The Mount David Summit

The Mount David Summit is an annual celebration of student research, artistic work, and community-based scholarship at Bates College. Each year at the end of the winter semester, students from all classes present their work to each other and to faculty, staff, families, and community members in a symposium format.

The Summit spotlights the rich and varied academic activities of Bates students across the disciplines, and honors the vibrant intellectual life of the college. Named for the landmark "mountain" on the campus, the Summit is guided by the motto of the college

—Amore ac Studio—
loosely translated, With Love and Zeal, With Ardor and Devotion:
devotion to scholarship, creativity, and the life of the mind.

The Mount David Summit is sponsored by the Office of the Dean of the Faculty. We are grateful to Ralph T. Perry '51 and Mary Louise Seldenfleur, who have been generous and devoted supporters of the Summit since its first year.

~ About the 2013 Summit ~

The 2013 Mount David Summit, held on March 29, is organized into four sessions: three in the afternoon and one in the evening. Several concurrent events are scheduled during each of the afternoon sessions. Afternoon events take place in Pettengill Hall. This program includes a detailed schedule; presentation abstracts are available in a separate booklet.

In Session I (beginning at 1:45 PM), a poster session takes place, featuring research posters on topics in African studies, biochemistry, biology, and chemistry, English, mathematics, physics, politics, and psychology. Short talks and panel discussions focus on the visual arts at Bates, contemporary Chinese art and culture, and thesis research in anthropology, biology, economics, English, French and Francophone studies, geology, politics, psychology and neuroscience, and Spanish. In addition, costumed English students will be role-playing medieval Londoners and engaging Summit goers in conversation.

Session II (beginning at 3:15 PM), features a poster session with research posters in African studies, biochemistry, biology, chemistry, French and Francophone studies, geology, and mathematics. Another poster session will explore mathematical modeling in biology. Talks and panel discussions focus on thesis research in neuroscience, politics, rhetoric and sociology. Session II will also feature a panel on research conducted while studying abroad, a reading by creative writing thesis students, and screening of films and photo-documentaries inspired by Argentine filmmaker Fernando Birri.

In Session III (beginning at 4:45 PM), a poster session will feature research posters on African studies, biochemistry, biology, chemistry, economics, geology, neuroscience, philosophy, and psychology. Session III talks explore thesis research in biochemistry, biology, and Spanish. Panel discussions will address community engagement both here and abroad, museum internships, and a 2012 Short Term anthropology course in Saudi Arabia. Rhetoric students will examine women's rights through their short films, and classics students will perform excerpts from two ancient plays, in Greek and Latin (with translations).

In the evening session, the Modern Dance Company will present its spring concert at 7:30 PM in Schaeffer Theatre. The College Choir will present a concert featuring Fauré's Requiem and Lauridsen's Lux Aeterna at 8:00 PM in the Olin Concert Hall.

Visitors to the Summit are encouraged to talk with students and ask them challenging questions. We invite you to move among events during each session, but we respectfully request that you do not leave a program while a student is speaking.
Thank you

At Bates we believe that every student is an emerging scholar.

Supporting student research and creative work requires wisdom, time, and resources. Bates student researchers and their faculty mentors thank the many individuals and foundations whose contributions to these funds help make student research vibrant, challenging, and filled with discovery.

We are deeply grateful to alumni, parents, faculty and friends whose support sustains research opportunities for our students.

