

Celebrating Collaborations: Students and Faculty Working Together Saturday, April 18, 2009 8 a.m.-4 p.m.

Smith College's annual showcase of student research and performance highlights students' intellectual achievements and collaborative efforts with faculty in a variety of departmental, program and interdisciplinary projects. It is

a celebration of liberal arts education.

It is our hope that all members of the Smith community and many guests will partake in the educational richness of this day, recognizing that these sessions are a mere sampling of the exciting student-faculty collaborations that unfold on our campus every day.

Program



Collaborations Across Borders: denotes presentations with an international or intercultural focus in the spirit of Smith's mission as a global college

8–9:30 a.m.

Morning Refreshments
Campus Center second floor

8:30–10:30 a.m. Science Poster Session

Campus Center second floor

Science poster displays are numbered to correspond with the numbers below.

Erin Braswell '09 1

The Music of the Spheres: Exploring the Connections Between Astronomy and Music; science poster session deriving from special studies with Suzan Edwards, professor of astronomy

Azucena Ramos '09 and Elizabeth Deschene '09 2

The Role of Slit and Their Roundabout Receptors in Commissure Development Within the Zebrafish Forebrain; science poster session deriving from work with Michael Barresi, assistant professor of biological sciences

Sarah Bashiruddin '10 3

Defining the Role of Glia in Post-Optic Commissure Formation in Zebrafish; science poster session deriving from special studies with Michael Barresi, assistant professor of biological sciences

Kimberly Johnson GR 4

The Role of Eg5 Kinesin in Regulating Radial Glial Cell Number in Zebrafish; science poster session deriving from work with Michael Barresi, assistant professor of biological sciences

Sarah Anne Kam '09, Hanna Sherrill '09 and Alexis Ziemba '12 5

Anesthetic Preconditioning in Mouse Neuroblastoma; science poster session deriving from thesis with Adam Hall, associate professor of biological sciences

Laura-Louise Campbell 10J and Alexis Ziemba '12 6 Anesthetic-Induced Neurite Retraction in Primary Murine Cortical Neurons; science poster session deriving from special studies with Adam Hall, associate professor of biological sciences

Sarah Wardlaw '09, Molly Gibson '09 and Allison Ulrich 11J **7**

Studies of Cationic Flux Through Cyclic Peptides; science poster session deriving from special studies with Adam Hall, associate professor of biological sciences

Katherine Lofgren '09 8

Biology Above Treeline; science poster session deriving from special studies with Virginia Hayssen, professor of biological sciences

Cora Waterman '11 and Ashley Urrutia '11 9

The Correlation Between Coat Color and Body Size Across the Genus *Peromyscus:* Larger Deer Mice Are Darker Than Smaller Deer Mice; science poster session deriving from work with Virginia Hayssen, professor of biological sciences

Jennifer Yoo '11 10

Methodilogical Improvements of Cortisol Collection in *Canis familiaris*; science poster session deriving from work with Virginia Hayssen, professor of biological sciences

Jennifer DeBerardinis '11 11

Non-Mandelian Inheritance in *Chilodonella uncinata;* science poster session deriving from STRIDE research with Laura Katz, Elsie Damon Simonds Professor of Biological Sciences

Hannah Jaris '09 12

Genetic Diversity of Ciliates in the Near Coastal Sediment; science poster session deriving from thesis with Laura Katz, Elsie Damon Simonds Professor of Biological Sciences

Meaghan Hall '10 13

Intraspecific Mitochondrial Genome Variation in *Chilodo-nella uncinata*; science poster session deriving from special studies with Laura Katz, Elsie Damon Simonds Professor of Biological Sciences

Rachel Rock-Blake '09 14

150 Years of Change in Coastal Ecology: An Analysis of the Algae Collected by Eliza M. French; science poster session deriving from special studies with Paulette Peckol, Louise C. Harrington Professor of Biological Sciences

Phung Nguyen '10 and Lily Maynard '11 15

Bugs in the System: A Comparison of Invertebrate Biodiversity Between Two Rivers in Western Massachusetts; science poster session deriving from special studies and STRIDE research with L. David Smith, associate professor of biological sciences

Chelsea Vaughn '09 16 @

People Pressures on Previously Pristine Places: A Comparative Study of Coral Biodiversity Near Hoga Island, Indonesia; science poster session deriving from special studies with L. David Smith, associate professor of biological sciences

Noëlle Bittner '09 17

Allozyme Analysis of a Contact Zone Between Two mtDna Haplotypes in *Desmognathus ocoee* (Amphibia: Plethodontidae); science poster session deriving from thesis with Stephen Tilley, Myra A. Sampson Professor of Biological Sciences

Patricia Brazee '10 18

Thermoregulation of Gene Experession in *E. coli;* science poster session deriving from special studies with Christine White-Ziegler, associate professor of biological sciences

Amanda Taus '09 19

Hypothetical to Helpful: Identification of Novel Protein in Brugla Malayi; science poster session deriving from work with Steven Williams, Gates Professor of Biological Sciences

Melinda Ng '09 20

Thermodynamic Stability of the Sp Lesion in Oxidized DNA; science poster session deriving from special studies and SURF with Elizabeth Jamieson, assistant professor of chemistry

Megana Dwarakanath '10, Yili Liao '09 and Maud M. Martei '10 **21**

Impact of Oxidation of Guanine Base on the Thermodynamic Stability of DNA Duplex; science poster session deriv-

ing from special studies with Elizabeth Jamieson, assistant professor of chemistry

