

# Schedule of Events

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8:00 A.M.

CONTINENTAL BREAKFAST — *Buckley Center Art Gallery, Buckley Auditorium Foyer, Franz Hall Skybridge*

9:00 A.M.

FIRST PRESENTATION SESSION

College of Arts & Sciences  
English & Foreign Languages  
Volunteer Services

Presentation — *Franz Hall 006*  
Kate Regan and Jenna Padbury, Faculty Sponsors

"Engaging the Mission through the Humanities" presented by Adam Heuett, Micaela Theisen, Lilah Hegnauer, Christine King, and Mark Driessen

College of Arts & Sciences  
Environmental Science  
Theology

Presentation — *Franz Hall 206*  
Steven Kolmes and Russell Butkus, Faculty Sponsors

"Environmental Issues in the Columbia River Estuary" presented by Martin Argenti, Maura Bannon, Gavin Clark, Brianna Dorie, Emily Lewis, Kari Meiser, Jarod Norton, Brendan O'Sullivan, Monica Rectenwald, and Patricia Rowe

College of Arts & Sciences  
Honors Program

Honors Thesis Presentations — *Franz Hall 223*  
Jim Stemler, Faculty Sponsor

"The Effects of In Utero Exposure to Methadone on the Respiration of the Neonatal Guinea Pig" by Stephanie Abraham

"The Effects of an Acute Physical Stressor on mRNA in the Locus Coeruleus of Rats" by Kayleen Carnahan

"The Effects of Exercise on Sarcoplasmic Reticulum Calcium Release" by Nicole Gesik

College of Arts & Sciences  
Political Science

Mock Trial Team Presentation — *Buckley Center 163*  
Steven Taylor '78, Hon. Charles Kuffner, Deena Muna Ryerson '95 and Catherine Rubio Kuffner '94, Faculty Sponsors

What is the scientific cause of the victim's death? Did Tony Sturmanis die from the blow inflicted by his opponent, Michael Harmon? Or was it the inevitable result of his polycystic kidney disease and a ruptured aneurysm? Expert testimony from Dr. Quincy and Dr. Carver will be the key to solving the mystery. Presented by McKenzie Cullen, Bryan Dennis, Brian Elliott, Aaron Johnson, Shawna Lee, Bill Lewis, Eric Messer, and Brant Norquist

College of Arts & Sciences  
Social & Behavioral Sciences

Social Work: Service and Social Justice Presentations — *Franz Hall 034*  
Joseph Gallegos and Anissa Rogers, Faculty Sponsors