The Bates Fund
The Arthur and Helen Baer Foundation Student Research Support Fund for Studio Art Majors
The Brian S. Baldwin ’80 Biology Student Travel Fund
The Professor Leland and Claudina Bechtel Fund
The Blanchard Fund for Student-Faculty Research in Economics
The Bonner Leader Program
The Bruce Bouley Fund for Geology
The Bertha A. Bauer, M.D. Student Thesis Support Fund for the Department of Art and Visual Culture
The Class of 2000 Endowment for Community Service
The Penelope Ellis Fund
The Moses Feldman Family Foundation Student Research Grants
The J. Robert Griffith ’54 Incremental Student Research Fund
The Hamill Family Fund for Student Fieldwork and Research in Anthropology
The Hoffman Fund for Student Research
The Howard and Gail Loeb Kunreuther Endowed Fund for Faculty Research in Economics
The Walter A. Lawrance Student Research Fund
The Susan Majeski McKnight ’70 Fund for Environmental Studies
The Morrill Family Research Fund
The Mount David Research Fellowship Fund
The Vincent Mulford Internship and Research Fund
The Natt Family Fund in Biology
The Philip J. Otis Fund
The Helen A. Papaioanou Fund
The Anthony B. and Raeflyn R. Pelliccia Fund
The Charles Franklin and Evelyn Minard Phillips Fund
The John Pribram and George Ruff Fund for Research in Physics
The Linda E. Rawlings Student Research Fund for Mathematics
The Whitney Richey ’05 Fund
The Ruggles Scholar Research Fund
The Sargent Student Research Fund
The Scher Fellowship Fund
The Ellen Seeling Design Fellowship Fund
The Michael I. Sklar ’94 Music Research Fund
The Stangle Family Research Fund for Economics and Law
The Dr. Jason M. Tanzer Fund
The Sarah H. Trafton Memorial in the Bates-Morse Mountain Reserve Fund
The Aaron R. Winkler ’92 Fund for Student Research in Biology
Mount David Summit
Schedule of Events
Friday, 29 March 2013

1:30 -1:45 PM
Perry Atrium
Call to the Summit

Welcome
A. Clayton Spencer, President
Pamela J. Baker, Dean of the Faculty

Pettengill Hall
13th Annual Barlow Off-Campus Study Photography Exhibition

1:30 – 2:30 PM
Perry Atrium
Encountering the Middle Ages: Roving Medieval Londoners
Convener: Sylvia Federico, English

Concurrent Session I
1:45 – 3:00 PM

Perry Atrium
Poster Session I: African Studies, Biochemistry, Biology, Chemistry, English,
Mathematics, Physics, Politics, and Psychology

Pettengill G10
The Research and Writing of Strong Graduate Fellowship Proposals
Spencer Collet '13, Olivia Krishnaswami '15, Daniel Peach '13, Cameron Sheldon '13, Destinee
Warner '13
Moderator: Robert Strong, English

Pettengill G21
Thesis Research in Neuroscience, Part 1
Laura Max '13: Peripheral Levels of Oxytocin, Affective Processing, and Attention in Relation to
Schizotypy
Cherelle Connor '13: The Effects of Emotional Intelligence on the Uncanny Valley
Lindsey Gwynne '13: Attentional Bias in Orthorexia Nervosa
Lauren Demers '13: Meta-Affective Processing and Its Relationship to Serotonin and BDNF
Systems
Moderator: Nancy Koven, Psychology

Pettengill G50
The Power of Language in Literature, Film and Translation
Hannah Miller '14: Patterns of Inclusion/Exclusion in State-Funded Argentinean Theater
Catherine Djang '13: Translating Gender and Violence in the Poetry of Brian Turner, Daisy Zamora,
and Claribel Alegría
Anne Cravero '13: French Translations of the Poetry of W. B. Yeats: A Bilingual Recitation
Natalie Thompson '13: Jane Austen and the Art of Revision: Reading, Fiction, Feminism
Moderator: Claudia Aburto Guzmán, Spanish
1:45 – 3:00 PM
Pettengill G52
Gray Matter: Thesis Research in Psychology and Neuroscience
Olivia Coleman '13: Stress and Decision-Making Ability: Does the Type of Stressor Impact Outcome?
Zoe Livingston ’13: The Relationship between Self-Efficacy, Labor Method, and Birth Satisfaction
Marisa Mohrer ’13: Mainstreaming and Specialty Programs for Children and Adolescents with Autism Spectrum Disorders in Lewiston, ME: A Community-Based Thesis
Moderator: Rebecca Fraser-Thill, Psychology

Pettengill G63
Zines, Yarn Bombing, and the Arts House: Student Action in the Arts
Douglas Welsh '14, Grace Glasson '14, Julia Foxworth ’13
Moderator: Isaac Thompson ’13