Eliza Spear '12 22

Pseudo-Rotation in XY3 Compounds (X=I, Br, Cl; Y=F, Cl); science poster session deriving from STRIDE research with Robert Linck, professor of chemistry

Cristina Santarossa '11 and Georgina Lopez '09 23 What Lies Beneath: The Influence of Substrate Surface Chemistry on Biofilm Nucleation; science poster session deriving from summer research with Kate Queeney, associate professor of chemistry

Susanna Michael '12 and Carmen Say '11 24

Why So Wettable? Using Dynamic Contact Angle to Monitor Oxidation of Hydrogen-Terminated Silicon; science poster session deriving from STRIDE research and independent study with Kate Queeney, associate professor of chemistry

Carmen Say '11 25

From Nanorough to More Robust: Using Dynamic FT-IR Spectroscopy to Monitor the Surface Topography of Chemically Modified Silicon; science poster session deriving from independent study with Kate Queeney, associate professor of chemistry

Leslie Herndon '10 26

Synthetic Routes Toward Inhibition of Bacterial Quorum Sensing; science poster session deriving from special studies with Tanya Schneider, visiting assistant professor of chemistry

Erena Farah Ousman '11 and Keturah Edwards '11 az

Development of a Novel Dienophile for Acid-Promoted Diels-Alder Reactions; science poster session deriving from AEMES research with Kevin Shea, associate professor of chemistry

Kerry Valentine AC'09 28

Using Cl-NMR to Detect Anionic Flux Mediated by Antibiotics; science poster session deriving from special studies with Cristina Suarez, associate professor of chemistry, and Adam Hall, associate professor of biological sciences

Yang Li '11 29

Protein Flexibility Analysis: A Friendly Interface; science poster session deriving from special studies with Ileana Streinu, professor of computer science

Diana Jaunzeikare '11 30

Protein Flexibility Analysis on the Whole Protein Data Bank; science poster session deriving from classwork with Ileana Streinu, professor of computer science

Christine Grascia '09 31

Visualizing the Hidden Information in Wikipedia; science poster session deriving from thesis with Dominique Thiébaut, associate professor of computer science

Kelly Dwan '09 32

3D-Visualization of 2D Brain Scans; science poster session deriving from special studies with Dominique Thiébaut, associate professor of computer science

Chin Yen Tee '11 33

Quantifying the Cost of Wind Power Variability on a Transmission Network; science poster session deriving from research assistance with Judith Cardell, Clare Boothe Luce Associate Professor of Computer Engineering

Shannon Comiskey '09, Ilda Dule '10, Darcy Dwyer '11, Sari Field '09, Sangay Kazi '09, Katherine MacKenzie '11, Bhavna Mungur '12, Courtney Murphy '11, Nancy Orth '09, Prateek Rajbhandari HC and Jingxin Wu '12 34

Applied Design and Phototyping; science poster session deriving from classwork in IDP 250 with Susannah Howe, design clinic director, and Eric Jensen, manager of the Center for Design and Fabrication

Jillian Bauer '09, Sangay Kazi '09, Zhi Min Lin '09 and Nasheeta Sarwar '09 35

Design Concepts for a User-Friendly Blood Glucose Monitor; science poster session deriving from classwork in Engineering Design Clinic sponsored by LifeScan with Susannah Howe, design clinic director, and Linda Jones, Rosemary Bradford Hewlett 1940 Professor of Engineering

Teresa Berra '09, Emily Burks '09, Chiaré Hwang '09 and Alisa Stratulat '09 36

Design of a System for 3D Tracking of Personnel; science poster session deriving from classwork in Engineering Design Clinic sponsored by MIT Lincoln Laboratory with Susannah Howe, design clinic director, and Denise McKay, assistant professor of engineering

Stephanie Anderson '09, Sarah Armstrong '09, Kristyn Hall '09 and Marni Mallari '09 **37**

Design of Alternatives to Treat Dairy Milkhouse Washwater; science poster session deriving from classwork in Engineering Design Clinic sponsored by the Natural Resources Conservation Service with Susannah Howe, design clinic director, and Andrew Guswa, associate professor of engineering

Najia Ahmed '09, Joyce Cheung '09, Perditha Sloan '09 and Marice Uy '09 38

Design of a Flow Measurement System for Avery Brook; science poster session deriving from classwork in Engineering Design Clinic sponsored by the Northampton Department of Public Works with Susannah Howe, design clinic director, and Andrew Guswa, associate professor of engineering

Shannon Comiskey '09, Sari Field '09, Erica Kibbe '09 and Akosua Taylor '09 39

Design of an Automobile Suspension System for the Vehicle Design Summit Initiative; science poster session deriving from classwork in Engineering Design Clinic sponsored by the Vehicle Design Summit and the National Collegiate Inventors and Innovators Alliance with Susannah Howe, design clinic director, and Denise McKay, assistant professor of engineering

Katherine MacKenzie '11 and Alexandra Deahl '11 40 Efficient Building Research and Energy Analysis for the Westhampton Library; science poster session deriving from special studies with Paul Voss, assistant professor of engineering

Gabrielle Merchant '09 41

Normative Energy Reflectance Measurements in Newborn and One-Month-Old Infants; science poster session deriving from thesis with Susan Voss, associate professor of engineering, and Nicholas Horton, associate professor of mathematics and statistics

Roxanne Renedo '09 42 @

Metamorphism of Graphitic Schists in Syros, Greece; science poster session deriving from thesis with John Brady, Mary Elizabeth Moses Professor of Geology