"Advocating for Senior Citizens in the Portland Area" by Joe Garvey

"Social Work Services and Social Justice" by Brook Malzahn

	"The Most Vulnerable: Child Abuse and Prevention in Oregon" by Rebecca Rebbe
	"International Social Work: America's Responsibilities" by Molly Malone
College of Arts & Sciences Theology Social & Behavioral Sciences	<p>Presentation — <i>Franz Hall 231</i> Matthew Baasten and Robert Duff, Faculty Sponsors</p> <p>"Cohabitation: A Modern Phenomena" presented by Christopher Cavanaugh, moderator, Matthew Miller, Matthew Kathan, Madeline Maxwell, and Kyle Johnson</p>
College of Arts & Sciences Theology Social & Behavioral Sciences	<p>Presentation — <i>Franz Hall 214</i> Matthew Baasten and Robert Duff, Faculty Sponsors</p> <p>"Same Sex Marriage — Exploring Different Perspectives" presented by Krystle Moen, Brendan Hochstein, Quinn Finnigan, Amerigo Brioschi, Keaton Norquist, and Kevin O'Brien</p>
College of Arts & Sciences	<p>Presentation — <i>Franz Hall 015*</i> Rev. Art Wheeler, C.S.C., Faculty Sponsor</p> <p>"Balancing Academics and Athletics at University of Portland" by Imani Dorsey, Kevin Clausen, Wanda Rozwadowska, and Adam Quick</p>
School of Nursing	<p>Presentations — <i>Buckley Center Auditorium</i></p> <p>"Bullying in Elementary School: Creating Hurt-free Schools" by A-li Yun</p> <p>"Nutritional Health and Advocacy Among Head Start Children" by Tammy Winchell</p>
Pamplin School of Business Administration	<p>Presentations — <i>Franz Hall 234</i> Howard Feldman, Faculty Sponsor</p> <p>"International Collegiate Business Strategy (ICBS)" presented by Stephanie Brewer, Dan Medak, Phil Cooke, and Ben Goodyear. Senior students in business will talk about the ICBS national business simulation competition held annually in San Diego.</p>
School of Engineering	<p>Presentations — <i>Engineering 216</i></p> <p>"A CMOS Weekend Countdown Timer" by Tony Faris, Joseph Leineweber, and Jeffrey Schlichting. Chris Vondrachek, Intel Corporation, Industry Representative. Joseph P. Hoffbeck and Yui-Hwa Lu, Faculty Sponsors</p> <p>"In-line Headphone Amplifier" by James Bosak, Casey Hughes, and Jeffery Sharp. Howard Voorheis, John Fluke Manufacturing (ret.), Industry Representative Aziz Inan and Robert Albright, Faculty Sponsors</p> <p>"A CMOS 4-Bit by 4-Bit Multiplier" by Scott Sato and Ross Yoshioka. Mike DeSmith, Intel Corporation, Industry Representative. Peter Osterberg and Sigurd Lillevik, Faculty Sponsors</p>

	<p>"A CMOS Traffic Light and Intersection Control Circuit" by Khalfan Al-Mehairi, Tram Nguyen, Michael Rybel, and Cardez Thomas. Mike Uhl, Intel Corporation, Industry Representative. Sigurd Lillevik and Zia Yamayee, Faculty Sponsors</p> <p>"RC Helicopter Performance Monitor" by Rebecca Eckert, Daniel Gebhardt, Christopher Glanville, and Tri Nguyen. Zach Gorman, Network Elements, Industry Representative. Yui-Hwa Lu and Joseph Hoffbeck, Faculty Sponsors</p>
School of Education	<p>Creating the Fabric for a University of Portland Professional Educator — <i>Franz Hall 026</i></p> <p>Syd Steinbock, Faculty Sponsor</p> <p>Authors: Mary Abbott, Jennifer Barhoum, Melinda Bibbens, Jennifer Bosa, Allison Bowers, An Thien Bui, Jessica Conte, Meaghan Fleming, Paul Hanson, Casey Hughes, Annalise Johnson, Jessica Johnson, Branden Jost, Sara Kenney, Toni Kovacevic, Katharine Longstreth, Brittany Lyman, Milissa Lyski, Heather Merrill, Leta Merrill, Mandy Miller, Ngoc-Huyen Nguyen, Marie Nolan, Leigh Nutting, Caitlin O'Connor, Kristin O'Connor, Sarah Osterholm, Jennifer Pelkey, Emily Rust, Sara Seitz, Barbara Shanahan, Karin Swarner, and Mago Weston</p>
School of Education	<p>The Life of a University of Portland Secondary Education Major — <i>Franz 212</i></p> <p>Patricia Morrell, Faculty Sponsor</p> <p>Authors: Bobi Blue, Mark Druyos, Casey Keller, Bryce Majors, Kosal Sam, Nick Schuetze, Dawna Spencer, and Cheryl Truman</p>
Shepard Freshman Resource Center	<p>Freshman Focus Groups — <i>BC 106, BC 108, BC 110, BC 111, BC 112</i></p> <p>Regina Largent and Karen Nelson, Faculty Sponsors</p>
10:15 A.M.	<p>SECOND PRESENTATION SESSION</p>
College of Arts & Sciences English & Foreign Languages Volunteer Services	<p>Presentation — <i>Franz Hall 006</i></p> <p>Kate Regan and Jenna Padbury, Faculty Sponsors</p> <p>"Engaging the Mission through the Humanities" presented by Adam Heuett, Micaela Theisen, Lilah Hegnauer, Christine King, and Mark Driessen</p>
College of Arts & Sciences Environmental Science Theology	<p>Presentation — <i>Franz Hall 206</i></p> <p>Steven Kolmes and Russell Butkus, Faculty Sponsors</p> <p>"Environmental Issues in the Columbia River Estuary" presented by Martin Argenti, Maura Bannon, Gavin Clark, Brianna Dorie, Emily Lewis, Kari Meiser, Jarod Norton, Brendan O'Sullivan, Monica Rectenwald, and Patricia Rowe</p>
College of Arts & Sciences Honors Program	<p>Honors Thesis Presentations — <i>Franz Hall 223</i></p> <p>Jim Stemler, Faculty Sponsor</p> <p>"HMGB4 and Znf198 Proteins and the Hematopoietic Stem Cell Development in Zebrafish" by Julianne Chalupa</p> <p>"The Effects of Exercise on Reactive Thiols of the Sarcoplasmic Reticulum" by Jillene Casey</p>

