Ellen Lorenzen - DTU Orbit (30/09/2018)

Lorenzen, Ellen

Section for Immunology and Vaccinology - Former

Publications:

**Time-course study of the protection induced by an interferon-inducible DNA vaccine against viral haemorrhagic septicaemia in rainbow trout**
Sepúlveda, D., Lorenzen, E., Rasmussen, J. S., Einer-Jensen, K., Collet, B., Secombes, C. J. & Lorenzen, N. 2018 In : Fish and Shellfish Immunology. Publication: Research - peer-review › Journal article – Annual report year: 2018

**Antiviral immunity in fish – functional analysis using DNA vaccination as a tool**

**DNA vaccination in fish promotes an early chemokine-related recruitment of B cells to the muscle**

**Use of DNA vaccination for determination of onset of adaptive immunity in rainbow trout fry**
Rasmussen, J. S., Lorenzen, E., Kjær, T. E., Einer-Jensen, K. & Lorenzen, N. 2013 In : Fish and Shellfish Immunology. 34 , 6, p. 1674-1674 Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2013

**DNA vaccination of small rainbow trout fry against VHSV**

**Improved Protection of Rainbow Trout Against Furunculosis by an Autologous Vaccine Under Experimental Conditions**

**General and family-specific gene expression responses to viral hemorrhagic septicaemia virus infection in rainbow trout (Oncorhynchus mykiss)**

**Temperature influences the expression profiling of immune response genes in rainbow trout following DNA vaccination and VHS virus infection**

**The Protective Mechanisms Induced by a DNA Vaccine in Fish Depend on Temperature**
Experimental vaccination of small turbot against bacterial and viral pathogens
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Expression Profiling of Immune Response Genes in Rainbow Trout Following DNA Vaccination and VHS Virus Infection
Rasmussen, J. S., Christensen, M. B., Einer-Jensen, K., Lorenzen, E. & Lorenzen, N. 2010
Publication: Research - peer-review › Poster – Annual report year: 2010

Immersion exposure of rainbow trout (Oncorhynchus mykiss) fry to wildtype Flavobacterium psychrophilum induces no mortality, but protects against later intraperitoneal challenge
Lorenzen, E., Brudeseth, B. E., Wiklund, T. & Lorenzen, N. 2010 In : Fish and Shellfish Immunology. 28, 3, p. 440-444
Publication: Research - peer-review › Journal article – Annual report year: 2010

N-Linked Glycans on the Viral Glycoprotein are not Required for Induction of Protective Immunity to VHSV when Delivered as a DNA Vaccine
Einer-Jensen, K., Lorenzen, E., Rasmussen, J. S. & Lorenzen, N. 2010
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Protection Against Viral Haemorrhagic Septicemia Virus (VHSV) in Rainbow Trout Using a DNA Vaccine with MX1 Promotor Controlled Expression of the Viral G Protein
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Response to Viral Infection differs between families of Rainbow Trout
Publication: Research › Conference abstract for conference – Annual report year: 2010

Studies on herd-immunity and primary versus secondary infection of VHSV in challenge and vaccination trials with rainbow trout
Lorenzen, E., Kjær, T. E. & Lorenzen, N. 2010
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2010

Temperature effects on vaccine induced immunity to viruses in fish
Publication: Research › Conference abstract for conference – Annual report year: 2010

DNA Vaccines against Viral Diseases: Basic Immunological Aspects and Applied Perspectives
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Dual DNA vaccination of rainbow trout (Oncorhynchus mykiss) against two different rhabdoviruses, VHSV and IHNV, induces specific divalent protection
Publication: Research - peer-review › Journal article – Annual report year: 2009

Functional demonstration of adaptive immunity in zebrafish using DNA vaccination.
Publication: Research › Conference abstract for conference – Annual report year: 2009

Interference of an ERM-vaccine with a VHS-DNA vaccine in rainbow trout
Publication: Research › Conference abstract for conference – Annual report year: 2009
Studies on herd-immunity and primary versus secondary infection of VHSV in challenge and vaccination trials with rainbow trout
Publication: Research › Conference abstract for conference – Annual report year: 2009

The protective mechanisms induced by a fish rhabdovirus DNA vaccine depend on temperature
Publication: Research - peer-review › Journal article – Annual report year: 2009

THE PROTECTIVE MECHANISMS INDUCED BY A FISH RHABDOVIRUS DNA-VACCINE DEPENDS ON TEMPERATURE
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2009

Time course study of in situ expression of antigens following DNA-vaccination against VHS in rainbow trout (Oncorhynchus mykiss Walbaum) fry
Lorenzen, E., Lorenzen, N., Einer-Jensen, K., Brudeseth, B. & Evensen, O. 2005 In : Fish & Shellfish Immunology. 19, 1, p. 27-41
Publication: Research - peer-review › Journal article – Annual report year: 2005

