Karen-Lise Dons Mensberg
Senior laboratory manager
National Institute of Aquatic Resources
Section for Marine Living Resources
Postal address:
Vejløsvej 39
null, null
8600
Silkeborg
Denmark
Email: klm@aqua.dtu.dk
Phone: 35883135

Publications:

Local adaptation at the transcriptome level in brown trout: Evidence from early life history temperature genomic reaction norms
Publication: Research - peer-review › Journal article – Annual report year: 2014

An assessment of the spatial scale of local adaptation in brown trout (Salmo trutta L.): footprints of selection at microsatellite DNA loci
Publication: Research - peer-review › Journal article – Annual report year: 2011

Identifying footprints of selection in stocked brown trout populations: a spatio-temporal approach
Publication: Research - peer-review › Journal article – Annual report year: 2010

Admixture analysis of stocked brown trout populations using mapped microsatellite DNA markers: indigenous trout persist in introgressed populations
Publication: Research - peer-review › Journal article – Annual report year: 2009

Molecular basis of local adaptation in brown trout (Salmo trutta L.)
Publication: Research › Poster – Annual report year: 2009

Sixty years of anthropogenic pressure: a spatio-temporal genetic analysis of brown trout populations subject to stocking and population declines
Publication: Research - peer-review › Journal article – Annual report year: 2009

Local adaptation in brown trout early life-history traits: implications for climate change adaptability
Publication: Research - peer-review › Journal article – Annual report year: 2008

Reproductive isolation, evolutionary distinctiveness and setting conservation priorities: The case of European lake whitefish and the endangered North Sea houting (Coregonus spp.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Spatially and temporally fluctuating selection at non-MHC immune genes: evidence from TAP polymorphism in populations of brown trout (Salmo trutta, L.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Gene flow, effective population size and selection at major histocompatibility complex genes: brown trout in the Hardanger Fjord, Norway
Publication: Research - peer-review › Journal article – Annual report year: 2007
Genetic restoration of a stocked brown trout Salmo trutta population using microsatellite DNA analysis of historical and contemporary samples
Publication: Research - peer-review › Journal article – Annual report year: 2006

Loss of genetic variation in hatchery-reared Indian major carps, Catla catla
Publication: Research - peer-review › Journal article – Annual report year: 2006

Underwater but not out of sight: genetic monitoring of effective population size in the endangered North Sea houting (Coregonus oxyrhynchus)
Publication: Research - peer-review › Journal article – Annual report year: 2006

Spatial and temporal genetic differentiation and effective population size of brown trout (Salmo trutta L.) in small Danish rivers
Publication: Research - peer-review › Journal article – Annual report year: 2005

Widespread hybridization among species of Indian major carps in hatcheries, but not in the wild
Publication: Research - peer-review › Journal article – Annual report year: 2005

Genetic detection of sex-specific dispersal in historical and contemporary populations of anadromous brown trout Salmo trutta
Publication: Research - peer-review › Journal article – Annual report year: 2004

Long-term effective population sizes, temporal stability of genetic composition and potential for local adaptation in anadromous brown trout (Salmo trutta) populations
Publication: Research - peer-review › Journal article – Annual report year: 2002

Admixture analysis and stocking impact assessment in brown trout (Salmo trutta), estimated with incomplete baseline data
Publication: Research - peer-review › Journal article – Annual report year: 2001

Brown trout (Salmo trutta) stocking impact assessment using microsatellite DNA markers
Publication: Research - peer-review › Journal article – Annual report year: 2001

Genetic monitoring of supportive breeding in brown trout (Salmo trutta L.), using microsatellite DNA markers
Publication: Research - peer-review › Journal article – Annual report year: 2000

Microsatellite and mitochondrial DNA polymorphism reveals life history dependent interbreeding between hatchery and wild brown trout (Salmo trutta L.)
Publication: Research - peer-review › Journal article – Annual report year: 2000

Postglacial recolonization patterns and genetic relationships among whitefish (Coregonus sp.) populations in Denmark, inferred from mitochondrial DNA and microsatellite markers
Publication: Research - peer-review › Journal article – Annual report year: 1999

Genetic differentiation and relationship between genetic and geographical distance in Danish sea trout (Salmo trutta L.) populations
Publication: Research - peer-review › Journal article – Annual report year: 1998

Improved primer sequences for the mitochondrial ND1, ND3/4 and ND5/6 segments in salmonid fishes: application to RFLP analysis of Atlantic salmon
Publication: Research - peer-review › Journal article – Annual report year: 1998

Genetic variation within and among Danish brown trout (Salmo trutta L.) hatchery strains, assessed by PCR-RFLP analysis of mitochondrial DNA segments
The problem of sampling families rather than populations: Relatedness among individuals in samples of juvenile brown trout Salmo trutta L
Publication: Research - peer-review › Journal article – Annual report year: 1997

Founder effects and genetic population structure of brown trout (Salmo trutta) in a Danish river system
Publication: Research - peer-review › Journal article – Annual report year: 1996

Projects:

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

The development of tools for tracing and evaluating the genetic impact of fish from aquaculture (AquaTrace) (38948)
Project

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

Eastern-western Baltic cod: Improved management based on stock discrimination of eastern and western Baltic cod (Øst-Vesttorsk) (38989)
Project

Genetic and genomic approaches to the study of Atlantic eels: Speciation, genetic population structure and footprints of selection (38875)
Project