Eleanor Powell '09J and Lily Seidman '11 43 Folds and Breccia at Barton Cove; science poster session deriving from special studies with H. Robert Burger, Achilles Professor of Geology

Kristen Rahilly '10, Roxanne Renedo '09, Danielle Schmandt '09 and Maya Wei-Haas '09 44
Subsurface Investigation: An Electromagnetic and Seismic Survey South of the Northampton Landfill, Western Mass; science poster session deriving from classwork with H.
Robert Burger, Achilles Professor of Geology

Hannah Wren Dunning '09, Madeline Weigner '09 and Trea Schumacher '09 45 ⊜

Coral Reef Ed-Ventures 2009; science poster session deriving from work with H. Allen Curran, William R. Kenan Jr. Professor Emeritus of Geology; Susan Etheredge, associate professor in education and child study; and Paulette Peckol, Louise Harrington Professor of Biological Sciences

Madeline Weigner '09 and Sarah Motti '10 46

Trapping and Cementation of Carbonate Sand Around Roots and Stems of Dune Plants: Modern Analog for the Formation of the Spongiform Texture in Carbonate Deposits; science poster session deriving from classwork and field research with Bosiljka Glumac, associate professor of geology; H. Allen Curran, William R. Kenan Jr. Professor Emeritus of Geology; and Sara Pruss, assistant professor of geology

Sarah Motti '10 and Madeline Weigner '09 47

Formation of Polygonal Fractures in Carbonate Sand; science poster session deriving from classwork and field research with Bosiljka Glumac, associate professor of geology; H. Allen Curran, William R. Kenan Jr. Professor Emeritus of Geology; and Sara Pruss, assistant professor of geology

Sarah Motti '10 and Madeline Weigner '09 48 @

Composition and Texture of Sediment along a Beach-to-Offshore Transect at Pigeon Cay, Cat Island, Bahamas; science poster session deriving from classwork and field research with Bosiljka Glumac, associate professor of geology; H. Allen Curran, William R. Kenan Jr. Professor Emeritus of Geology; and Sara Pruss, assistant professor of geology

Rachel Neurath '09 49

Atmospheric Mercury Deposition in an Isolated Environment: A 300-Year Record at Block Island, Rhode Island; science poster session deriving from thesis with Robert Newton, professor of geology

Maya Wei-Haas '09 50 @

Glauconite Weathering in an Arctic Environment; science poster session deriving from thesis with Robert Newton, professor of geology

Sara Sirois '11 51

Meteorological Conditions at MacLeish Field Station; science poster session deriving from AEMES research with Robert Newton, professor of geology

Katie Castagno '12 52 @

Snowball Earth: What's Wrapped Up in Namibian Roll-Up Structures?; science poster session deriving from STRIDE research with Sara Pruss, assistant professor of geology

Mai Houa Vue '12 53 🚳

Mass Extinction and Recovery: New Insights from the Middle Triassic of Northern Italy; science poster session deriving from AEMES research with Sara Pruss, assistant professor of geology

Alexandra Breus '10 54 @

The Rise of Animal Skeletons: A Quantitative Analysis of the Ordovician Radiation; science poster session deriving from special studies with Sara Pruss, assistant professor of geology

Emily Bush '11 **55** 🗐

Carbon Isotope Analysis of the St. George Formation, Western Newfoundland; science poster session deriving from special studies with Sara Pruss, assistant professor of geology

Raquel Blonshine '11, Kelsea Thornton '11 and Francesca King '10 56 ®

What Bores You? A Discussion of Predation Rates at Cape Cod and the Bahamas; science poster session deriving from classwork with Sara Pruss, assistant professor of geology

Meredith Gallogly '12 57

GIS Maps of Landscape Features in the Forest at the Mac-Leish Field Station; science poster session deriving from STRIDE research with Amy Rhodes, associate professor of geology; Andrew Guswa, associate professor of engineering; Robert Newton, professor of geology; and Reid Bertone-Johnson, lecturer in landscape studies

Mary Gowins '11 and Jenna Zechmann '12 58

Beyond $\rm H_2O$: A Chemical Survey of Surface Water at the MacLeish Field Station, Whatley, MA; science poster session deriving from STRIDE and AEMES research with Amy Rhodes, associate professor of geology; Robert Newton, professor of geology; and Andrew Guswa, associate professor of engineering

Christina Buliga '11 59

Uncovering the Mining History at the MacLeish Field Station, Whatley, MA; science poster session deriving from STRIDE research with Amy Rhodes, associate professor of geology

Laura Paul '09 60

The History of the Land Use of the MacLeish Field Station in Whatley; science poster session deriving from special studies with Amy Rhodes, associate professor of geology

Rebecca Tramel '09, Alison McDonough 10J and Priscah Cheruiyot '10 61

De Bruijn Sequences and Linear Recurrences; science poster session deriving from SURF with Michael Bush, visiting assistant professor of mathematics and statistics

Ella Hartenian '11 and Tanya Hakim '12 62

Have Rail Trails Increased the Value of Your Home?; science poster session deriving from STRIDE research with Nicholas Horton, associate professor of mathematics and statistics

Cyla O'Connor AC, Maria Terres GR, Shannon McDonough GR, Sarah Rathnam GR, Kristin Tyler '09 and Portia Parker '10 63

Missing Data Procedures in Survival Analysis; science poster session deriving from special studies with Nicholas Horton, associate professor of mathematics and statistics

Kristin Tyler '09 64

The Use and Abuse of Multiple Outcomes in Randomized Controlled Trials of Depression; science poster session deriving from special studies with Nicholas Horton, associate professor of mathematics and statistics

