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South Australia

Sansom Institute
for Health Research

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Sansom Institute Visiting Researcher Seminar

Date: Wednesday 30th March 2011

Time: 4:00pm – 5:00pm

Place: PM-06, Playford Building
City East Campus
University of South Australia
Frome Road, Adelaide

RSVP: 29th March 2011
sansominstitute@unisa.edu.au

The Sansom Institute for Health Research is pleased to invite you to a Visiting Researcher Seminar.

Dr Nikolai Borisjuk

Senior Scientist, Biotechnology Foundation Laboratory, Thomas Jefferson University, Philadelphia USA

Plant genetic engineering for human health and biofuel

Dr. Nikolai Borisjuk is a Senior Scientist at the Biotechnology Foundation Laboratory of Thomas Jefferson University in Philadelphia. He graduated from the Kiev State University in Ukraine and completed his PhD at the Institute of Cell Biology and Genetic Engineering, Kiev. He held a Humboldt Research Fellowship at the Tübingen University in Germany and worked as a research assistant professor at Rutgers University and Thomas Jefferson University in the USA.

Dr Borisjuk has recently been involved in the development of plant-based systems for expression of recombinant proteins for pharmaceutical purposes and metabolic engineering of plant biomass for production of biofuel.

Dr Borisjuk's research has led to publications in Nature Biotechnology and the development of new technologies for the production of recombinant proteins, based on the rhizosecretion from hydroponically grown plants. Rhizosecretion which offers a low-cost, large-scale recombinant protein production system became the basic technology of Phytomedics. In addition, Dr Borisjuk invented a method for the construction of a new plant transformation vector to significantly increase expression of valuable pharmaceutical proteins in transgenic plants.