



**Waugh Robbie**

### **Synopsis of recent research and achievements**

We have made highly significant international contributions to the development and application of genetics and genomics technologies for barley. These provide a platform for biologically focussed research projects throughout the cereals community and translational research from models to crops, and crop to application. The team is recognised as being at the forefront of resource and technology development and exploitation in both academic and commercial genetics programmes. Our most significant recent advances have been the development and application SNP-based OPA technology to 'association mapping', and the use of microarray technology for 'transcript abundance genetics'. We are leading the exploitation of these platforms in association genetics, population genetics, mutant mapping and physical/genetic map anchoring. We are leading the translation of advances in genomics into applications with end user relevance and as such currently enjoy vibrant interaction with the European commercial breeding sector.

### **Some recent References**

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