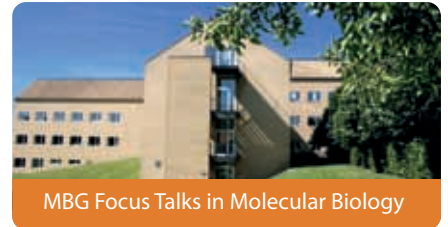


MBG FOCUS TALK

hosted by Stig U Andersen



Friday 5 July 2019 at 10:00-11:00

Meeting Room 5 (3340-114), Science Park

Senior Scientist Andrew Griffiths

Forage Improvement group, AgResearch, Hamilton, New Zealand

White Clover: Developing Genomic Selection in Agronomic traits and Rhizobium Symbiosis.

White clover (*Trifolium repens* L.) is a principal legume in temperate pastoral systems that produces high quality forage and fixes atmospheric nitrogen into plant available forms through bacterial (*Rhizobium*) symbiosis. At AgResearch in New Zealand there is a long history in clover and perennial ryegrass (*Lolium perenne*) cultivar development which has been augmented in recent years with the development of substantial genomic and genetic resources. This is now being further progressed by implementing Genomic Selection strategies to improve breeding efficiency in this outbred forage species.

This seminar will provide an overview of major white clover programmes including development, implementation and recent results of Genomic Selection for a range of simple to complex traits such as cyanogenesis, dry matter yield, and *Rhizobium* symbiosis for enhanced biological N-fixation.