Pettengill G65
Biological and Geochemical Systems and Their Impact
Margaret Pickoff ’13: Maine's Blue Carbon: Estimating Marine Carbon Stocks in Maine Salt Marshes
Carla Tilchin ’13: A Comparative Study of Songbird Immune Response to the Causative Agent of Lyme Disease, Borrelia burgdorferi
Elisabeth White ’13: Microsatellite Analysis of Genetic Drift Spotted in Salamanders (Ambystoma maculatum) from Vernal Pools in Central Pennsylvania
Moderator: Donald Dearborn, Biology

Pettengill 116
Moving Ideas: Dance and Circus Arts
Zoë Fahy ’13 and Kirsten Pianka ’13: Workings of a Dance Thesis
Talia Mason ’15: Understanding Spirituality through Movement
Travis Jones ’13: Exploring Circus Arts
Moderator: Rachel Boggia, Dance

Pettengill 127
Art, Culture, and the Politics in Contemporary China
Clay Baldo ’13: Picturing the Enemy During the Great People's Cultural Revolution
Eleanor Anaclerio ’13: Ai Weiwei and the Art of Politics
Maura Maloney ’13: Dating Programs in the People's Republic of China
Moderator: Xing Fan, Chinese
1:45 – 3:00 PM  
Pettengill 162  
**Thesis Research in the Social Sciences**  
Kate Fetrow ’13: Reclaiming Rights: Indigenous Peoples and State Sovereignty  
Desmond Mushi ’13: Microfinance as Ambivalence: Kilimanjaro Women's Experiences of Capitalist Development  
Courtney Lemenze ’13: The Behavioral Economic and Neuroeconomic Analysis of Alcohol Consumption and Hyperbolic Discounting  
*Moderator: Heather Lindkvist, Anthropology*

**Concurrent Session II**

3:15 – 4:30 PM  
Perry Atrium  
**Poster Session II:** African Studies, Biochemistry, Biology, Chemistry, French and Francophone Studies, Geology, and Mathematics  
Pettengill G10  
**Exploring the World: Research while Studying Abroad**  
Joshua Ajamu ’14: Changing Africa through Its Youth  
Lucy Brennan ’14: TIPNIS: Development or Conservation  
Lauren Farnsworth ’13: *Antes Era Mas Lindo Vivir* (Life was More Beautiful Before)  
*Moderator: Stephen Sawyer, Office of Off-Campus Study*

Pettengill G21  
**Thesis Research in Neuroscience, Part 2**  
Samantha Forrest ’13: The Effects of Synaptic Vesicle Acidification Perturbation on Proton Pump Subunit Targeting in *Caenorhabditis elegans*  
Phi Nguyen ’13: Tracking How Neurons Talk with Acid  
Torben Noto ’13: Genomic-Scale Analysis of Olfactory System Heterogeneity  
Samantha Landino ’13: Intrinsic and Synaptic Properties of Accessory Olfactory Bulb Mitral Cells in Female Mice Following Exposure to Dominant versus Subordinate Male Odors  
*Moderator: Jason Castro, Psychology*

Pettengill G50  
**Issues in Contemporary Politics: Turkey, Egypt, South Sudan**  
Nora Hanagan ’13: Turkey's Gender Equality Puzzle: Navigating the Difference between Action and Intent  
Andre Gobbo ’13: How South Sudan Became the Newest Country in the World  
Lauren Hadiaris ’13: The Egyptian Military  
*Moderator: Senem Aslan, Politics*
3:15 – 4:30 PM

**Pettengill G52**

**A Literary Reading by Creative Thesis Writers**

Ashley Brunk ’13, Eryn Gilchrist ’13, Joanna Harran ’13, Mollie Kervick ’13, Ashley Lepre ’13, and Matthew Williams ’13

_Moderator: Robert Farnsworth, English_

**Pettengill G65**

**Birri Film School: Imagery and Ideas Influenced by Fernando Birri**

Students in SPAN 217, Literature and Society, present photodocumentaries and videos made in the spirit of the Argentine filmmaker

_Moderator: David George, Spanish_

**Pettengill 116**

**Thesis Research in Sociology**

Francesca Aborn ’13: Healthy Food: The Newest Guard against Incarceration Aggression

Taylor Gartley ’13: Trade Unions and Deregulation

Victoria Zapack ’13: The Potential for Conflict between the Lobstering Industry and Offshore Wind Development in the Gulf of Maine