College of Arts & Sciences Political Science	<p>Mock Trial Team Presentation — <i>Buckley Center 163</i> Steven Taylor '78, Hon. Charles Kuffner, Deena Muna Ryerson '95 and Catherine Rubio Kuffner '94, Faculty Sponsors</p> <p>What are the defendant's motives? Was Michael Harmon exacting revenge upon the new boyfriend of his ex-wife, Vicki? Or was he simply defending himself against the charging Sturmanis? Mr. and Mrs. Harmon will both take the stand. Presented by Theresa Abbene, Chris Cavanaugh, Brian Elliott, Amy Guenther, Jana Jorgensen, Shawna Lee, Kristy Nielsen, Lauren Rogers, Nate Schacht, and Chelsea Unsbee</p>
College of Arts & Sciences Theology Social & Behavioral Sciences	<p>Presentation — <i>Franz Hall 231</i> Matthew Baasten and Robert Duff, Faculty Sponsors</p> <p>"Cohabitation: A Modern Phenomena" presented by Christopher Cavanaugh, moderator, Matthew Miller, Matthew Kathan, Madeline Maxwell, and Kyle Johnson</p>
College of Arts & Sciences Theology Social & Behavioral Sciences	<p>Presentation — <i>Franz Hall 214</i> Matthew Baasten and Robert Duff, Faculty Sponsors</p> <p>"Same Sex Marriage: Exploring different perspectives" by Krystle Moen, Brendan Hochstein, Quinn Finnigan, Amerigo Brioschi, Keaton Norquist, and Kevin O'Brien</p>
College of Arts & Sciences	<p>Presentation — <i>Franz Hall 015</i> Rev. Art Wheeler, C.S.C., Faculty Sponsor</p> <p>"Balancing Academics and Athletics at University of Portland" presented by Khalila O'Reilly-Williams, Kyle Tanner, Sara Sundborg, and Kyle Corra</p>
School of Nursing	<p>Presentations — <i>Buckley Center Auditorium</i></p> <p>"Health for the Homeless" by McKenzie Aoki</p> <p>"Teaching Partnerships with African American Midwives" by Mary (Katie) Shoup</p>
Pamplin School of Business Administration	<p>Presentations — <i>Franz Hall 217</i> Brian Adams, Faculty Sponsor</p> <p>UPFMIA is an organization created by four senior business students to fund education for future business students while providing a connection to the local community. Presented by Dan Medak, John Domingo, Evan White, and Michelle Vanderpole</p>



Pamplin School of  
Business Administration

\$16K Challenge Presentations — *Franz Hall 026*  
Heidi Sause, Faculty Sponsor

"Cabin Treasures" presented by Ryder Egelston. Cabin Treasures is a one-stop shop for hand-made natural and log furnishings. By bringing together artisans with different styles, products and materials from across the country into a virtual store, Cabin Treasures is able to offer its customers a better selection and considerable time savings over the traditional purchasing process.

Pamplin School of  
Business Administration

\$16K Challenge Presentations — *Franz Hall 026*  
Heidi Sause, Faculty Sponsor

"Enable Mart" presented by Denis Moulton. Denis will discuss his innovative start-up company, EnableMart, which provides assistive technology to everyone.

