

Schedule of Events

12:00 – 12:15

Welcome and Opening Remarks

Nancy E. Hall

Director, Center for Undergraduate Research

Susan Hunter

Provost & Vice President for Academic Affairs

12:15 – 12:45

Poster Presentations & Exhibits

12:45-1:00

Intermission

1:00 – 2:00

Oral Presentations & Performances

Glimmers of the Soul

Mae Walters

**A Challenge to the Conventionality of
Drug Abuse Narratives**

Andrew Prindle

**Performances as Human Behavior: A Study
of How Cultures Use Performance to Explain
Human Behavior & Psychological Trauma**

Emma Davis

Large Crowd Interaction

Jesse Melanson

2:00 – 3:00

Poster Presentations & Exhibits Continue

*The Center for Undergraduate Research
Presents...*

The Undergraduate Research & Academic Showcase

April 14, 2010

Noon-3:00pm

Wells Commons Conference Room

A Special Thank You to the Student Mentors

Alan Rosenwasser

Audrey Minutolo

Beth Wiemann

Bob Bayer

Brian Robinson

Caroline Noblet

Christopher Nightingale

Darrell Donahue

Dave Hiebeler

Elizabeth Bicknell

Elizabeth McKillen

George Bernhardt

Jay Rasaiah

Jody Jellison

Jon Ippolito

Kate Beard-Tisdale

Kirsten Jacobson

Kristin Langellier

Len Kass

Michael Robbins

Mike Scott

Nancy Hall

Sam Hess

Sandy Sigmon

Sara Speidel

Shaleen Jain

Sharon Ashworth

Shawn Ell

Steve Barkan

Sunny Hughes

Susan Groce

Touradj Solouki

And to the Research & Academic Showcase Committee:

Sharon Ashworth

Steve Barkan

Catie-An Cardner

Amy Fried

Mimi Killinger

Nancy E. Hall



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Poster Presentations & Exhibits

Susan Smith	<i>Artistic Process: The Tree Project</i>
Malorie Wormwood, Anna Bean, Danie Khun, Jade Tran, Ashley Pomelow	<i>Viola Rand Elementary School Nutrition and Physical Activity Program</i>
Bryn Nugent	<i>ZrSion Thin Films For High Temperature Sensing Applications</i>
Ryan Whipkey	<i>Complex Sample Analyses: Assessing the Reproducibility of Electrospay Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry ESI/FTMS in Petroleumics</i>
Danielle Gagner	<i>Free Student Gardens: A Collaborative Interior Design Sculpture</i>
Ethan Frick	<i>The Impact of Global and Local Incentives on Decision Making Under High Uncertainty</i>
Michael Maberry	<i>Edmund Muskie and the Clean Water Act</i>
Samantha Tardiff	<i>Research & Study of Jewel V. NSA Case</i>
Cassie Clement, Kathryn DeLong, Erin Mullaney	<i>Perinatal Stroke & Plasticity: A Literature Review</i>
Kate Mulcahey, Emily Snyder, Megan Wiley, Lindsay Ford	<i>Hand & Respiratory Hygiene of 5th Graders</i>
Jennifer Corthell	<i>Birth Control as an Incentive For the Future of American Women</i>
Brennan Cammack, Rachel Garbe, Yanghee Kwon, Amber Nadeau, Emily Powell	<i>Nutritional Teaching to Promote Wellness to the Residents of Marsh Island Apartments</i>
Amy Luce	<i>Anxiety, Depression, and Cognitive Performance: The Maine-Syracuse Study</i>
Joshua McGrath, Seth Smith, Oghenetega Dibia, Zev Eisenberg	<i>The Friend Finder: A Case Study of Wearable Social Networking Devices</i>
Christine Howard, Joseph A. Shaw, Katelyn Kinney, Alycia Laferte, Cassandra Hodgson	<i>Obturator Rupture in a Division I Collegiate Football Player: A Case Study</i>
Caleb Swanberg	<i>Cofilin 1: An Essential Player in Zebrafish Development</i>
Timothy D. Baker, Ryan Pottle, Sarah Skioldhanlin, Samuel Foster	<i>SimStream: Simulating the Complex Dynamics Between a Stream Ecosystem and Neighboring City</i>
Jared Dickinson, Mitchell Slevinsky, Gene Schaff, Cortney Marsh, Nicole Nadeau, Kristen Dube, Brandon Prescott	<i>Bridges Out of Poverty</i>
Katherine MacDonald	<i>A Study of Free Will and Body Modification</i>
Sherry Eldridge	<i>Multimodal Sensory System in Mysticeti: Exploratory Methods for Somatosensory Signal Transduction & Triangulation</i>
Danielle Murray	<i>The Effects of Religiosity as a Deterrent for Illicit Drug Use of Adolescents</i>
Elisabeth Poling	<i>Making Aquaculture More Sustainable: Rhizopus oryzae as a Protein Replacement for Fish Meal</i>
Amanda Harvey	<i>Improving the Detection of Disinfection Byproducts in Drinking Water</i>
Megan Grover, Liz Souza, Bethany Gould, Kathryn Butterly, Laycee Osborne	<i>Hampden Academy: Substance Abuse Education</i>