Anna Boehle '11 and Aimee Shore '10 65

Measuring Photons From Light Emitting Diode, One By One; science poster session deriving from STRIDE research with Piotr Decowski, professor of physics

Kelsey Hattam '09 66

The Complex Nature of Flowing Granular Material; science poster session deriving from thesis with Nalini Easwar, professor of physics

Adrienne Wilson-Muenchow '10 67

Cold Fingers for Warm Samples: Setup of a Cryogenic Apparatus; science poster session deriving from special studies with Nathanael Fortune, associate professor of physics

Elizabeth Boulton '11 and Anastasia Gant '11 68

What Type of Solar Collector is the Best Performer?; science poster session deriving from STRIDE research with Nathanael Fortune, associate professor of physics

Cassaundra Smith '11 and Lindsay Holle '11 69

A Portable, Modular Roof for a Solar House; science poster session deriving from STRIDE and AEMES research with Nathanael Fortune, associate professor of physics

Brenda Delamonica '12 70

Using Google Sketch Up for Modeling Energy Use in Homes; science poster session deriving from AEMES research with Nathanael Fortune, associate professor of physics

Ann Nordmeyer '11, Cora-Lee Picone '11, Julia Cox '10 and Emily Wolf '11 71

How Gestures Prime Word Recognition; science poster session deriving from classwork with Jill de Villiers, professor of philosophy and Sophia and Austin Smith Professor of Psychology

Wendy Roman '09 72 @

Ethnic Differences in How Mothers Describe Their Children; science poster session deriving from thesis with Jill de Villiers, professor of philosophy and Sophia and Austin Smith Professor of Psychology

Teresa Kenyon '09 73

How Preschool Children Handle Relevance Implicatures; science poster session deriving from classwork with Jill de Villiers, professor of philosophy and Sophia and Austin Smith Professor of Psychology

Kate Harrigan '09 74

Children's Acquistion of Definite and Indefinite Articles in English; science poster session deriving from thesis with Jill de Villiers, professor of philosophy and Sophia and Austin Smith Professor of Psychology

Carina Ahuja '12 and Samantha Hinds '12 75

Curricular Intervention Effects on Story-telling of Preschoolers in Poverty; science poster session deriving from AEMES research with Peter de Villiers, Sophia and Austin Smith Professor of Psychology, and Jill de Villiers, professor of philosophy and Sophia and Austin Smith Professor of Psychology

Cora-Lee Picone '11 and Abigail Wilkins '10J 76

Depth of AAE Predicts Narrative Skills in African American Preschoolers in Poverty; science poster session deriving from STRIDE research and SURF with Peter de Villiers, Sophia and Austin Smith Professor of Psychology

Shana Dooley '09 and Emma Thomas '10 77

I'm a Perfectionist! Can I Blame My Parents? A Study Examining the Correlations Between Perceived Parental Expectations, Parental Criticism and Perfectionism in Daughters; science poster session deriving from classwork with Patricia DiBartolo, professor of psychology

Jennifer Chain '09, Jodi Jean '09 and Jessie Katz '09 78

The Perfect Score: Dimensions of Perfectionism in Relation to Academic Motivation and Statistics Anxiety; science poster session deriving from classwork with Patricia DiBartolo, professor of psychology

Jennifer Cowie '09, Sarah Maxner '10J, Elise Ratchford '09 and William Ryan '09 **79**

The Child and Adolescent Perfectionism Scale: Factor Analytic and Convergent Validity; science poster session deriving from classwork with Patricia Marten DiBartolo, professor of psychology

Mallery Olsen '11 80

The Effects of Cytokines $TGF-\alpha$ and Neuregulin-1 on Circadian Rhythms in Mice and the Implications for Cancer-Related Fatigue; science poster session deriving from work with Mary Harrington, Tippit Professor in the Life Sciences (Psychology)

Alayna Liptak '11, Tsz Wong 11J and Catherine Castillo '10 81

The Effects of Jet Lag and Shift Work on Sleep: How Shifting Light Dark Cycles Affect Sleeping Patterns in Mice; science poster session deriving from work with Mary Harrington, Tippit Professor in the Life Sciences (Psychology)

Maya Woodbury '09 82

Vasopressin in Human Brains; science poster session deriving from special studies with Benjamin Rood and Geert J. De Vries, Center for Neuroendocrine Studies and Neuroscience and Behavior Program, University of Massachusetts Amherst

Tiffany Anne Tseng '11 and Elizabeth Tanner '10 83
Personal Drawing Style: Identifying Children's Individual
Styles as Profiles of Communicative Dimensions; science poster session deriving from STRIDE research and research assistance with Peter Pufall, professor emeritus of psychology

Monika Valečić '12 and Sarah Billian '11J 84

Comparing Children's Views of the '04 and '08 Presidential Elections; science poster session deriving from research assistance with Peter Pufall, professor emeritus of psychology

Michelle Steiner '11 and Emily Brown '12 85

Seeking Organization in Children's Artistic Toolboxes: Stability and Flexibility of Aspects of Formal Drawing Style; science poster session deriving from STRIDE research with Peter Pufall, professor emeritus of psychology

Holly Boyle '09 86

Processes in Egocentric Mental Transformations Involving Nonbody Stimuli; science poster session deriving from thesis with Maryjane Wraga, associate professor of psychology, and Catherine Flynn, research assistant in psychology