School of Engineering

Presentations — *Engineering 216*

"Beowulf Cluster with Genetic Algorithm Load Balancing" by Anthony Supinski and William Sword. Noah van Dresser, Intel Corporation, Industry Representative. Bart Rylander and Sigurd Lillevik, Faculty Sponsors

"Computer Science Web Site" by Michael Gartman, Bradley Goostree, and Aaron Swain. Walt Harrison - Intel Corporation (ret.), Industry Representative. Sigurd Lillevik and Steven Vegdahl, Faculty Sponsors

"StatMonitor Application" by Todd DeCosta, Troy Kanemura and Nicholas Thede. Walt Harrison, Intel Corporation (ret.), Industry Representative. Mary Jane Willshire and Changli Jiao, Faculty Sponsors

"Syringe Compatibility Program" by Keith Hernandez and Scott Lukenbaugh. Tony Harold, Harland Financial Solutions, Industry Representative. Mary Jane Willshire and Changli Jiao, Faculty Sponsors

"Profession Specific Translator: Hospital Edition" by Kyle Johnson and Ismet Ozer. Glenna Van Duzer, Harland Financial Solutions, Industry Representative. Bart Rylander and Steven Vegdahl, Faculty Sponsors

11:30 A.M.

LUNCH — *Commons*

12:00 P.M.  
Performing & Fine Arts

HONORS MUSIC CONCERT — *Mago Hunt Recital Hall*  
Michael Connolly, Faculty Sponsor

Honors recital by Charles Ashou (piano), Samuel Barbara (tenor), Emily Burrows (soprano), Mark Druyos (saxophone), Julie Page (piano), Jane Stebbins (mezzo-soprano), Maxwell Sipe (guitar), and Benjamin Van Diepen (baritone)

1:00 P.M.

### THIRD PRESENTATION SESSION

College of Arts & Sciences  
Communication Studies

Conflict & Negotiation Management Presentation — *Franz Hall 223*  
Elayne Shapiro, Faculty Advisor

"Gay marriages: Who really cares?" presented by Micaela Theisen, Jacob Kellogg, Stephanie Martin, Amanda Straub, and Kelly Gunville

College of Arts & Sciences  
Communication Studies

Speech Team Presentation — *Franz Hall 015*  
Bohn Lattin, Faculty Sponsor

Speech Team Debate: "This house believes that education is the golden bullet" presented by David Balthazar, Michael Olson, Ali Brown, and Lindsey James

College of Arts & Sciences  
English

Senior Theses in English Presentations — *Franz Hall 018*  
John Orr, Faculty Sponsor

"Displacing Homosexuality in Nella Larsen's *Passing*" by Bridget Flaherty

"Timeless Honor" by Laurie Nakamoto

"Tippy South Cloud: Adventures of a Tired Enthusiast" by Christie King

"Faulkner's Perceptions of Time in *The Sound and the Fury*" by Brittany Hall

"Dark Under the Kiganda Stars" by Lilah Hegnauer

College of Arts & Sciences  
English & Foreign Languages  
History

Social Justice, Responsibility, and The Holocaust Presentations — *Franz Hall 006*  
Laura McLary and Brian Els, Faculty Sponsors

"Literary Responses: The German and Jewish Perspectives on the Holocaust" presented by Megan Banman, Sam Barbara, Jennifer Lindner, and Kristy Nielsen

"The Holocaust: An Actor's Perspective" presented by Kelsey Wingate and Kara Van Veghel

"A historical discussion about death camps in the Holocaust" presented by Kristen Moore

College of Arts & Sciences  
Social & Behavioral Sciences

Social Contexts and the Challenges of Youth Presentations — *Franz Hall 026*  
Martin Monto, Faculty Sponsor

"Is America's Pastime Past its Time? Declines in Youth Sports Participation" by Matt Wissbaum

"Fast Food Marketing and Youth Obesity" by Liam Twomey

"America's Army — Recruiting the Video Game Generation" by "Jake" Martin Spangler

