Schedule of Presentations

Colby College

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Colby Undergraduate Research Symposium
May 2-4, Colby College, Waterville, Maine

Research Presentations
Wednesday, May 2nd

SESSION II: General Session
Smith Room
Session Chair: David Firmage
2:00-5:00

2:00 pm Canaan Morse ('07)
'The Stewardess': Chinese Author Wang Shuo in Translation

2:30 pm Christopher Zajchowski ('07)
The Dialectics of Diaspora Space: Themes of Belonging and Identity in 'Diasporic' Indian Literature

3:00 pm Suzanne Merkelson ('09), Sameera Anwar ('10), Joel Biron ('07), Ratul Bhattacharyya ('09) and Christopher Zajchowski ('07)
The Contact Zone: Teaching and Learning in Rural India

3:15 pm Isaac Opper ('10)
The Conflict between Montana and Wyoming over Coal Bed Methane Production in the Powder River Basin

3:30 pm Mariah Hudnut ('07)
Meaningful Participation: the benefits of climate change policy to Brazil and prospects for the developing world

4:00 pm Brian Fulmer ('07)
Political Biology: Peter Kropotkin and the Darwinian Revolution

4:15 pm Jennifer Mizen ('08)
Elephant-Bat Interactions: Commensalism at Work?

4:45 pm Christine Avena ('08), Sam Graulty (U. of Vermont, '08)
A Comparison of Avian Diversity in Pine Plantations and Cloud Forests of the Mazar Reserve, Southern Ecuador

Thursday, May 3rd

SESSION III: Senior Scholars
Hurd Room
Session Chair: Howard Lupovitch
10:00-12:00 AM

10:00 am Thomas Reznick ('07), Science, Technology, and Society
From the Fair to the Laboratory: Agricultural Science and Education in Aroostook, Maine.

10:30 am Catherine Downing ('07), English
Interlocking Oppressions of Sisterhood: (Re) Presenting the Black Woman in Nineteenth Century Blackface Minstrelsy

SESSION IV: ENVIRONMENTAL STUDIES
Hurd Room
Session Chair: Tom Tietenberg
12:00-2:30 PM
1:00 pm  **Kaitlin Himmelmann** ('07), Environmental Studies  
Endocrine Disrupting Chemicals and Colby's Purchasing Practices  
1:30 pm  **Renzo Mendoza Castro** ('07), Environmental Studies  
Negotiating the Next Climate Treaty

**SESSION V: General Session**  
Smith Room  
Session Chair: Julie Millard  
1:00-3:00 PM  
1:30 pm  **Yu-Hwei Chou** ('07) and **Ian Cross** ('07), Physics and Astronomy  
High Magnetic Field Spectroscopy of Vibrational and Electronic Transitions in NTNB and Other Integer Spin Compounds.  
2:00 pm  **Roy Wilson** ('07), Physics and Astronomy  
Temperature Control in Ultra Cold Plasmas  
2:30 pm  **Julian Jacobson** ('10), Mathematics  
The Physics of Perception in Tilt-Translation Models

**SESSION VI: BIOLOGY**  
Areys 205  
Session Chair: Judy Stone  
1:00-3:00 PM  
**Sarah Clark** ('08)  
Genetic markers reveal excess homozygosity in two closely-related orchid species  
**Dan Dewey-Mattia** ('08)  
Genetic variation in Isotria medeoloides as assessed by Simple Sequence Repeats  
**Heather Nickerson** ('09)  
Lack of genetic variation in Isotria verticillata as assessed by Amplified Fragment Length Polymorphism markers  
**Kristine Robin** ('08)  
A comparison of geographic and genetic distances among populations of the rare orchid, Isotria medeoloides  
**Talia Savic** ('09)  
Comparison of Amplified Fragment Length Polymorphism markers for two closely related orchid species

**SESSION VII: GOVERNMENT**  
Whitney Room  
Session Chair: Ariel Armony  
1:00-2:00 PM  
1:00 pm  **Class members**, Government  
Class presentation

**SESSION VIII: BIOLOGY**  
Olin 234  
Session Chair: Paul Greenwood  
1:00-3:30 pm  
**Sarah Faasse** ('07)  
Pediatric soft tissue sarcomas: causes, clinical manifestations, and treatments  
**Beth Hirschhorn** ('07)  
Skin cancer  
**Julie Hike** ('07)  
The diagnosis, prognosis, treatment, and challenges of pancreatic cancer  
**Katie Lillehei** ('07)
Molecular markers in the classification of gliomas and their implications for treatment
Andrew Herstein ('07)

Chronic myelogenous leukemia: a success story in targeted cancer therapies
Kate Dziedzić ('07)

Downs syndrome and leukemia
David Amadu ('07)

B-lymphocytes gone wild: cell biology, clinical manifestations and treatment of Hodgkin’s disease

SESSION IX: HISTORY
WGSS Senior Seminar Presentations
Hurd Room
2:00-4:00 PM

2:00 pm  Allison Cole ('07), Women, Gender, Sexuality
Chick Lit: Contemporary Popular Fiction & Consumerism

2:15 pm  Rebecca Flint ('07), Women, Gender, Sexuality
The Body as a Medium: Iris Marion Young and Caroline Knap on Women’s Body Experience in the United States Today

2:30 pm  Phoebe Larkin ('08), Women, Gender, Sexuality
Experiencing Trauma: A Personal Account and Analytical Study of How People Experience and Manage the Effects of Trauma

2:45 pm  Adriana Nordin Manan ('07), Women, Gender, Sexuality
Purchase and Set Her Free: Fair Trade as a Vehicle for Women's Empowerment

3:00 pm  Katherine Price ('07), Women, Gender, Sexuality
Why is Feminism a Bad Word?