10:45 a.m.–noon Concurrent Sessions

Dance

Natanya Apfelbaum '09, Meleta Buckstaff '09, Lila Dodge '09, Cyndall Ellis '09, Katie Green '09, Mayra Hernandez '09, Leia Hickman '09, Elana Silverman '09 and Christa Whitney '09

A Presentation of Dance by the Smith College Senior Dance Majors and Minors

Scott Dance Studio; dance performance deriving from senior seminar with Susan Waltner, professor of dance

Smithipedia

Emma Forrest '11, Alexandra Ghiz '12 and Kaitlin Hovanes '12 $\,$

Smithipedia

Seelye 101; PowerPoint presentation deriving from STRIDE research with Carol Christ, president and professor of English language and literature, and Nanci Young, college archivist

Social Contexts of Health Psychology: From Birthing to Living

Heather Crawford AC10J

An Experiential Approach to Smoking Cessation Seelye 107; PowerPoint presentation deriving from classwork with Benita Jackson, assistant professor of psychology

Kathleen Reutter '09 @

Three Weeks in a Rural Maternity Clinic in Mali Seelye 107; PowerPoint presentation deriving from fieldwork with Benita Jackson, assistant professor of psychology

Jewels Rhode '11 and Lauren Kiernan '11

Higher Social Status Boosts Mastery for White, Not Black, College Women's Future Selves

Seelye 107; PowerPoint presentation deriving from special studies with Benita Jackson, assistant professor of psychology

J. Rebecca Young '09

Dinner With Friends: Social Effects and Benefits of an Intervention for Eating With Others Seelye 107; PowerPoint presentation deriving from classwork with Benita Jackson, assistant professor of psychology

Kahn Institute

Meredith Byers '10, Samaiya Ewing AC'09, Dara Kaye '09, Mikaela Mroczynski '09 and Elizabeth Pusack '09

Deceit: The Uses of Transparency and Concealment Seelye 110; panel presentation deriving from Kahn Institute Project "Deceit: The Uses of Transparency and Concealment" with Mlada Bukovansky, associate professor of government

Oral History and Women's Activism

Emma Bedford '09, Lynnea Domienik '09, Ellen Fitzgerald '09, Sarah Hunter HC, Katelyn Lucy '09, Erin Molloy '09, Allison Payne MHC, Alyssa Pluss '09, Emily Pratt '09, Anna Promey-Fallot '09J, Lori Satter GR UMass, Lisa Shulka '09, Christine Stine '09, Amber Tucker '09 and Claire Wilson '09

"It's All There in the Compost Pile": Reflections on an Activist Life

Seelye 206; theatrical performance deriving from classwork with Kelly Anderson, lecturer in history

Language Studies

Sasha Mann '09 @

Calvino, Pynchon, and Matrices of the Postmodern Seelye 208; paper presentation deriving from thesis with Anna Botta, professor of Italian language and literature and of comparative literature

Catherine Hatch '09 @

Coffee Culture

Seelye 208; paper presentation deriving from special studies with Anna Botta, professor of Italian language and literature and of comparative literature

Erica Faller '09 @

"The Siege of Progress": Dead City Prose and the Urbain Landscape in George Rodenbach's "Bruges-la-Morte" Seelye 208; paper presentation deriving from thesis with Jonathan Gosnell, associate professor French studies, and Luc Gilleman, associate professor of English language and literature

Rachel Pryzby '09 @

Hainteny: The Traditional Poetry of Madagascar Seelye 208; PowerPoint presentation deriving from special studies with Jonathan Gosnell, associate professor of French studies

Anna Newman '09 @

The Devil Is in the Details: Working on *Metamorphoses* Seelye 208; PowerPoint presentation deriving from Praxis internship with Thalia Pandiri, professor of classical languages and literatures and of comparative literature

Classics

Jennifer Snyder '09 @

Comic Elements in Fifth-Century Attic Greek Tragedy Seelye 211; paper presentation deriving from special studies with Justina Gregory, professor of classical languages and literatures

Tricia Rhodes AC10 @

Antiquities at Smith: The Caverno Room Collection Seelye 211; poster presentation deriving from special studies with Scott Bradbury, professor of classical languages and literatures

Noon-1:30 p.m. Campuswide Lunch

Scott Gymnasium

Open to all students and visitors. Lunch will not be served in campus houses. Music provided by members of the Smith College Jazz Ensemble: Chloe Williams '11 (voice),

Samira Kadam '11 (alto sax), Neela Wickremesinghe '09 (tenor sax), Liz Chase '11 (trumpet), Alanna Casey '11 (trombone), Shelly Hagerman '12 (piano), Alana Curewitz '09 (bass) and Perry Huntoon '09 (drums).

1:30–2:30 p.m. Concurrent Sessions

American Studies Diploma Program Theses

Posters will be presented 1:30–3 p.m.