"Youth Ministry from Australia to America" by Bridget Mercier

"Female Street Youth in Portland" by Jocelyn Durant

College of Arts & Sciences  
Theology  
Social & Behavioral Sciences

Presentation — *Franz Hall 214*  
Matthew Baasten and Robert Duff, Faculty Sponsors

"Cohabitation: Does it help or hinder?" presented by Vanessa Duquette, Joshua Singsaas, Chantal Kyler, Garland Brown II, and Matthew Grosshans

College of Arts & Sciences  
Theology  
Social & Behavioral Sciences

Presentation — *Franz Hall 231*  
Matthew Baasten and Robert Duff, Faculty Sponsors

"Reproductive Technology: Social and Ethical Impact" presented by Khalila O'Rielly-Williams, Ashley Geertsen, Jennifer Hochstein, Cheryl Marie Shitabata, and Rachel Mills

College of Arts & Sciences

Presentation — *Franz Hall 206*  
Jenna Padbury, Faculty Sponsor

"La Frontera: Where the First and Third Worlds Collide" presented by Stephanie Ullinger, Anna O'Shea, and Nathaniel Dennehy

Pamplin School of  
Business Administration

Students in Free Enterprise (SIFE) Presentation — *Franz Hall 205*  
Don Draper, Faculty Sponsor

"Who we are and what we do" presented by Shannon Mann, Kari Johnsen, Matt Muhlhauser, Nathan Jansen, and Steve Nguyen. The University of Portland SIFE team will discuss the mission, goals and objectives of SIFE as well as detail the projects and impact they have had on campus as well as the local and global community.

School of Engineering

Senior Design Presentations — *Engineering 216*  
Robert Albright, Faculty Sponsor

"TTL 7400 Series Logic Tester using CMOS VLSIEN 216" presented by Paul Berardi, John McGlone, and Andrew Willis. Steve Kassel, Intel Corporation (ret.), Industry Representative. 7400 series TTL logic integrated circuits are the primary means of implementing digital logic systems in the academic laboratory setting. Project Kokanee, the TTL 7400 Series Logic Tester using CMOS VLSI, provides a quick and easy solution for verifying the functionality of digital IC's. To implement the functional tester, Project Kokanee combines CMOS technology in the form of a PIC microcontroller and a custom-designed digital integrated circuit to create a viable solution.

School of Engineering

Senior Design Presentations — *Engineering 216*  
V. Dakshina Murty, Faculty Sponsor

"Mechanical Heart Simulator" presented by Matthew Smeraglio, Landon Castellano, and Michael Castellano. The goal of this project is to design and construct a machine that will simulate the operating of the human heart. The Heart Simulator is intended to be a learning tool for both Engineering and Biology students so that they can study the pressure and timing of blood flow from the organ.

School of Engineering

Senior Design Presentations — *Engineering 216*  
James W. Male, Faculty Sponsor

"University of Portland Track and Field Design" presented by Richard Bolton, Karynn Niimi, and Katharine Schoir. This project addresses the planning and design needed for a NCAA Division I Track and Field Facility for the University of Portland. The project includes many aspects of Civil Engineering: hydrology, structural design, transportation, geotechnical design, economics, and construction management. Details include track placement, orientation, layout, irrigation and drainage, seating, athlete and spectator facilities, accessibility, safety, and cost.

2:15 P.M.

#### FOURTH PRESENTATION SESSION

College of Arts & Sciences  
Communication Studies

Insights on Gender Differences, Social Class Mobility and Intolerance  
Presentations — *Franz Hall 034*  
Barbara Gayle, Faculty Sponsor

"How do popular men's and women's magazines help enforce gender roles in society?" by Alexia Rudolph

"Gender and television: The proliferation of female stereotypes" by Courtney Berry

"Investigating the intolerance of homosexuality" by Chrissy Roes

"Do men and women really communicate differently? A study of gender and self-disclosure" by Krindee Harmon

"Social class barriers to education" by Steve Underhill

College of Arts & Sciences  
Communication Studies

Conflict and Negotiation Management Presentation — *Franz Hall 223*  
Elayne Shapiro, Faculty Sponsor