Zev Eisenberg, Ian McClure, Jonathan Simpson	<i>Emerging Media and Gaming Behavior: A Case Study</i>
Jeannine Campbell, Samantha Caron, Sarah Frost	<i>The Characteristics of Auditory Dysfunction and its Presence in Returning War Soldiers with Blast-Related/Traumatic Brain Injuries</i>
Amy Palin	<i>Activity-Regulated Cytoskeletal Protein (ARC) in the Suprachiasmatic Session Type Nucleus in a Rat Model of Alcohol Withdrawal</i>
Matthew Louis	<i>The Observational Effects of Rapid Pressure Change on the American Lobster</i>
Nicholas Rucker & Zoe French	<i>Supernatural Sightings</i>
Erin Miller	<i>Cofilin-1 as an Essential Regulator of F-actin Dynamics in Podocytes</i>
Alexander Heathco	<i>Sensitivity and Health Concerns in Women with Seasonal Affective Disorder</i>
Terry Hall, Lynne Bowden, Caroline Lucy, Bethany Chapin, Michelle Pelletier, Natasha Zito	<i>An Educational Exhibit to Promote Elderly Safety in Waldo County</i>
Kristin Tormollan	<i>The History and Constitutionality of the Transportation Security Administration Programs</i>
Soleil Mathieu, Laura Schonenberg, Laura Woodbury, Meagan Moody, Hayley Quirk	<i>Hand Hygiene Educational Program at Penobscot Christian School</i>
Gregory Penoncello	<i>Simultaneous Imaging of Three Distinct Fluorescent Proteins Using Fluorescence Photo activation Localization Microscopy (FPALM)</i>
Andrea Lynn, Morgan Alley, Rebekah Crawford, Lindsey Coyne, Nicole Rodrigue	<i>The Homeless Population: Nursing Intervention for a Community in Need</i>
Josh Belanger, Nathan Blanchette, Seth Robinson, Nathan Pepin	<i>Event Viewer: A Computer-based Information System</i>
Joshua Jandreau	<i>A Study of Music Composition</i>
Heather Omand	<i>Seventeenth Century Passamaquoddy and French Occupation on Machias Bay</i>
Erin Brunk	<i>The Role of Cf III in Zebrafish Embryonic Development and Kidney Function</i>
Yin Chiu	<i>Stochastic Particle-Based Model of Cellular Rearrangement</i>
Anna Briggs Learning	<i>Disruption of Holistic Processing Impairs Category</i>
Ryan Dawes	<i>Fluorescence Correlation Spectroscopy of FGF Protein Transfer Across an Actin-Supported Model Membrane</i>
Michael Shepherd	<i>Newspaper Bailout? A Legal Analysis of the Newspaper Revitalization Act</i>
Celia Raymond	<i>Application of Near Infrared Spectroscopy on Forest Bioproduct Extractions</i>
Kevin A. Price	<i>The Experience of Maine Municipalities with Wind Power</i>
Sheena Hunter	<i>Parents as Scholars: Investing in Education</i>
Amanda Ellis	<i>Maine's Female Offenders: Do Demographics Impact Recidivism Rates?</i>