Program: Undergraduate Research in Biomathematics
April 21-22, 2006, SUNY Geneseo

Friday, April 21
6:00 – 9:00 PM  Dinner at the Big Tree and Discussions on Biomathematics

Saturday, April 22

9:30  Opening remarks. Dr. Kate Conway-Turner, Provost and Vice President of Academic Affairs, SUNY College at Geneseo
  Location = South Hall, Room 340

  Keynote address:  “Agroterrorism in the US: Security Challenge for the 21st Century.” Dr. Alexander Kasiyanov,
  Exypnos Research Institute, Omaha, NE

10:45 – 11:00  Refreshments (South 235)

11:00 – 12:00  Student Oral Presentations (South 340)

  11:00  FitzGerald, Daniel, and Gregg Hartvigsen. The dynamics of cooperation in small-world networks. SUNY Geneseo.
  11:15  Vyacheslav Rykov and Vladimir Ufimtsev. Efficiency of the Two-Stage Group Testing Algorithm for DNA Library Screening. University of Nebraska at Omaha

12:00 – 1:30  Lunch (South 235)

1:30 - 2:45  Student Presentations (South 340)

  1:30  Callear, Christina, and Anthony Macula. Optimization and expansion of an approach to group testing. SUNY Geneseo.
  1:45  Kyu, Shuya. Specialized herbivore feeding leads to increased speciation in plants. SUNY Geneseo.
  2:00  Darling, Michael, and Dr. Cheri Boyd. Why PAM works: an in-depth look at scoring matrices and algorithms. Nazareth College of Rochester.

2:45 – 3:00  Refreshments (South 235)
3:00 – 3:30  Guided Tours of Student Posters (South, 3rd Floor Hallway)

3:30 – 4:45  Student Oral Presentations (South 340)


3:45  McCarthy, Andrew, and Gregg Hartvigsen. The effect of network structure on influenza evolution. SUNY Geneseo.

4:00  Kremer, Colin, Kate Huggler, Gregg Hartvigsen, and Gary Towsley. Investigating control methods for Dendroctonus rufipennis outbreaks using computer modeling. SUNY Geneseo.

4:15  Dresch, Jacqueline. The largest component in subgraphs of circulant-like graphs. SUNY Geneseo.

4:30  Hirschbeck, Sarah, Christian Volk, and Feizabadi Mitra Shojania. A biomathematical approach for investigating the evolution of tumors during a course of chemotherapy. Canisius College.

4:45 – 6:00  Dinner and Closing Remarks (South 235)

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