"Gay marriages: Who really cares?" by Micaela Theisen, Jacob Kellogg, Stephanie Martin, Amanda Straub, and Kelly Gunville

College of Arts & Sciences  
Communication Studies

Speech Team Presentation — *Franz Hall 015*  
Bohn Lattin, Faculty Sponsor

Speech Team Debate: "This house believes that education is the golden bullet."  
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College of Arts & Sciences  
English & Foreign Languages  
History

Social Justice, Responsibility, and The Holocaust Presentations — *Franz Hall 006*  
Laura McLary and Brian Els, Faculty Sponsors

"Literary Responses: The German and Jewish Perspectives on the Holocaust" presented by Megan Banman, Sam Barbara, Jennifer Lindner, and Kristy Nielsen



"The Holocaust: An Actor's Perspective" presented by Kelsey Wingate and Kara Van Veghel

"A historical discussion about death camps in the Holocaust" presented by Kristen Moore

College of Arts & Sciences  
History

History Senior Presentations — *Franz Hall 018*  
Elise Moentmann, Faculty Sponsor

"More than Mountaineers: American Mountaineering Clubs, 1850-1900" by Micaela Theisen

"Guidelines of the Wilderness: Women as Forest Fire Lookouts during World War II" by Molly Zentner

"A Continual Suffering: The Damming of the Columbia River and its Impact on the Native American Population and Culture" by John Moriarity

College of Arts & Sciences  
Philosophy

Undergraduate Student Colloquia in Philosophy — *Franz Hall 026*  
Alex Santana, Faculty Sponsor

"Gender and the Phenomenological Body" by Matthew McAndrew

"Something in Between a Public and a Private Writer: a Critique of Rorty's Categorization of Derrida" by Anthony Pepitone

"Might Makes War" by Nate Sherfinski

College of Arts & Sciences  
Theology  
Social & Behavioral Sciences

Presentations — *Franz Hall 231*  
Matthew Baasten, and Robert Duff, Faculty Sponsors

"Reproductive Technology: Social and Ethical Impact" presented by Khalila O'Rielly-Williams, Ashley Geertsens, Jennifer Hochstein, Cheryl Marie Shitabata, and Rachel Mills

College of Arts & Sciences  
Theology  
Social & Behavioral Sciences

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College of Arts & Sciences

Presentation — *Franz Hall 206*  
Jenna Padbury, Faculty Sponsor

"La Frontera: Where the First and Third Worlds Collide" presented by Stephanie Ullinger, Anna O'Shea, and Nathaniel Dennehy

