

## **Wine Country, Enology & Viticulture, Natural Products, Food Science & Pharmacology Circle**

Agriculture, in particular horticulture is one of the more important industries in the Okanagan. UBC-O can support the economic development of this industry with research into the improvement of crop quality, crop processing and the development of new products such as nutraceuticals. Research areas that could make a significant impact include enology and viticulture to support the wine industry, food science to develop new products, support processing and improve the quality of current products, microbiology to support food processing (beer and wine fermentation) and food quality, natural products chemistry to understand the development of quality in foods such as color and aroma, to support the development of a nutraceutical industry and to discover new pharmaceuticals and pharmacology to support the development of a nutraceutical industry and to pursue new pharmaceuticals.

To expand and develop a research cluster as described above, we feel the following expertise would be necessary:

- analytical chemist,
- wine chemist (senior),
- fermentation microbiologist (senior),
- bacterial microbiologist (senior),
- flavor chemist,
- pharmacologist, and
- an applied statistician.

### **University Circle Members:**

Melanie Jones (Ecophysiologicalist)

Nigel Eggers (Natural Products Chemistry)

Dan Durall (Microbiology)

Paul Shipley (Natural Products Chemistry)

Soheil Mahmoud (Molecular Biology and Natural Products Chemistry)

Rob O'Brien (Analytical Chemistry).