Jakob Hemmer Hansen - DTU Orbit (15/01/2018)

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Publications:

Genetic diversity and connectivity within Mytilus spp. in the subarctic and Arctic
Publication: Research - peer-review › Journal article – Annual report year: 2016

Genome architecture enables local adaptation of Atlantic cod despite high connectivity
Publication: Research - peer-review › Journal article – Annual report year: 2017

Conserved structure and expression of hsp70 paralogs in teleost fishes
Publication: Research - peer-review › Journal article – Annual report year: 2016

Evaluation of otolith shape as a tool for stock discrimination in marine fishes using Baltic Sea cod as a case study
Publication: Research - peer-review › Journal article – Annual report year: 2015

Historical DNA documents long distance natal homing in marine fish
Publication: Research - peer-review › Journal article – Annual report year: 2016

Spatio-temporal trends in stock mixing of eastern and western Baltic cod in the Arkona Basin and the implications for recruitment
Publication: Research - peer-review › Journal article – Annual report year: 2015

Variability and connectivity of plaice populations from the Eastern North Sea to the Baltic Sea, part II. Biological evidence of population mixing
Publication: Research - peer-review › Journal article – Annual report year: 2016

Archived DNA reveals fisheries and climate induced collapse of a major fishery
Publication: Research - peer-review › Journal article – Annual report year: 2015

From regionally predictable to locally complex population structure in a freshwater top predator: River systems are not always the unit of connectivity in Northern Pike Esox lucius
Publication: Research - peer-review › Journal article – Annual report year: 2014

Gene-associated markers can assign origin in a weakly structured fish, Atlantic herring
Publication: Research - peer-review › Journal article – Annual report year: 2015

Managing population mixing; genetics supported stock splitting in Atlantic cod
Publication: Research › Conference abstract for conference – Annual report year: 2015
MSC certification of plaice fisheries in area IIIa: Basic investigations and development of a management plan  
Publication: Research › Report – Annual report year: 2015

Optimal bæredygtig udnyttelse af tilgængelige torskebestande for dansk fiskeri  
Publication: Research › Report – Annual report year: 2015

Oxygen minimum zone induced rapid temporal fluctuations of Eastern Baltic cod genetic diversity  
Publication: Research › Conference abstract for conference – Annual report year: 2015

Stock mixing of eastern and western Baltic cod in SD 24  
Publication: Research › Conference abstract for conference – Annual report year: 2015

The history of cod in Greenland: A major fishery collapse explained by archived DNA  
Publication: Research › Conference abstract for conference – Annual report year: 2015

Conserving marine biodiversity: insights from life-history trait candidate genes in Atlantic cod (Gadus morhua)  
Publication: Research › Journal article – Annual report year: 2013

Implications of stock recovery for a neighbouring management unit: experience from the Baltic cod  
Publication: Research › Journal article – Annual report year: 2014

Learning from the past and stepping into the future: Population dynamics of Atlantic cod (Gadus morhua) revealed by historical DNA  
Publication: Research › Ph.D. thesis – Annual report year: 2014

Population genomics of marine fishes: next generation prospects and challenges  
Publication: Research › Journal article – Annual report year: 2014

The Baltic cod: A case study for testing stock discrimination based on otolith shape analysis in a mixed stock fishery  
Publication: Research › Conference abstract for conference – Annual report year: 2014

The use of archived tags in retrospective genetic analysis of fish  
Publication: Research › Journal article – Annual report year: 2013

A genomic island linked to ecotype divergence in Atlantic cod  
Publication: Research › Journal article – Annual report year: 2013

Cod recovery as a new challenge for fisheries management: experience from the Baltic Sea  
Publication: Research › Conference abstract for conference – Annual report year: 2013

Improved management based on stock identification of eastern and western Baltic cod  
Publication: Research › Report – Annual report year: 2013

Leps (Pleuronectes platessa X Platichthys flesus hybrid) i danske farvande  
Publication: Research › Conference abstract for conference – Annual report year: 2013

Microevolution in time and space: SNP analysis of historical DNA reveals dynamic signatures of selection in Atlantic cod  
Publication: Research › Journal article – Annual report year: 2013
Spatiotemporal SNP analysis reveals cryptic distribution shifts and signs of ongoing adaptation at the northern range margin for Atlantic cod
Publication: Research › Conference abstract for conference – Annual report year: 2013

Spatiotemporal SNP analysis reveals pronounced biocomplexity at the northern range margin of Atlantic cod Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2013

Tilbage til fremtiden; DNA analyse af historiske samlinger af torske-øresten fra Grønland
Publication: Research › Conference abstract for conference – Annual report year: 2013

Variability and connectivity of plaice populations from the Eastern North Sea to the Western Baltic Sea, and implications for assessment and management
Publication: Research - peer-review › Journal article – Annual report year: 2013

Gene-associated markers provide tools for tackling illegal fishing and false eco-certification
Publication: Research - peer-review › Journal article – Annual report year: 2012

Improving the assessment and management of the plaice stock complex between the North Sea and the Baltic Sea
Publication: Research › Paper – Annual report year: 2012

Optimization of fisheries resource exploitation in the Skagerrak (Oskar)
Publication: Research › Report – Annual report year: 2012

Where does the cod come from? Panels of gene-associated markers provide vastly improved origin assignment in Atlantic cod (Gadus morhua)
Publication: Research › Conference abstract for conference – Annual report year: 2012

Adaptive evolution in Atlantic cod: global and regional geographical scales
Publication: Research › Poster – Annual report year: 2011