_Moderator: Heidi Taylor, Sociology_

**Pettengill 162**

**Invention and Analysis in the Humanities**

Daniel Friedman ’13: Robots and Forward Models

Holly McLaughlin ’13: Protecting Life: A Metaphorical Analysis of the Pro-Life Anti-Abortion Movement and the Conservation Movement

Jessica Washington ’13: Black Onyx: Shadeism within the Black Community

Logan Greenblatt ’14: The Photographic Process: Creating “That” Image

_Moderator: Kirk Read, French and Francophone Studies_

**Pettengill 257**

**Poster Session: Mathematical Modeling in Biology**

Class projects from BI/MA 255A

_Moderator: Bonnie Shulman, Mathematics_

Concurrent Session III

4:45 – 6:00 PM

**Perry Atrium**

**Poster Session III: African Studies, Biochemistry, Biology, Chemistry, Economics, Geology, Neuroscience, Philosophy, and Psychology**

**Pettengill G10**

**Getting Engaged Abroad: Service and Action while Studying Abroad**

Kathryn Ailes ’14, Devin Tatro ’14, and Catherine Strauch ’14

_Moderator: David Das, Office of Off-Campus Study_
4:45 – 6:00 PM

**Pettengill G21**

**Bates to Saudi: Short Term in the Kingdom**

Leah Schulz ’14, Eliza Kaplan ’15, Natacha Danon ’15, Adnan Shami Shah ’15, and Gintare Balseviciute ’15

*Moderator: Loring Danforth, Anthropology*

**Pettengill G50**

**Language, Linguistics, Literature, and Film: Thesis Research in Spanish**

Elizabeth Hallett ’13, Andrea Newman ’13, Kevin Crotty ’13, Deana Lorenzo ’13, and Catherine Tuttle ’13

*Moderator: Francisca López, Spanish*

**Pettengill G52**

**Lights, Camera, Classics! Euripides’ Bacchae and Plautus’s Captivi, Performed Live and on Video**

Jackson Fleming ’15, Charles Munn ’14, Michaela Brady ’14, Andrew Carranco ’14, Emily Clark ’15, Michael Creedon ’15, and Nicholas Steverson ’15

*Moderator: Dolores O’Higgins, Classical and Medieval Studies*

**Pettengill G63**

**Internships in Museums and Galleries**

Cara Garcia-Bou ’13, Rosalie Philip ’13, and Samantha Rothberg ’13

*Moderator: Rebecca Corrie, Art and Visual Culture*

**Pettengill G65**

**"That’s What She Said": Video Interviews, Feminist Views**

Students in RHET 265, The Rhetoric of Women’s Rights, screen their videos

*Moderated by Stephanie Kelley-Romano, Rhetoric*

**Pettengill 116**

**Thesis Research in Biology and Biochemistry**

Jenna Burke ’13: Purification Optimization of the UbcH5 and UbcH7 Dependent E3 Ubiquitin Protein-ligase that Targets the EMCV 3C Protease for Ubiquitylation and Degradation

Corey Hill ’13: Plasticity in the Central Control Mechanism of the Biphasic Ventilatory Response Following Developmental Hyperoxia: Effects of the P2X Receptor Antagonist PPADS

Kailey Worboys ’13: Grasshopper Body Size Patterns over an Altitudinal Cline and through Time: Different Apparent Effects of Warming on Nymphal and Egg Diapausing Grasshopper Species

Hansen Johnson ’13: Characterizing Songs in the Bering-Chukchi-Beaufort Population of Bowhead Whales (*Balaena mysticetus*) during Their Annual Spring Migration

*Moderator: T. Glen Lawson, Chemistry*

**Pettengill 162**

**Research and the Public Good**

Emily Egan ’13, Taryn O’Connell ’13, and Raisa Sharmin ’13

*Moderator: Darby Ray, Harvard Center for Community Partnerships*
Evening Session

7:30 PM  Schaeffer Theatre  Bates Modern Dance Company Spring Dance Concert  Carol Dilley and Rachel Boggia, Dance

This program of works by dance students and dance majors also will be presented Sunday, March 31, at 2:00 PM. An alternate program of works by dance students is presented on Saturday, March 30, at 5:00 PM, and on Monday, April 1, at 7:30 PM.

