 2009 In : Canadian Journal of Fisheries and Aquatic Sciences. 66, 6, p. 883-895
Publication: Research - peer-review › Journal article – Annual report year: 2009

Using biotelemetry to investigate cardiovascular tradeoffs in cod feeding under hypoxic conditions
Behrens, J., Thygesen, U. H. & Neuenfeldt, S. 2009
Publication: Research › Poster – Annual report year: 2009

Thermodynamics of oxygenation-linked proton and lactate binding govern the temperature sensitivity of O2 binding in crustacean (Carcinus maenas) hemocyanin
Publication: Research - peer-review › Journal article – Annual report year: 2008
Effect of Global Change related oxygen depletion on fish; lesser sandeel (Ammodytes tobianus) as a model organisms
Publication: Research › Ph.D. thesis – Annual report year: 2007

Oxygen dynamics around buried lesser sandeel, Ammodytes tobianus (Linnaeus, 1785); mode of ventilation and metabolic requirements
Publication: Research - peer-review › Journal article – Annual report year: 2007

The effect of hypoxia on behavioural and physiological aspects of lesser sandeel, Ammodytes tobianus (Linnaeus, 1785)
Behrens, J. & Steffensen, J. F. 2007 In : Marine Biology. 150, 6, p. 1365-1377
Publication: Research - peer-review › Journal article – Annual report year: 2007

Tobisens strategi til at få lidt når den er nedgravet, og effekten af hypoxi på fiskens aktivitet
Publication: Research › Conference abstract for conference – Annual report year: 2007

Oxygen deficiency impacts on habitats for lesser sandeel in the inner Danish waters
Behrens, J., Carstensen, J., Ærtebjerg, G. & Petersen, J. K. 2006
Publication: Research › Conference abstract for conference – Annual report year: 2006

Visualisation of how buried lesser sandeel (Ammodytes tobianus)obtain oxygen – and evidence of a fish capable of metabolic depression
Publication: Research › Conference abstract for conference – Annual report year: 2006

Swimming energetics of the Barents Sea capelin (Mallotus villosus) during the spawning migration period
Publication: Research - peer-review › Journal article – Annual report year: 2005

The response of lesser sandeel (Ammodytes tobianus) to acute hypoxia; swimming activity and physiological stress
Behrens, J. & Steffensen, J. F. 2005
Publication: Research › Poster – Annual report year: 2005

Functional conservation of subfamilies of Putative UDP-N-acetylglactosamine:Polypeptide N-Acetylglactosaminyltransferases in Drosophila, Caenorhabditis elegans, and mammals
Publication: Research - peer-review › Journal article – Annual report year: 2002

The archaeogastropod mollusc Haliotis iris: tissue and blood metabolites and allosteric regulation of haemocyanin function
Publication: Research - peer-review › Journal article – Annual report year: 2002

Allosteric regulation of haemocyanin functions in Haliotis iris
Behrens, J. & Weber, R. E. 2000
Publication: Research › Conference abstract for conference – Annual report year: 2000

Stress and weight loss associated with handling in the blackfoot abalone, Haliotis iris
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2000
Projects:

**Influence of Parasite Load on the Growth and Bioenergetics of Baltic cod**
Plambech, M., Behrens, J. & Skov, P. V.
01/08/2017 → 31/07/2020
Project: PhD

**The invasive round goby in Danish waters: Investigations of depth distributions in relation to a targeted, efficient fishery after the species for human consumption (39402)**
Behrens, J.
01/01/2017 → 31/12/2017
Project

**Effects of seal-related liver worm on Baltic cod growth and mortality (39411)**
Behrens, J., Skov, P. V. & Andersen, N. G.
08/09/2016 → 15/12/2018
Project

**Sustainable use of the invasive round goby in favour for the fishery and the environment (SORTMUND) (39336)**
Behrens, J., Christoffersen, M., Kindt-Larsen, L. & van Deurs, M.
01/03/2016 → 28/02/2019
Project

**Underwater time of flight image acquisition system (UTOFIA) (39240)**
Visser, A., Mariani, P., Jonasdottir, S., Stage, B., Bridda, J., Thøgersen, T. L. & Behrens, J.
01/02/2015 → 30/04/2018
Project

**Development of seal-safe fishing gear (Seal-Safe II) (39188)**
Larsen, F., Kindt-Larsen, L., Sørensen, T. K. & Behrens, J.
01/06/2014 → 31/07/2016
Project

**Round goby – need for collaborative science and management in Nordic and Baltic countries (39171)**
Behrens, J. & van Deurs, M.
01/05/2014 → 31/05/2014
Project

**Biodiversity changes - causes, consequences and management implications (BIO-C3) (39117)**
Köster, F., Neuenfeldt, S., Tomkiewicz, J., MacKenzie, B., Jaspers, C., Eero, M., Bekkevold, D., Dutz, J., Behrens, J. & Huwer, B.
01/03/2014 → 28/02/2018
Project

**Selective and low impact gear for fishing live nephrops (39042)**
Behrens, J., Karlsen, J. D., Skov, P. V. & Eigaard, O. R.
01/01/2013 → 31/03/2015
Project

**Monitoring and modelling vertical movements of Greenland halibut in Disko Bay (38795)**
Boje, J., Neuenfeldt, S. & Behrens, J.
01/01/2010 → 31/12/2013
Project

**Cardio-respiratory adaptations in cod feeding under hypoxic conditions (CarlsbergTorsk) (38851)**
Behrens, J., Neuenfeldt, S., Thygesen, U. H. & Mosegaard, H.
01/01/2009 → 31/05/2012
Project

Influence of ecological dynamics and climate change on the marine environment in Danish waters (ECODYN) (38136)
Thygesen, U. H., Neuenfeldt, S. & Behrens, J.
01/01/2008 → 01/04/2012
Project

Activities:

ICES - The Workshop on Scoping for Integrated Baltic Cod Assessment - WKSIBCA (External organisation)
Behrens, J. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

17. Danske havforsknemøde
Behrens, J. (Speaker)
21 Jan 2013 → 23 Jan 2013
Activity: Talks and presentations › Conference presentations