3:15 pm  Amanda Vickerson ('07), Women, Gender, Sexuality
Marriage as Represented Through the Lens of Reality Television

3:45 pm  Carolyn Curtis ('08), Women, Gender, Sexuality
Non-Participatory Poverty

SESSION X: GENERAL SESSION
Whitney Room
Session Chair: Jim Terhune
2:30-6:00 PM

2:30 pm  Adriana Nordin Manan ('07), Anthropology
Citizenship and Boundary Setting in Multiethnic States: The Case of Refugees in Malaysia and Ecuador

3:00 pm  Valerie Friedman ('07), Anthropology
Photojournalistic Manipulations of Reality: A Globalized Foucauldian Analysis

3:30 pm  Christopher Appel ('08), Government
ETA and Basque Nationalism: Prospects for Peace

4:00 pm  James Cryan ('07), Government
Sustainable Development in Practice: The Handicraft Sector of Carapeguá Paraguay.

4:15 pm  Daniela Andreevska ('09), International Studies
The Role of Agriculture in Carapeguá, Paraguay as a Factor for Achieving the Millennium Development Goals

4:30 pm  Leora Feldstein ('08), International Studies
The Struggle of Urban Refugees in Yaoundé

4:45 pm  Nancy McDermott ('08), International Studies
Theory versus Reality of Agricultural Development: A Study of GICs and Aid Organizations in Ngoundéré, Cameroon

5:15 pm  Adam Robbins ('07), Anthropology
World Bank -- CPA Conflict: The Struggle to Define Human Rights and Development in the Philippines

SESSION XI: INTERNATIONAL STUDIES
Smith Room
SESSION XII: HISTORY

Session Chair: Raffael Schek

3:00-6:00 PM

4:00 pm Suzanne Swartz ('07)
Obstacles and Stepping Stones to the Hero's Pedestal: Reunified Germany's Selective Commemoration of Resisters to National Socialism

4:30 pm Mary Distinti ('07)
First Response: America's Reaction to the Armenian Massacres, 1894-1896

5:00 pm Cornelia Sage ('07)
Museo de la Memoria: An Exploration through Memory of ESMA

5:15 pm Samantha Lawson ('07)
The Legal History of Domestic Violence in New England

Friday, May 4th

SESSION XIII: CHEMISTRY

Session Chair: Kevin Rice

Arey 5

11:00-12:30 pm

Emily McClure ('07)
Senior Research Project

Trevor Hanly ('07)
Senior Research Project

Ta-Chung Ong ('07)
Photochemical Production of Superoxide

SESSION XIV: ECONOMICS

Session Chair: Debra Barbezat

Smith Room

1:00-3:30 PM

Aimee Williams ('07)
An Analysis of the Effectiveness and Impacts of Child Cap Provisions in Welfare Reform

1:30 pm Michael Aquino ('07)
Can the Business Cycle Be Used to Create Predictable Mutual Fund Outperformance?

2:00 pm Carolyn Adler ('07)
The Determinants of Recovery Rates on Defaulted Corporate Securities: An Investigation of Credit Ratings

2:30 pm Magda Tsaneva ('07)
Voices of the Poor: Poverty and Growth in Albania

3:00 pm Horacio Diaz Adda ('07)
The Divergent Effect of Social Cohesion on Economic Growth in East Asia and Latin America

SESSION XV: AFRICAN STUDIES

Hurd Room
African Studies

Session Chair: Laura Chakravarty Box

1:00-3:00 PM

1:00 pm  Ajima Olaghere ('07), Theater and Dance
CHANGE THROUGH TRADITION IN THE WORK OF ZULU SOFOLA

1:30 pm  Annelene Fisher ('08), Theater and Dance
What Colour is Coloured? Expressions of Coloured Identity and Experience in South African Theatre

2:00 pm  Roy Wilson ('07), Theater and Dance
Good and/or Evil: Osofisan and his Esu and the Vagabond Minstrels

SESSION XVI: General Session

Whitney Room

Session Chair: Mark Serdjenian

1:00-5:00 PM

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4:30 pm  Sarah Faasse ('07), Government
Tracing the Evolution of the War Power and the Balance Among the Branches

SESSION XVII: BIOLOGY

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Biology Honors Presentations

Session Chair: Frank Fekete

1:00-5:00 PM

1:00 pm  Katharine Dziedzic ('07)
D-Pax2 Regulates Crystallin in the Developing Drosophila Eye

1:15 pm  Leigh Audin ('07)
Can the American Lobster, Homarus americanus, Detect Other Lobsters When Selecting a Shelter by Using Water Born Chemical Cues?

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4:00 pm  Anne Cuttler ('07)  
The Neuroprotective Effects of Melatonin on Neuronal Growth in Crustaceans

4:30 pm  Gregory Engel ('07)  
Characterization of Cells Cultured from Fiddler Crab X-Organs

SESSION XVIII: EDUCATION  
Student Research in Education  
Diamond 122  
Session Chair: Mark Tappan

2:00-3:00 PM

2:00 pm  Rebecca Anderson ('07), Education and Human Development  
From Policy to Practice: A Look at the Implementation of the No Child Left Behind Act in Maine

2:15 pm  Anne Wachtel ('07), Education and Human Development  
'A Little Child Shall Lead Them': Education and Cultural Identity Destruction in the Great 'Civilizing' of Indian Country

2:30 pm  Ryan Weaver ('07) and Kate Nevius ('07), Education and Human Development  
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Chemistry Senior Research  
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Session Chair: Kevin Rice

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Eric Bergh ('07)  
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Session Chair: Julie de Sherbinin  
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