School of Engineering	<p>Senior Design Presentations — <i>Engineering 216</i> Kenneth Lulay, Faculty Sponsor</p> <p>"2004 Mini Baja Drivetrain and Frame Design" presented by Samuel Regier and Ryan Wafer. Mechanical Engineering students will again be participating in the Mini Baja competition. This presentation will discuss overall vehicle design criteria and concepts for the vehicle and then provide detailed information on the drivetrain and frame design. An overview of the competition as well as some of the history of the project at University of Portland will be included.</p>
School of Engineering	<p>Senior Design Presentations — <i>Engineering 216</i> Peter Osterberg, Faculty Sponsor</p> <p>"B<sup>2</sup> Logic to L-Edit Translator (BLT)" presented by John Chezem, Zachary Heath, and Damanjit Oberoi. David Dunning, Intel Corporation, Industry Representative. Project BLT (B<sup>2</sup> Logic to L-Edit Translator) consists of a translation program that converts a B<sup>2</sup> Logic netlist to a Tanner netlist. Previously, students manually converted the netlist that required much time and was error prone. Fabricated test chips indicate that the program successfully converted a number of VLSI designs.</p>
Shepard Freshman Resource Center	<p>Freshman Focus Groups — <i>BC 106, BC 108, BC 110, BC 111, BC 112</i> Regina Largent and Karen Nelson, Faculty Sponsors</p>
4:00 P.M.	<p>ACADEMIC CONVOCATION H.W. BRANDS, ZAHM LECTURE SENIOR AWARDS</p>
7:30 P.M.	<p><i>Playing for Time</i> — Mago Hunt Center Theater College of Arts &amp; Sciences, Performing &amp; Fine Arts</p>
ALL DAY	<p>POSTER PRESENTATIONS</p>
COLLEGE OF ARTS & SCIENCES	
Biology	<p>Biology Poster Presentations — <i>Franz Hall</i></p> <p>"Does canopy height influence monoterpene gradients in needles of <i>Pinus ponderosa</i>?" by Matt Kathan, Robert Fridinger, Renee Oba, and Laree Verd. Matt Kathan, Presenter; Mike Snow, Faculty Sponsor</p> <p>"Peer-led team learning training in chemistry and biology" by Jessica Vandervolgen and Kelly Medler. Becky Houck, Faculty Sponsor</p> <p>"Zoo Cooperatives: Studies in Animal Behavior" by Katy Rock, Marty Argenti, and Monica Rectenwald. Becky Houck, Faculty Sponsor</p> <p>"3D kinematics and neuromuscular activity during hummingbird flight over a range of speeds" by Gabe Hyder. Bret Tobalske, Faculty Sponsor</p> <p>"The stress response of Mountain Chickadees and Red-breasted Nuthatches in the Oregon Cascades" by Robert Fridinger. Katie O'Reilly, Faculty Sponsor</p> <p>"Effects of habitat differences on the breeding success of Common Terns nesting on Falkner Island, CT" by Leilani Nussman. Katie O'Reilly, Faculty Sponsor</p>

"The Efficacy of Sodium Borohydride in Quenching Autofluorescence of Fibroblasts" by Morgan Ballard, Annie Barry, and Melanie Davis. Morgan Ballard, Presenter, Ami Ahern-Rindell, Faculty Sponsor

"Analysis for the Presence of Extracellular Elastin in GM1 Affected Human and Sheep Fibroblasts" by Morgan Ballard, Annie Barry, and Melanie Davis. Melanie Davis, Presenter, Ami Ahern-Rindell, Faculty Sponsor

"Effect of Aging and Caloric Restriction on the Circadian Release of Testosterone and Melatonin in Male Rhesus Macaques" by Nona Aghazadeh-Sinai. Ami Ahern-Rindell, Faculty Sponsor

#### COLLEGE OF ARTS & SCIENCES

##### Chemistry and Physics

##### Chemistry and Physics Poster Presentations — *Franz Hall*

"Saturated Absorption Spectroscopy of Rubidium" by Lara Street. Shannon Mayer, Faculty Researcher

"Characterizing the Zwitterion-Lactone Equilibrium of Rhodamine B in Supercritical Carbon Dioxide" by Kimberly Kester and Andreas Gahlmann. Steven Mayer, Faculty Researcher

"Measuring the Effect of DNA Binding on the Electronic Absorption Spectra of Cyanine Dyes" by Kristi Rosmarin and Jinah Chung. Steven Mayer, Faculty Researcher

"Determining the Compressibility Factor of Carbon Dioxide: An Undergraduate Physical Chemistry Experiment" by Andrew Jackson-Davis, Andre Mansoor, and Andreas Gahlmann. Steven Mayer, Faculty Researcher

"Using an Ion Selective Electrode to Determine the Activity Coefficient of Chloride Ion as a Function of Ionic Strength" by Daniel Hage, Kristi Rosmarin, and Rachel Smith. Kevin Cantrell and Steven Mayer, Faculty Researchers

"Isolation and purification of Patulin from a *Penicillium* culture" by Nicole Wakida. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"In vitro culture of *Morinda citrifolia*" by Nicole Wakida. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"Extraction of Taxol from yew tree soil" by David Vo. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"A study of methyl jasmonate, salicylate and Taxol in Hazelnut Trees infected with Eastern Filbert Blight" by Maria Wescott. Sr. Angela Hoffman, O.S.B., Faculty Research Mentor

