

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Professor Aram Teymurazyan, Physics Department,
University of Regina

TOPIC: *Novel Detectors for Improving Diagnosis and Treatment of
Breast Cancer*

DATE: Tuesday, March 29, 2016

TIME: 3:30-4:30pm.

PLACE: Rm. 103, Physics Building

ABSTRACT:

The ability to detect and diagnose medical conditions accurately and at the earliest stage of disease is critical for effective treatment and recovery. While imaging devices and technologies have greatly improved our ability to visualize body tissues and processes, they are often coupled to “off the shelf” general purpose detectors that may limit their potential value for specific medical applications and which certainly have not been optimized for particular imaging modalities. The goal of my work is to develop the next generation of customized detectors to refine existing medical imaging applications. My talk will focus on novel PET and Gamma-Camera technologies that aim to improve the capabilities, efficiencies, and costs associated with medical imaging requirements of breast cancer diagnosis and treatment.

Coffee and Cookies will be served in the Physics lounge at 3:00 pm. for those attending the seminar.