






Contacts, Bjarne Gjerde Main supervisor BioVit				
				
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Suggested master thesis subjects:

Contact person and main supervisor NMBU Prof. Bjarne Gjerde

- Genotype by environment interaction for early sexual maturity in rainbow trout.
- Genetic correlation between body weights recorded at five different ages; data from both Atlantic salmon and rainbow trout.
- Genetic variation in early life history traits (egg size, survival) in Atlantic salmon and rainbow trout.
- Dissemination strategies for genetic gain in aquaculture selective breeding programs
- A comparison of genetic gain when applying individual (own performance) and combined (own + sib performance) selection for several traits.

Contact person: Anna Sonesson, main supervisor NMBU Prof. Bjarne Gjerde

- The use of NIR-spectroscopy to measure fat related traits for breeding in seabass and seabream (Anna Sonesson, N-K Afseth)

Contact person: Ingrid Olesen, main supervisor NMBU Prof. Bjarne Gjerde

- Willingness to pay for organic salmon – correspondence between hypothetical and real choice experiment (Organic aquaculture, cooperation with School of Economics and Business).

Contact person: Anne Kettunen, supervisor NMBU Prof. Bjarne Gjerde

- Prospects for breeding and genetic improvement of new aquaculture species (e.g. seaweed, blue mussels) for the future circular bioeconomy.
- Realization of Optimal Contribution Selection in a practical cod breeding program
- Genetic variation for optimal body composition in Atlantic Cod (Anne Kettunen, Luqman Aslam)

Contact person: Gareth Difford, main supervisor NMBU Prof. Bjarne Gjerde

- Genetic analysis of body composition in European seabass
- Genetic analysis of migrant probability of A. salmon