

# CSAS Award of Excellence in Nutrition and Meat Science

## Michael Dugan, PhD

Agriculture and Agri-Food Canada

*Dr. Dugan was unable to attend the meeting. Dr. John Meadus accepted the award on his behalf from Dr. Robert Berthiaume, CSAS President*

Dr. Dugan was born in Alberta and received his BSc and PhD at the University of Alberta. Dr. Dugan is currently a research scientist for AAFC in Lacombe.

In addition to his service to the Canadian Society of Animal Science as vice president and president and associate editor for the Canadian Journal of Animal Science, Dr. Mike Dugan has displayed an impressive list of career achievements to date in terms of scientific journal publications (70 papers to date), scientific conference publications (164 to date), book chapters (6 to date), technology transfer articles and numerous industry reports.

Dr. Dugan's research achievements and contribution to the field of fatty acid metabolism in swine and beef have been impressive. Dr. Dugan was one of the first researchers globally to demonstrate the repartitioning ability of conjugated linoleic acid (CLA). This discovery has led to the opportunity for the swine industry to manipulate, through nutritional means, the fat and lean composition in swine carcasses as well as create a healthier fatty acid profile in pork.

Over the past decade Dr. Dugan has gone on to further elaborate this process in swine and also, through collaboration, demonstrate the importance of the CLA inclusion in animal diets in other animal species. Numerous related contributions have also been evident in fatty acid methodology, research into GMO inclusion in animal diets and work with flax diets and grain distillers diets.

The impact and significance of Dr. Dugan's research for human health implications are considerable and merit recognition.

**The CSAS Award of Excellence in Nutrition and Meat Science is sponsored by Nutreco Canada Inc.**