

Navn: Matthew Baranski

Stilling Forsker

Adresse Nofima Marin, Postboks 5010, 1432 Ås

Telefon 930 60 289

E-post **matthew.baranski@nofima.no**

Grad/utdanning

2006 PhD, *Molecular markers for abalone aquaculture*. Deakin University/Department of Primary Industries, Victoria, Australia

2001 B.Sc (Honours). *Genetic variation in common carp*. Deakin University.

2000 B.Sc (Aquatic Science). Deakin University, Warrnambool, Australia.

Erfaring/praksis

2006- Research Scientist at Nofima

2002-2006 PhD. School of Life and Environmental Sciences, Warrnambool, Australia.

Nåværende forskningsoppgaver og interesseområder

2002- Development and mapping of genetic markers. Mapping of QTL for important commercial traits. Implementation of marker-assisted selection. Use of next-generation sequencing and genotyping technologies in aquaculture species. Improving disease resistance in cultured fish and shellfish species.

Utvalgte publikasjoner

Publikasjoner med referee

2008 Baranski, M., Rourke, M., Loughnan, S., Hayes, B., Austin, C., and Robinson, N. Detection of QTL for growth rate in the blacklip abalone (*Haliotis rubra* Leach) using selective DNA pooling. *Animal Genetics*. **39**, 606-614.

2008 Moen, T, Hayes, B., Baranski, M., Berg, P., Kjøglum, S., Koop, B., Davidson, W., Omholt, S., and Lien, S. A linkage map of the Atlantic salmon (*Salmo salar*) based on EST-derived SNP markers. *BMC Genomics*. **9**: 223.

2007 Hayes, B., Baranski, M., Goddard, M. and Robinson, N. Optimisation of marker assisted selection for abalone breeding programs. *Aquaculture*. **265**, 61-69.

2006 Baranski, M., Loughnan, S., Austin, C. and Robinson, N. A microsatellite linkage map for the blacklip abalone *Haliotis rubra*. *Animal Genetics*. **37** (6), 563-570.

- 2006 Baranski, M., Rourke, M., Loughnan, S., Austin, C and Robinson, N. Isolation and characterization of 125 microsatellite DNA markers in the blacklip abalone, *Haliotis rubra*. *Molecular Ecology Notes*. **6**(3), 740-746.

Utvalgte foredrag

Konferanseartikler/-foredrag

- 2008 Foredrag: Use of SNP chips and selective DNA pooling to map QTL for disease resistance in Atlantic salmon. ISAG 2008, Amsterdam, Netherlands.
- 2007 Foredrag: QTL mapping for ISA resistance in commercial salmon populations using SNP chips. Fish Breeders' Round Table. Ålesund, Norway.
- 2006 Foredrag: Detection of QTL for growth rate in abalone using selective DNA pooling. Genetics in Aquaculture IX. Montpellier, France.
- 2003 Foredrag: New microsatellite markers for QTL detection and MAS in *Haliotis rubra* and *H. laevigata*. 5th International Abalone Symposium, Qingdao, China.