Florentine Bambara GR 🐵

The Influence of Race and Gender on Sexual Violence in Calixthe Belaya's *Your Name Shall Be Tanga* Campus Center 103/104; poster presentation deriving from thesis with Daphne Lamothe, assistant professor of Afro-American studies, and Katwiwa Mule, associate professor of comparative literature

Jakob Bergvelt GR 🐵

U.S. Intellectuals and the Image of China Campus Center 103/104; poster presentation deriving from thesis with Steven Goldstein, Sophia Smith Professor of Government

Eugenia Cirnigliaro GR 🐵

Writing on the Border: Stories of Mexico and the U.S. Campus Center 103/104; poster presentation deriving from thesis with Margara Russotto, associate professor of Spanish and Portuguese, University of Massachusetts Amherst

Manuela Esmerode GR

Nature in the Films of Terence Malick Campus Center 103/104; poster presentation deriving from thesis with Jim Hicks, director, American Studies Diploma Program

Julia Howald GR

Thorstein Veblen: Theorizing a Non-Rational *Homo* economicus

Campus Center 103/104; poster presentation deriving from thesis with Charles Staelin, professor of economics

Sarah Lentz GR @

Climbing the Social Ladder: German Merchants from Hamburg in Early 19th-Century Boston Campus Center 103/104; poster presentation deriving from thesis with Joseph McVeigh, professor of German studies

Sachiko Nakazato GR @

A Japanese Woman Represents Black Culture in Harlem

Campus Center 103/104; poster presentation deriving from thesis with Kevin Quashie, associate professor of Afro-American studies

Nina Noethling GR @

American History Through Indian Eyes Campus Center 103/104; poster presentation deriving from thesis with Jean Forward, senior lecturer in anthropology, University of Massachusetts Amherst

Sarah Padioleau GR

Hollywood News: The Image of Broadcast News on Film Campus Center 103/104; poster presentation deriving from thesis with Alexandra Keller, associate professor of film studies

Carmen Toledanao Garrido GR @

Teaching English as a Second Language: A Case Study Campus Center 103/104; poster presentation deriving from thesis with Rosetta Marantz Cohen, professor of education and child study and interim director of the Kahn Liberal Arts Institute

Elodie Wu GR

Why Love Lucy? Lucille Ball and '50s TV Culture Campus Center 103/104; poster presentation deriving from thesis with Kevin Rozario, associate professor of American studies

English and American Studies

Katy Butler '12, Olympia Georgeson '12 and Clare Landefeld '12

Reading the Earth: Writing a Journal Seelye 101; PowerPoint presentation deriving from classwork and STRIDE research with Sharon Seelig, Roe/ Straut Professor in the Humanities (English Language and Literature)

Hannah Wren Dunning '09 and Elizabeth Pusack '09

Dam Poetry and Essays on Eggs and Moons Seelye 101; poetry and prose reading deriving from special studies with Ann Boutelle, senior lecturer in English language and literature

Becky Reinhart '09

The Fair Domain of Shade and Sward: Tower Grove Park and the Formation of a Victorian Bourgeoisie Seelye 101; PowerPoint presentation deriving from thesis with Richard Millington, Sylvia Dlugasch Bauman Professor of English Language and Literature

Fieldwork in Uganda

Sarah Nichols '10 @

Reproductive Health in Kampala, Uganda: Services and Experiences

Seelye 105; PowerPoint presentation deriving from internship work with Catharine Newbury, professor of government

Engineering and Environmental Science and Policy

Lynnea Domienik '09, Kalen Wheeler '10 and Olivia Cummings '09

Negotiating Red and Green: How the Labor and Environmental Movements Can Work Together Seelye 107; PowerPoint presentation deriving from special studies with Donna Riley, associate professor of engineering

Etta Grover-Silva '10, Sari Field '09, Whitney McMackin '10 and Jillian Bauer '09

Smith VDS: Designing and Building Green Transportation Seelye 107; paper presentation deriving from work with Denise McKay, assistant professor of engineering

Sari Field '09

Toward Vehicular Sustainability

Seelye 107; PowerPoint presentation deriving from thesis with Denise McKay, assistant professor of engineering

Lauren Keller '09

A Study of Environmental Migration: Connecting Rural-Urban Migration and Water Scarcity Seelye 107; poster presentation deriving from special studies with Gregory White, professor of government

Study of Women and Gender

Erin Molloy '09 and Alyssa Pluss '09

Researching Cultural Feminism: The Works of Joan E. Biren and Olivia Records

Seelye 110; panel presentation deriving from internship and classwork with Susan Van Dyne, professor of the study of women and gender

Zehui Chen '10J 🐵

What Chinese Women Need to Navigate the Bamboo Ceiling

Seelye 110; PowerPoint presentation deriving from work-study research with Iris Marchaj, director of Smith Executive Education

Sociology

Kimberly Kufel '09

Voting Patterns and Political Participation: A Look at Holyoke, Massachusetts

Seelye 206; PowerPoint presentation deriving from special studies with Ginetta Candelario, associate professor of sociology and Latin American studies

Envisioning Social Utopias In 18th-Century France

Laura Itzkowitz '09 🐵

Between Europe and Tahiti: Diderot's Supplement au Voyage de Bougainville

Seelye 208; paper presentation deriving from thesis with Janie Vanpée, professor in French studies

Elyse Martin '11 🗐

Re-Membering Marie Antoinette

Seelye 208; PowerPoint presentation deriving from STRIDE research with Janie Vanpée, professor of French studies

Nadia Rivera-Nieves '09J @

Educating the Natural Citizen: Rousseau's *Emile* Seelye 208; paper presentation deriving from special studies with Janie Vanpée, professor of French studies

Art and Landscape Studies

Yvette Elfawal '10 @

Significance of Light: Islamic Architecture in Cairo Seelye 211; art presentation deriving from special studies with Saleema Waraich, Mellon postdoctoral fellow in art

Kate Cholakis '10 @

Cornelia Hahn Oberlander: Six Decades of Sustainable Design

Seelye 211; PowerPoint presentation deriving from Praxis internship with Nina Antonetti, assistant professor of landscape studies

Matthea Daughtry '09

Re-Imagining the Ada and Archibald MacLeish Field Station

Seelye 211; PowerPoint presentation deriving from special studies with Reid Bertone-Johnson, lecturer in landscape studies