"Bacterial inhibition properties of *Phyllostachys decoma*" by Claire Evangelista. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"Inhibition of bacterial and fungal growth by fractions of *Smilacina racemosa*" by Vi Pham. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"HPLC analysis of an usnic acid derivative" by Nicole Wakida. Sr. Angela Hoffman, O.S.B., Faculty Researcher

"The effect of myocilin on the thermal inactivation of the restriction endonuclease Sty I" by Sherry Ostendorf. Ann Marie Anderssohn, Faculty Researcher

"The Automated Preconcentration and Spectrophotometric Determination of Redox Sensitive Metals in Aqueous Samples" by Rachel Smith. Kevin Cantrell, Faculty Researcher

"The Spectroscopic Determination of pH Using Immobilized Indicators" by Kristi Rosmarin. Kevin Cantrell, Faculty Researcher

"The Design and Construction of an Automated Multi-Functional Instrument for Quantitative Chemical Analysis" by David Unruh. Kevin Cantrell, Faculty Researcher

COLLEGE OF ARTS & SCIENCES

Communication Studies

Communication Studies Poster Presentations — *Franz Hall*  
Elayne Shapiro, Faculty Sponsor

- "The effects of gender on parental communication" by Madeline Maxwell  
"Leadership Impact on Employee Satisfaction" by Karin Zabel  
"Father Daughter Relationships" by Kelsey Jones  
"People's right to know versus government's right to secrecy" by Annabel Kuehn  
"TV and Men's self-esteem" by Danny Mero  
"Should we be friends: cross sex friendships" by Erin McClellan  
"Gender Stereotypes" by Cori Alexander  
"Teens and Tobacco" by Lori Baalman  
"Cultivation Theory" by Jake Weiderrich  
"Relationships Change" by Devon Peal  
"Mass media and stereotypes" by Cristina Martorello  
"How old are you" by Anne Marie Ashburn  
"Military Recruitment" by Megan Sprang

COLLEGE OF ARTS & SCIENCES

Social & Behavioral Sciences

Social Work and Social Justice Issues Posters — *Franz Hall*  
Joseph Gallegos and Anissa Rogers, Faculty Sponsors

- "Women and Domestic Violence" by Nancy Agard  
"How Social Work is a Way to Advocate for the Vulnerable" by Madeline Kate Collias  
"Women and Poverty" by Mary Edson  
"Recognizing and Reporting Child Abuse" by Jodi Dedon  
"Conflict Resolution in Social Work" by Erin Maguire  
"Advocating by Lobbying" by Elizabeth McGlasson  
"Gay Marriage: Advocacy, Tolerance, Acceptance, and Opposition" by Leigh Harper and Kika Honda

COLLEGE OF ARTS & SCIENCES

Social & Behavioral Sciences

Neighborhood Crime Poster Presentations — *Franz Hall*  
Nick McRee, Faculty Sponsor

Presented by Anne Bailey, Garland Brown, Stephanie Busse, Christopher Cavanaugh, Jennifer Downey, Jill Dullum, Martha Geoghegan, Jenifer Haner, Matthew Harriman, Meagan Kinsley, Kelley Klein, Jacquelyn Larson, Jessica McGuire, Mary Meacham, Douglas Nelson, Annette Nicovich, Michelle Oakland, Angela Parker, Tiffany Sanchez, Sarah Schindler, Cory Shimada, Zachary Szody, Mishelle Weygandt, Ian Wiggins, Molly Wolverton

COLLEGE OF ARTS & SCIENCES

Poster Presentation — *Franz Hall*  
Jenna LeJeune and Kate Drescher, Faculty Sponsors

"Living the Mission: An Interdisciplinary Learning." This poster incorporates the work of Nathaniel Bartch, Joshua Goff, Lindsay Hinton, Daniel Knox, Erin Maguire, Elizabeth McGlasson, Bridget Mercier, Kristen Moore, Katie Niemeyer, Lauren Orlandos, Ashlee Orndorff, Rebecca Rebbe, Sara St. James, Kyle Teeter, Micaela Theisen, Sara Thompson, Jenna LeJeune, and Kate Drescher