Tickets required. $6 general admission; $3 Bates faculty, staff, senior citizens, and non-Bates students; free for Bates students. For tickets, visit www.batetickets.com.

8:00 PM  Olin Concert Hall  The Bates College Choir  Conducted by John Corrie, Music

This program features Faure's Requiem and Lauridsen's Lux Aeterna. This concert also will be presented on Saturday, March 30, at 8:00 PM.

Free admission but tickets are required. Call 207-786-6135 or email olinarts@bates.edu
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<th>Mount David Summit Poster Presenters</th>
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Encountering the Middle Ages: Roving Medieval Londoners

ENG 395Y Class Participants

Robert Cramer ’13 as Piers Plowman, rebel
Kevin Davis ’14 as Peter Pemberton, merchant oligarch
Jameson Jones ’15 as John Gower, poet
Samuel Metzger ’14 as John Wyclif, heretic
Ashley Moore ’13 as Alice Perrers, courtesan
Sean Murphy ’15 as John/Eleanor Rykener, transvestite prostitute
Megan Ruth ’13 as King Richard II
Paul Sandlin ’14 as William Norhamptone, false magician
Quincy Snellings ’15 as Johanna Ferour, rebel
Juwon Song ’15 as Geoffrey Chaucer, poet
Griffin Tewksbury ’14 as Thomas Stokes, false taker of the King’s ale
Erica Van Sciver ’15 as Julia Pouchere, rebel
Reid Whelan ’13 as Bubonic Plague
Katherine Wilson ’14 as Burning Book

Projet Stéréotype: France and the French

FFS 270 Class Participants

Hakimah Abdul-Fattah ’13 Araceli Duran ’14 Beau Sperry ’15
Jordan Banez ’14 Madeleine McCabe ’16 Maria Velasco ’13
Emily Depew ’14 Hendrik Schless ’14 Caroline Watson ’13

"That's What She Said": Video Interviews, Feminist Issues

RHET 265 Class Participants

Emily Bamford ’15 Sean Murphy ’15
Jordan Becker ’15 Matthew Neckes ’14
Alex Daugherty ’15 Emma Pagano ’16
Alexandra Druck ’16 Jonathan Schwolsky ’15
Avril Dunleavy ’15 Alexandra Bodtker Sejersted ’14
Jordana Gluckow ’16 Alexandra Skaperdas ’15
Sean Keller ’14 Sheryl Todman ’14
Allaina Murphy ’15 Laura Trimble ’16

Birri Film School: Imagery and Ideas Influenced by Fernando Birri

SPAN 217 Class Participants

Sugeiry Betances ’15 Sarah Logan ’14
Jake Davis ’13 Jarret-Paul McKallagat ’14
Margaret Dembinski ’14 Diamond Ramirez ’15
Emmelyn Leung ’13 Eric Whitebloom ’13

Thirteenth Annual Barlow Off-Campus Study Photography Exhibition

Kathryn Ailes ’13 Eric Barry ’13 Greer Chapman ’13
Joshua Ajamu ’14 Emily Bechtold ’13 Anne Cravero ’13
Clay Baldo ’13 Andrew Carranco ’14 Sarah Dik ’14
Liza Dorison ’13  Sean Keller ’14  Matthew Record ’14
Emily Egan ’13  Charles Kenyon ’14  Nathaniel Rickler ’13
Rachel Ellis ’14  Emmelyn Leung ’13  Ellen Schneider ’13
Zoë Fahy ’13  Jacob McIntosh ’13  Natalie Shribman ’14
Lauren Farnsworth ’13  Holly McLaughlin ’13  Conor Smith ’14
Ellen Gawarkiewicz ’13  Mary Millard ’14  Caroline Sollman ’13
John Gonsalves ’14  Hannah Miller ’14  Mackenzie Stelle ’13
Andrew Grant ’13  Lucas Miliken ’13  William Stratham ’13
Rosalie Hale ’14  Heather Monty ’14  Catherine Strauch ’14
Grady Hogan ’13  Fergus Moynihan ’13  Carla Tilchin ’13
Molly Huffaker ’14  Sarah Murphy ’14  Alison Travers ’14
Rohan Jaffrey ’14  Ingrid Norrmen-Smith ’13  Sarah Wason ’13
Patrick Jeffries ’14  Lena Oppe ’13  Melanie Watson ’14
Daniel Jordan ’14  Margaret Pickoff ’13  Emily White ’14
Lundat Kassa ’13  Elizabeth Pyne ’13  Kailey Worboys ’13