Application of SNPs for population genetics of nonmodel organisms: new opportunities and challenges
Publication: Research - peer-review › Journal article – Annual report year: 2011

Historical changes in population distribution and micro-evolution in response to climate variability: Retrospective genomic analysis of archived fish tissue collection
Publication: Research › Conference abstract for conference – Annual report year: 2011

Historical DNA reveals signatures of recent fisheries- or climate-induced evolution in Atlantic cod, Gadus morhua
Publication: Research › Poster – Annual report year: 2011

Identification of single nucleotide polymorphisms in candidate genes for growth and reproduction in a nonmodel organism; the Atlantic cod, Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2011

Microgeographical population structure and adaptation in Atlantic cod Gadus morhua: spatio-temporal insights from gene-associated DNA markers
Publication: Research - peer-review › Journal article – Annual report year: 2011

Of fish and SNPs: The potential of genetics for traceability in European fisheries management
Publication: Research › Conference abstract for conference – Annual report year: 2011
Genomic signatures of local adaptation in natural populations of Atlantic cod: implications for interactions between aquaculture and wild cod populations
Publication: Research › Conference abstract for conference – Annual report year: 2010

Using historical DNA to study fisheries-induced genetic change in Atlantic cod (Gadus morhua)
Publication: Research › Conference abstract for conference – Annual report year: 2010

Using historical DNA to study fisheries-induced genetic change in commercial fish stocks
Publication: Research › Conference abstract for conference – Annual report year: 2010

Using the candidate gene approach to study fisheries-induced evolution
Publication: Research › Poster – Annual report year: 2010

Genetic population structure of European sprat (Sprattus sprattus L.): differentiation across a steep environmental gradient in a small pelagic fish
Publication: Research - peer-review › Journal article – Annual report year: 2009

Genomic signatures of local directional selection in a high gene flow marine organism, the Atlantic cod (Gadus morhua)
Publication: Research - peer-review › Journal article – Annual report year: 2009

Micro geographical population structure of cod Gadus morhua in the North Sea and west of Scotland: the role of sampling loci and individuals
Publication: Research - peer-review › Journal article – Annual report year: 2009

Population genomics of marine fishes: identifying adaptive variation in space and time
Publication: Research - peer-review › Journal article – Annual report year: 2009

ToR d) Assess the possibility for the development of an integrated global management model for Atlantic cod based on genetic information
Publication: Research › Report – Annual report year: 2009

Adaptive differences in gene expression in European flounder (Platichthys flesus)
Publication: Research › Journal article – Annual report year: 2007

Adaptive divergence in a high gene flow environment: Hsc70 variation in the European flounder (Platichthys flesus L.)
Publication: Research › Journal article – Annual report year: 2007

Application of SNPs (Single Nucleotide Polymorphisms) for genetic stock identification in Atlantic cod (Gadus morhua L.)
Publication: Research › Conference article – Annual report year: 2007

En skrubbe er ikke bare en skrubbe
Publication: Research › Journal article – Annual report year: 2007

Evolutionary mechanisms shaping the genetic population structure of marine fishes; lessons from the European flounder (Platichthys flesus L.)
Publication: Research › Journal article – Annual report year: 2007

Landscape genetics goes to sea
Publication: Research - peer-review › Journal article – Annual report year: 2007

What role for genomics in fisheries management and aquaculture?
Publication: Research - peer-review › Journal article – Annual report year: 2007
Population structure and local adaptations in marine fishes
Publication: Research › Ph.D. thesis – Annual report year: 2006

Population differentiation, local adaptation and speciation in marine fishes
Publication: Research - peer-review › Report – Annual report year: 2003

Projects:

Genomic analysis of DNA from archived shark jaws
Project: PhD

Eastern Baltic cod - New knowledge of growth and mortality is the way to improved management advice (39366)
Project

Genomic patterns and processes of population divergence in marine fishes
Project: PhD

Sustainable management of Kattegat cod; Improved knowledge about stock components and migration (39346)
Project

Expertise in marine and aquatic ecology and genomics for sustainable management of fish and shellfish in Skagerrak-Kattegat-Øresund (MarGen) (39301)
Project

CodStory (39308)
Project

Tracing the dynamics of mixed stocks in a transition area: Herring in Skagerrak-Kattegat and Western Baltic
Project: PhD

Adaptive differences between wild and farmed trout: linking traits with genomic variation
Project: PhD

Optimal sustainable use of cod stocks accessible for Danish fisheries (DEL-TORSK) (39147)
Project

MSC certification of the plaice fishery in area IIIa – basic investigations and development of a management model (39025)
Project

Restoration and management of cod in the Skagerrak/Kattegat (CodS) (38969)
Project

Reproduction capacity of European eel in captivity: Fecundity, follicular maturation and developmental competence of embryos and larvae
Project: PhD

Eastern-western Baltic cod: Improved management based on stock discrimination of eastern and western Baltic cod (Øst-Vesttorsk) (38989)
Project
Analysis of historical and contemporary salmon samples in the world's northernmost salmon population (38835)
Project

Population genetics of flounder in Danish waters (38819)
Project

Predicting the consequences of global change for fish populations using genomic methods
Project: PhD

Fish populations and traceability (FishPopTrace) (38283)
Project

Fisheries induced evolution (FinE) (38279)
Project

Activities:

ICES - Benchmark Workshop for North Sea Stocks - WKNSEA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Data Compilation for Benchmark Workshop on North Sea stocks - DCWKNSEA (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar