

End of the Year Celebration

8:45 - 9:15 AM

Refreshments and Poster Setup

9:15 - 9:30 AM

Opening Remarks and Announcements

9:30 - 10:30 AM

Research Talks by Undergraduate and Graduate Students

Amy Maria Sims (adviser **Dr. Pejman Sanaei**) "Simplified and electrostatic models for deposition in a filter"

Taiwo Ayeni (adviser **Dr. Yichuan Zhao**) "The QTEG Distribution and Its Empirical Likelihood Extension for Survival Modeling"

Marrium Shamshad (adviser **Dr. Igor Belykh**) "Interictal scale-free neural dynamics identify epileptogenic cortex"

Alireza Fiujaali (adviser **Dr. Guantao Chen**) "Characterizing Graphs Achieving an Upper Bound on Chromatic Index Involving Girth (Steffen's Bound)"

10:30 - 11:00 AM

Keynote talk by Dr. Russell Jeter, "Out of the Hospital, Into the Living Room: Data Analytics in the Real World"

11:00 - 12:00 PM

RIMMES Poster Blitz (by **Dr. Florian Enescu**)

12:00 - 1:00 PM

Lunch/ RIMMES Poster Session

1:00 PM - 2:00 PM

Faculty and Student Award Ceremony

2:00 - 3:00 PM

Research Talks by Undergraduate and Graduate Students

Ivanna Poliashenko (adviser **Dr. Yaroslav Molkov**) "Linking Axon Initial Segment Remodeling to Motoneuron Dysfunction After Spinal Cord Injury"

Justyna Sokolik (adviser **Dr. Pejman Sanaei**) "Modeling the spread of a Zombie Virus"

Sheriff Akeeb (adviser **Dr. Yi Jiang**) "Born or Made? Modeling the Origins of Leader Cells in Collective Cancer Invasion"

Dilmini Warnakulasooriya (adviser **Dr. Vladimir Bondarenko**) "The effects of beta1- and beta2-adrenoceptor stimulation on mouse ventricular myocyte contraction: a study based on a comprehensive mathematical model"

FRIDAY, APRIL 10

8:45 AM - 3:00 PM

25 PARK PLACE, 223