Bates College Modern Dance Company

Dancers

Kathryn Ailes ’14  Patreece Joseph ’14
Hannah Archibald ’13  Kathilee Kenlock ’14
Kendra Asklof ’15  Zak Kofos ’13
Afifa Avril ’15  Chris Lane ’13
Leroy Barnes ’14  Julia Lipner ’16
Jennifer Bergeron ’14  Talia Mason ’15
Andria Bhagwandeen ’15  Orion McBean ’13
Mary-Anne Bodnar ’16  Danielle Morris ’13
Basia Braboy ’13  Anne Ngo ’14
Ashley Bryant ’16  Katrina Orlov ’13
Stephanie Cade ’13  Caroline Paikoff ’16
Cheyenne Cannarozzo ’16  Whitney Paine ’16
Andrew Carranco ’14  Regan Radulski ’15
Bridget Chandhoke ’14  Junior Ramirez ’13
Tara Das ’16  Isaiah Rice ’15
Liza DeWitt ’13  Lydia Rubenstein ’15
Tomisha Edwards ’15  Rokya Samake ’15
Sara El Assad ’14  Kelsey Schober ’16
Amanda Eller ’13  Tiffany So ’13
Colleen Fitzgerald ’14  Rachel Spence ’14
Shoshana Foster ’15  Emma Stern ’16
Alexandra Freed ’16  Katharine Straw ’13
Ramya Ghantasala ’15  Sarah Wainshal ’16
Alison Haymes ’16  Jessica Washington ’13
Yi Zheng Hwa ’13  Aaron Young ’16
Travis Jones ’13

Choreographers

Leroy Barnes ’14
Basia Braboy ’13
Stephanie Cade ’13
Tomisha Edwards ’15
Amanda Eller ’13
Zoë Fahy ’13
Colleen Fitzgerald ’14
Alison Haymes ’16
Yi Zheng Hwa ’13
Travis Jones ’13
Patreece Joseph ’14
Talia Mason ’15
Claire McGlave ’15
Katrina Orlov ’13
Kirsten Pianka ’13
Regan Raulsuk ’15
Kelsey Schober ’16
Emma Stern ’16
Katharine Straw ’13
Jessica Washington ’13

Crew List

Kathryn Ailes ’14  Russell Epstein ’13  Nikhil Krishna ’13  Kahea Mueller ’15
Remy Albert ’13  Zoë Fahy ’13  Anna Lanoue ’15  Daniel Paseltiner
Daniel Bak ’13  Carol Farrell  Rachel Levine ’15  Kirsten Pianka ’13
Linnea Brotz ’15  Guenevere Figueroa ’15  Sheena Malik ’13  Kathy Polanco ’15
Anne Cravero ’13  Colleen Fitzgerald ’14  Karnes McCarrick ’15  Kelsey Schober ’16
Brittney Davis ’14  Sarah Fusco ’13  Samuel Metzger ’14  Jennifer Ward ’13
### Bates College Choir

**Sopranos**  
Caroline Anson ’13  
Emily Baumgarten ’16  
Kelsey Berry ’16  
Sarah Dik ’14  
Carrie Dillaway ’13  
Sarah El Assad ’14  
Julia Eyman ’15  
Kate Fetrow ’13  
Laura Franke ’15  
Lauren Hadiaris ’13  
Lea Goodman-Herrick ’13  
Emily Johnson ’15  
So Hee Ki ’16  
Carrie Kissick ’16  
Courtney Lemenze ’13  
Ingrid Norrmen-Smith ’13  
Julia Ofman ’15  
Jacqueline Ordemann ’15  
Minh-Tam Pham ’15  
Fiona Robbins ’15  
Catherine Strauch ’14  
Sarah Wainshal ’16  
Maud Welch ’13  
Anna Williams ’16