2:45–4 p.m. Concurrent Sessions

Music

Kirin McElwain '09

Does It Matter Who's Listening? How Performers Are Affected by Specific Audiences Earle Recital Hall; music performance deriving from work with Judith Gordon, assistant professor of music

Magdalene Rascoe '10

Anticipating a Celebratory 100 Years of Music at Smith Earle Recital Hall; music performance deriving from internship with Jane Bryden, Iva Dee Hiatt Professor of Music, and Clifton J. Noble, piano

Marissa Cyr '09

Poetry to Song: 20th-Century Composers Interpret the Words of Langston Hughes

Earle Recital Hall; music performance deriving from classwork with Karen Smith-Emerson, Professor of Music

Exploring Places and Issues In Northampton

Sonja Harrower '11 and Rebecca Pringle '11

The Unique Gentrification of Northampton Seelye 101; PowerPoint presentation deriving from special studies with Nancy Whittier, professor of sociology

Annie Rosen '09 and Kaden Fund '09

Adaptive Reuse and Sustainability in Northampton Seelye 101; paper presentation deriving from special studies with Tom Riddell, dean of the first-year class, associate dean of the college and professor of economics

Carmen Toledanao Garrido GR 🐵

Adult ESL Case Study: Discovering Voices in the Class Seelye 101; PowerPoint presentation deriving from thesis with Rosetta Marantz Cohen, professor of education and child study and interim director of the Kahn Liberal Arts Institute

Lila Dodge '09

Site-Specific Dance: The Place It Takes

Seelye 101; presentation and dance performance deriving from thesis with Susan Waltner, professor of dance, and Rodger Blum, professor of dance

This presentation will be followed by an hour-long dance performance that begins at 4 p.m. in front of Neilson Library and travels across campus and into Northampton. All are invited to follow along with the dancers for the entire trajectory, or just certain parts. Flyers will indicate the pathway, resting places and timing of the dance so that people may join the performance at any point.

Psychology and Physics

Lauren Page Wadsworth '09

Photography for Children

Seelye 107; PowerPoint presentation deriving from special studies with Peter Pufall, professor emeritus of psychology

Amanda Stevie Bergman '09

A Non-Minimally Coupled Early Universe Seelye 107; PowerPoint presentation deriving from thesis with Gary Felder, assistant professor of physics

Shannon Pettit '12

Smith College: Recognizing Women in Science Seelye 107; PowerPoint presentation deriving from STRIDE research with Malgorzata Zielinska-Pfabé, Sophia Smith Professor of Physics

Kahn Institute

Olivia Cummings '09, Emma Ensign '10, Molly Hamer '10, Hannah Leung '09, Jeannette Quinn AC'09, Anna White-Nockleby '09 and Emily Wolfe Roubatis '09

A Festival of Disorder

Seelye 110; panel presentation deriving from Kahn Institute Project "A Festival of Disorder" with Elisabeth Armstrong, assistant professor of the study of women and gender, and Marjorie Senechal, Louise Wolff Kahn Professor Emerita in Mathematics and History of Science and Technology

Sociology

Mia Teitelbaum '09, Teresa Kenyon '09, Elizabeth Bieber '09 and Sarah Krautheim MH'09

Who Speaks? Who Cares? Twenty Years of Mobilization Around Environmental (In)Justice in Holyoke, Massachusetts

Seelye 206; PowerPoint presentation deriving from classwork with Ginetta Candelario, associate professor of sociology and Latin American studies

Emily Yen '09

How to Find Your Population: Social Science Sampling Strategies

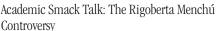
Seelye 206; workshop deriving from thesis and Mellon Mays Fellowship with Nancy Whittier, professor of sociology

Spanish and German Studies

Amelia Mitchell '11 🐵

The Impact of NAFTA on Filmmaking in Mexico Seelye 208; PowerPoint presentation deriving from STRIDE and International Experience Grant research with Maria Helena Rueda, assistant professor of Spanish and Portuguese

Ellen Daoust '09 @



Seelye 208; PowerPoint presentation deriving from classwork with Nancy Sternbach, professor of Spanish and Portuguese and of the study of women and gender

Rachel Miller '09 @

The Language of Mexican Food

Seelye 208; PowerPoint presentation deriving from special studies with Nancy Sternbach, professor of Spanish and Portuguese and of the study of women and gender

Lyudmyla Kovalenko '09 @

Art and Artificiality: (Decadent?) Development of Protagonists in Works of E.T.A. Hoffmann and Thomas Mann Seelye 208; PowerPoint presentation deriving from thesis with Jocelyne Kolb, professor of German studies, and Joel Westerdale, assistant professor of German studies

Media, Film and Zines

Aiden Leigh Bartelt '11

Representing Motherhood in Relation to Murder: Andrea Yates, Dora Yates, and Jutta Karin Kennedy Seelye 211; PowerPoint presentation deriving from STRIDE research with Thalia Pandiri, professor of classical languages and literatures and of comparative literature

Katherine Gray '09

"Didn't Your Mommy Tell You That Isn't Nice?" Patterns and Shifts in Rape-Revenge Films, 1973—1998 Seelye 211; PowerPoint presentation deriving from thesis with Alexandra Keller, associate professor of film studies

Alex Barrows '09

A Zinester's Guide to the Sophia Smith Collection Seelye 211; workshop deriving from special studies with Ann Jones, Esther Cloudman Dunn Professor of Comparative Literature, and Lisa Henderson, associate professor of communication, University of Massachusetts Amherst

Ana Abbasi '10

Masculinity in Mainstream Cinema: Fleshing Out Male Nudity on Screen

Seelye 211; DVD presentation deriving from special studies with Alexandra Keller, associate professor of film studies

Other Events & Activities

Thursday, April 16

Student poster presentations on research projects completed by STRIDE students (including some Collaborations presenters)

4:30-5:30 pm, McConnell Hall Foyer

Thursday, April 16 and Friday, April 17

Open Campus (overnight program for all admitted students); welcome to the expected 400 students and their parents!

