

Division of Biomedical Engineering

BIOE 990 Seminar

April 20, 2016 (Wednesday), 1B79 Engineering Building

12:55 – 1:00 pm Opening – Prof. Gordon Sarty

Session 1: Chair – Prof. Gordon Sarty

- 1:00 – 1:20 pm:** **1. X-ray Irradiation Induced Hole Lifetime Change in Stabilized a-Se Photoconductive Films**, Junyi Yang, MSc Candidate supervised by Dr. Safa Kasap and Dr. Michael Bradley.
- 1:20 – 1:40 pm:** **2. Realization of a Canine Positioning Device for *in situ* Prostate Phase Contrast – Computed Tomography Imaging**, Jay Keith, PhD Candidate supervised by Dr. Murray Pettitt and Dr. Elizabeth Snead.
- 1:40– 2:00 pm:** **3. Drug Target Identification Based on Controllability of Complex Networks**, Lin Wu, PhD Candidate supervised by Dr. Fang-Xiang Wu.
- 2:00– 2:20 pm:** **4. Biomarker Identification from Clinical Time-course Gene Expression Data**, Yichao Shen, MSc Candidate supervised by Dr. Fangxiang Wu
- 2:20– 2:40 pm:** **5. Magnetic Resonance Elastography for Applications in Radiation Oncology**, Lumeng Cui, MSc Candidate supervised Dr. Niranjana Venugopal, Dr. Paul Babyn and Dr. Francis Bui.
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2:40 – 3:10 pm: Coffee Break

Session 2: Chair – Prof. Daniel Chen

- 3:10 – 3:30 pm:** **6. Fabrication of Peptide Modified 3D Alginate Scaffold for Nerve Tissue Regeneration**, Md Ariful Islam Sarker, PhD candidate supervised by Dr. Daniel Chen and Dr. David Schreyer.
- 3:30 – 3:50 pm:** **7. Affective Interface-Towards Machine Which Has Emotion**, Haili Lu, MSc Candidate supervised by Dr. Chris Zhang.
- 3:50 – 4:10 pm:** **8. Production of Nano-CuO Based Chips for Endogenous H₂S Detection**, Syed Ahmad, MSc Candidate supervised by Dr. Ramaswami Sammynaiken and Dr. Chris Zhang
- 4:10 – 4:30 pm:** **9. Protein Adsorption on Nitrogen-Doped Amorphous Carbon Films**, Jason Maley, PhD Candidate supervised by Dr. Chris Zhang and Dr. Akira Hirose
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4:30 – 4:35 pm Closing Remarks – Prof. Daniel Chen