**Altos**  
Asantewaa Agyare ’15  
Rebecca Basell ’16  
Ashley Bryan ’16  
Maya Cates-Carney ’16  
Sara Charí ’14  
Sophie Dalterio ’13  
Jeynaba Diallo ’15  
Alexandra Freed ’16  
Colette Girardin ’16  
Madeline Legro ’16  
Lei Lei ’14  
Ashley Lepre ’13  
Frances Leslie ’15  
Emmelyn Leung ’13  
Eve Maxson ’16  
Claire McGlave ’15  
Caroline Paikoff ’16  
Corinna Parisi ’13  
Rociel Pena ’14  
MacKenzie Pendergast ’15  
Lane Peterson ’15  
Cameron Sheldon ’13  
Caroline Sollmann ’13  
Devin Tatro ’14  
Nancy Weidner ’13

**Tenors**  
Nicholas Arango ’15  
William Auer ’15  
Benjamin Merkert ’15  
Brett Ranieri ’16  
Guoqing Sun ’13  
Hank Woolley ’13

**Basses**  
Angel Borland ’13  
Hank Geng ’13  
Jonah Greenawalt ’16  
Alexander Hadiaris ’15  
Nikhil Krishna ’13  
Gunnar Manchester ’15  
Samuel Spicer ’15  
Qianli Xiao ’13  
Matthew Silverman ’15  
Nicholas Flynn ’15  
Thomas Fitzgerald ’16

### Bates College Orchestra

**Violin**  
Gregory Boardman  
Jessie Boardman  
Heather Fisher ’14  
Gabriel Mizrachi ’16  
Yanying Sheng ’16  
Linda Vaillancourt  
Aaron Young  
Gregory Boardman  
Jessica Cooper ’13  
Robert Dan  
Ramya Ghantasala ’15  
So Hee Ki ’16  
Linda Vaillancourt

**Violoncello**  
Alexander Bennett ’15  
Henry Bruzzese ’16  
Julie Chen  
Charles Oehrtmann  
Rebecca Schwartz ’16  
Billie Jo Britto  
Steven Staffa ’15

**Bassoon**  
Joanne Chandler

**Horn**  
Molly Bruzzese ’13  
Grace Kenney ’16  
Gary Kersbergen ’16  
Margery Landis  
Christopher Schiff

**Flute**  
Rebecca Schwartz ’16

**Organ**  
James Parakilas

**Trombone**  
Danielle Langord  
James Parakilas
Upcoming Student Presentations and Performances

Monday, April 1
7:30 PM, Olin Concert Hall
Senior Thesis Concert: Lea Goodman-Herrick ’13

Tuesday, April 2
7:30 PM, Olin Concert Hall
Concert: Computer Music II

Wednesday, April 3
7:00 PM, Olin Concert Hall
The Bates College Jazz Band

7:00 PM, Pettengill G52
Poster session, MATH 217, Differential Equations

Thursday, April 4
12:10 – 12:50 PM, Marcy Plavin Dance Studios, Merrill Gymnasium
Dance Classes Informal Show
Jazz, Ballet, Modern Partnering, Dance Ensemble A&B

7:00 PM, Olin Concert Hall
The Bates Steel Pan Orchestra

Friday, April 5 (continued)
Time TBD, Bates Mill Complex, off Chestnut Street, facing Canal Street
Thesis Dance Performance, Zoë Fahy ’13

Saturday, April 6
Time TBD, Bates Mill Complex, off Chestnut Street, facing Canal Street
Thesis Dance Performance, Zoë Fahy ’13

Sunday, April 7
3:00 PM, Olin Concert Hall
Senior Thesis Concert: Jessica Cooper ’13, viola

7:30 PM, Gannett Theatre
Voice and Speech Performance
Final projects by students in THEA 363, Voice and Speech

Tuesday, April 9
3:45-5:45 PM, Pettengill G52
Women’s Health Fair, presented by students in PS/WS 343, Women, Culture, and Health

Wednesday, May 22
5:00 PM, Schaeffer Theatre
Short Term Dance Variety Show
Featuring works by student choreographers and student dance groups

Friday, April 5
5:00 PM, Museum of Art Opening: Senior Exhibition 2013
Exhibition runs through May 25