Thursday, April 16 through Sunday, April 19

Festival of One-Act Plays: The second annual festival features works by nationally and internationally renowned authors as well as a new play by one of Smith College's promising young playwrights. The plays are all student acted, directed and designed, and will be shown on alternating days. Tickets: \$8 general; \$5 students/seniors. 8 p.m., Theatre 14

Friday, April 17 through Sunday, April 19

Discovery Weekend (overnight program for admitted women of color); welcome to the expected 120 students!

These events on or near Collaborations Day may be of interest.

Friday, April 17

Music in Deerfield and the Smith College Music Department present Pioneer Valley favorite Matt Haimovitz with Canadian colleagues Jonathan Crow, violin, and Douglas McNabney, viola, in a program that will feature Bach's *Goldberg Variations*. Pre-concert talk at 7 p.m. Concert tickets: \$28 in advance, \$32 at the door; \$5 children; \$10 undergraduate students.

8 p.m., Helen Hills Hills Chapel

Saturday, April 18

Softball v. Wellesley Noon, Athletic Fields

Pan Africa Day Show, the Smith African-Caribbean Students Association's annual slate of performances, music and presentations showcasing the culture and educating the community about current events in countries in Africa and the Caribbean.

7 p.m., John M. Greene Hall

Student Composers Concert: a concert of music by student composers, performed by music department students, faculty and friends. Free.

8 p.m., Earle Recital Hall, Sage Hall

Sunday, April 19

Mahler's Symphony No. 3, "Posthorn." Krista River, mezzo-soprano, joins the Smith College Orchestra. Also featuring the Smith College Glee Club and Chorus, the Mount Holyoke College Glee Club, the Amherst College Women's Chorus, the South Hadley Children's Chorus and the Hampshire Young People's Chorus. Tickets: \$5 General; \$1 students, at the door only.

3 p.m., John M. Greene Hall

Celebrating Collaborations is a project of the Committee on Academic Priorities (CAP).

Committee on Academic Priorities 2008-09

Susan C. Bourque, Chair, Provost and Dean of the Faculty John Davis, Associate Provost and Dean for Academic Development

Alice Hearst, Department of Government

Nicholas Horton, Department of Mathematics and Statistics

Maureen Mahoney, Dean of the College

William Oram, Department of English Language and Literature

Joseph McVeigh, Department of German Studies

Cornelia Pearsall, Department of English Language and Literature

Danielle Ramdath, Associate Dean of the Faculty (Staff Liaison)

Janie Vanpée (Faculty Council Representative)

Celebrating Collaborations Advisory Committee 2008–09

Elizabeth Aberbach '11 (Student Curriculum Committee)

Justin Cammy (Jewish Studies Program)

Gillian Flashner '10J (Student Curriculum Committee)

Barbara Garcia (Office of Admission)

Elaine Harris '10 (Student Curriculum Committee)

Monica Harris '09 (Student Curriculum Committee)

Rene Heavlow (Women and Financial Independence)

Nicholas Horton (CAP, Department of Mathematics and Statistics)

Sabine Jean '11 (Student Curriculum Committee)

Aparna Kamath '11 (Student Curriculum Committee)

Aliza Leventhal '09 (Student Government Association)

Pat Mahar (Dining Services)

Deborah McLean (Advancement)

Heather McQueen (Clark Science Center)

Kara Noble (Kahn Institute)

Danielle Ramdath, Chair (Provost's Office)

Tom Riddell (Dean of the First-Year Class and Associate Dean of the College)

Karen Smith-Emerson (Department of Music)

Hayley Spizz (Program Coordinator, Provost's Office)

Eric Weld (Office of College Relations)

Acknowledgements

Funding for this event is made possible through the generous support of the Provost's Office, the Office of the President, the Office of the Dean of the College, and the Louise W. and Edmund J. Kahn Liberal Arts Institute.

Dining Services provided outstanding food and logistical assistance with breakfast and lunch.

The Office of College Relations provided invaluable assistance with publicity.

The Office of Admission provided collaborative efforts to enable this event to be held in conjunction with Discovery Weekend.

The Office of Advancement made alumnae aware of this event

Physical Plant provided essential logistical assistance.

Classroom Support ensured that appropriate equipment and support was available for all presentations.

Matt Gawron and the Campus Center staff kindly allowed us to use the Campus Center before its opening and ensured that the science poster session went smoothly.

Key to Abbreviations

AC = Ada Comstock Scholar

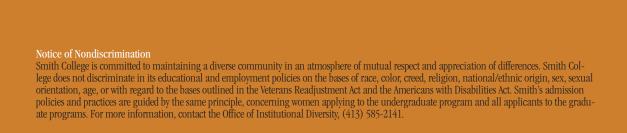
GR = graduate student

HC = Hampshire College

J = graduation in January

MHC = Mount Holyoke College

UMass = University of Massachusetts Amherst



Smith College Northampton, Massachusetts 01063 (413) 584-2700 www.smith.edu/collaborations