A DNA vaccine directed against a rainbow trout rhabdovirus induces early protection against a nodavirus challenge in turbot
Publication: Research - peer-review › Journal article – Annual report year: 2003

Immunity induced shortly after DNA vaccination of rainbow trout against rhabdoviruses protects against heterologous virus but not against bacterial pathogens
Publication: Research - peer-review › Journal article – Annual report year: 2002

Immunity to viral haemorrhagic septicaemia (VHS) following DNA vaccination of rainbow trout at an early life-stage
Lorenzen, N., Lorenzen, E. & Einer-Jensen, K. 2001 In : Fish & Shellfish Immunology. 11, 7, p. 585-591
Publication: Research - peer-review › Journal article – Annual report year: 2001

DNA vaccination of rainbow trout against viral hemorrhagic septicaemia virus: A dose-response and time-course study
Publication: Research - peer-review › Journal article – Annual report year: 2000

Immunoprophylaxis in fish by injection of mouse antibody genes
Publication: Research - peer-review › Journal article – Annual report year: 2000

BKD i Danmark: Status efter to sæsoner
Publication: Research › Journal article – Annual report year: 1999

Inter-laboratory comparison of cell lines for susceptibility to three viruses: VHSV, IHNV and IPNV
Lorenzen, E., Carstensen, B. & Olesen, N. J. 1999 In : Diseases of Aquatic Organisms. 37, 2, p. 81-88
Publication: Research - peer-review › Journal article – Annual report year: 1999
Protective immunity to VHS in rainbow trout (Oncorhynchus mykiss, Walbaum) following DNA vaccination
Publication: Research - peer-review › Journal article – Annual report year: 1998

Characterization of isolates of Flavobacterium psychrophilum associated with coldwater disease or rainbow trout fry syndrome II: serological studies
Publication: Research - peer-review › Journal article – Annual report year: 1997

Characterization of isolates of Flavobacterium psychrophilum associated with coldwater disease or rainbow trout fry syndrome I: phenotypic and genomic studies
Publication: Research - peer-review › Journal article – Annual report year: 1997

First demonstration of Renibacterium salmoninarum/ BKD in Denmark
Lorenzen, E., Olesen, N. J., Korsholm, H., Heuer, O. E. & Evensen, Ø. 1997 In : Bulletin of the European Association of Fish Pathologists. 17, p. 140-144
Publication: Research › Journal article – Annual report year: 1997

Påvisning af bakteriel nyresyge (BKD) hos regnbueørred i Danmark.
Lorenzen, E., Korsholm, H., Olesen, N. J. & Heuer, O. E. 1997 In : Ferskvandsfiskeribladet. 95, 7, p. 160-167
Publication: Research › Journal article – Annual report year: 1997

Simultaneous demonstration of infectious pancreatic necrosis virus (IPNV) and Flavobacterium psychrophilum in paraffin-embedded specimens of rainbow trout Oncorhynchus mykiss fry by use of paired immunohistochemistry
Publication: Research - peer-review › Journal article – Annual report year: 1997

Vaccination of rainbow trout against VHS using live attenuated vaccines: Danish field trials from 1978 to 1983.
Publication: Research › Conference abstract in proceedings – Annual report year: 1996

An immunohistochemical study of Flexibacter psychrophilus infection in experimentally and naturally infected rainbow trout (Oncorhynchus mykiss) fry
Publication: Research › Journal article – Annual report year: 1996

Sammendrag af undersøgelser vedr. yngeldødelighedssyndromet. Afsnit 1
Publication: Research › Journal article – Annual report year: 1996

Sammendrag af undersøgelser vedr. yngeldødelighedssyndromet. Afsnit 2
Lorenzen, E. & Olesen, N. J. 1996 In : Ferskvandsfiskeribladet. 3, p. 52-56
Publication: Research › Journal article – Annual report year: 1996

Differentiation of VHS virus isolates by use of monoclonal antibodies
Olesen, N. J., Lorenzen, E. & Lorenzen, N. 1995
Publication: Research › Conference abstract for conference – Annual report year: 1995

Outbreaks of IPN in reared fry of Atlantic cod Gadus morhua
Lorenzen, E., Olesen, N. J., Evensen, Ø. & Strum, A. 1995
Publication: Research › Conference abstract for conference – Annual report year: 1995
Serological studies on Danish isolates of Flexibacter psychrophilus associated with coldwater disease or rainbow trout fry syndrome
Lorenzen, E. & Olesen, N. J. 1993
Publication: Research › Conference abstract for conference – Annual report year: 1993

Vaccination trials on rainbow trout fry using formaline killed cells of F. psychrophilus
Lorenzen, E. & Olesen, N. J. 1993
Publication: Research › Conference abstract for conference – Annual report year: 1993

Projects:

Improved vaccination strategies in marine aquaculture
01/04/2008 → 30/09/2012
Project