

Fall Fest 2003 Presentations

Biology

1. "Physiological Effects of Dietary Omega-3 Fatty Acids in the Laboratory Mouse"
Lauryn Christiansen '04, Jennifer MacDonald '04 /sponsor- Prof. Timothy Lyerla
2. "Determining the Origin and Evolution of Unisexual Clonal Triploid Mole Salamanders"
Molly R. Letsch '04 /sponsor- Prof. Chris Spolsky (NSF)
3. "Functional Analysis of Centrosomes in Dictyostelium discoideum"
Mary Badon '05 (Anton Fellow) /sponsor- Prof. Denis A. Larochelle
4. "Sex Ratio and Morphology Studies of the Intertidal Copepod, Tigriopus Californicus"
Laran Kaplan '05 /sponsor- Prof. Deborah Robertson

Biochemistry and Molecular Biology

5. "The Exocyst Complex: Determination of Sec 10 and Sec 15 Protein Interactions"
Lacey Archambault '04 /sponsor- Prof. David Thurlow
6. "Measles Virus Fusion: Cloning and Expression of Measles Hemagglutinin (H) and Fusion (F) Genes in Vector PCAGGS"
Kriti Gaur '04 (Anton Fellow)
sponsor- Prof. David Thurlow
7. "Bacteria in Human Wounds"
Courtney Mayo '04 /sponsor- Prof. David Thurlow
8. "Human Tonsillar Cell Responses to Epstein-Barr Virus"
Juliana Demelfi '04
sponsor- Prof. David Thurlow
9. "Kinetic Studies of ATP/CTP:tRNA Nucleotidyltransferase from *Methanococcus jannaschi*"
Zu Shen '04 /sponsor- Prof. David Thurlow
10. "Synthesis of Voltage-Gated Potassium Channel Inhibitors"
Michaela Martin '04
sponsor- Prof. David Thurlow
11. "Effects of Extracellular Nitrogen on the Regulation and Expression of GSII in Skeletonema Constatum"
Miguel Stein '04 /sponsor- Prof. Deborah Robertson

Geography

12. "Children's Access to Worcester Public Playgrounds: A Comparison of Two Neighborhoods"
Sara Levenson '04 /sponsor- Prof. Susan Hanson

13. "The Falun Gong Family Rescue Campaign; International Networks and Human Rights in China" **Daniel Pomerleau '04** /sponsors- Prof. Susan Hanson and Prof. Paul Ropp

HERO Fellows

14. "Assessing the Effectiveness of Land Conservation in the North Quabbin Region of Massachusetts: 1993 to 2003" **Nicholas Malizia '05** /sponsor- Prof. R. Gil Pontius, Geog.
15. "Building a Digital Map of Massachusetts Land Cover of 1951" **Christopher Lippit '05, Matthew Holden '05** and **Carissa Williams '03** /sponsor-Prof. R. Gil Pontius, Geography/IDCE
16. "The Vulnerability of Climate Change to Community Water Systems in Central Massachusetts" **Maatsi Angwafo '05, Yasmin Bowers '05** and **David Kent '04** sponsor- Prof. R. Gil Pontius, Geography/IDCE

Higgins School of Humanities

17. "North-house": Poems from the Orkneys **Margaret Bethray '04** sponsor- Prof. Virginia Vaughan
18. "Everybody's Waiting" **Jay Shapiro '04** /sponsor - Prof. Virginia Vaughan

Anton Fellowship Program

19. "The Economic Geography of Lexington, MA 1775: To Sacrifice Estates and Life Itself in Support of the Common Cause" **Stefanie Bator '05** sponsors- Prof. Amy Richter and Prof. Sharon Krefetz

The Lois and Robert Green Urban Development and Social Change Summer Internship

20. "Reflections on the Issue Concerns and Representation Style of a Worcester City Councilor" **Ashley Blake '05** /sponsor- Prof. Sharon Krefetz

Urban Development and Social Change Summer Research Fellowship

21. "Neighborhood Change in South Worcester and Main South" **Heather Kamyck '04** sponsor- Prof. Sharon Krefetz and Trina Hamilton, graduate student collaborator