



FRA AVL TIL BIFF

### **Quantitative Geneticist opportunity at TYR, Norway**

TYR is a national breeding- and interest organization for Norwegian beef producers owned by the beef farmers. The organization has about two thousand members and ten employees. TYR is responsible for the national breeding program on beef cattle, as well as promoting beef cattle and beef production in political agriculture negotiations.

We are currently in the implementation phase of single step genomic selection for routine evaluation in TYR and are looking for an experienced researcher that can contribute to the further development of the method and breeding programs in general.

#### **Main working areas:**

- Routine genetic/genomic evaluation
- Evaluation and further development of genomic prediction models (ssGBLUP)
- Processing and statistical analysis with genomic data
- Communication of R&D results, nationally and internationally
- Variance component estimation and model development for new traits
- Assist in data preparation for international evaluation (InterBeef)
- Participation in research projects and supervising students
- Writing applications for new research and innovation projects
- Write and publish scientific papers based on our research

#### **Key qualifications:**

PhD level genetics/statistics/mathematics.

- Preferable experience in genetic evaluation with MIX99 and/or DMU or similar programs
- Proficient in programming language such as R, Python, or a related language with experience in writing scripts to automate analysis.
- Good knowledge of SQL databases
- Demonstrable experience in Linux
- Experience with quality control and imputation of genotype data (e.g., plink, FImpute)
- Good cooperation and communication skills
- Structured and flexible team worker
- Fluent English
- Scandinavian speaking or motivation to learn Norwegian

If you enjoy challenges and working within genetics and statistics, TYR offer opportunities for personal and scientific development in a growing organization. As a part of our team, you will be seated together with researchers in the breeding organizations Geno, Norsvin and TYR, at Center for Breeding and Biotechnology in Hamar. Some travelling nationally and internationally will be expected.

Informal enquires can be made to Hadi Esfandyari ([hadi.esfandyari@tyr.no](mailto:hadi.esfandyari@tyr.no)) and Siri Furre ([siri.furre@tyr.no](mailto:siri.furre@tyr.no)).

Send a short application letter and CV to Breeding and R&D manager Siri Furre, [siri.furre@tyr.no](mailto:siri.furre@tyr.no) before February 12th.