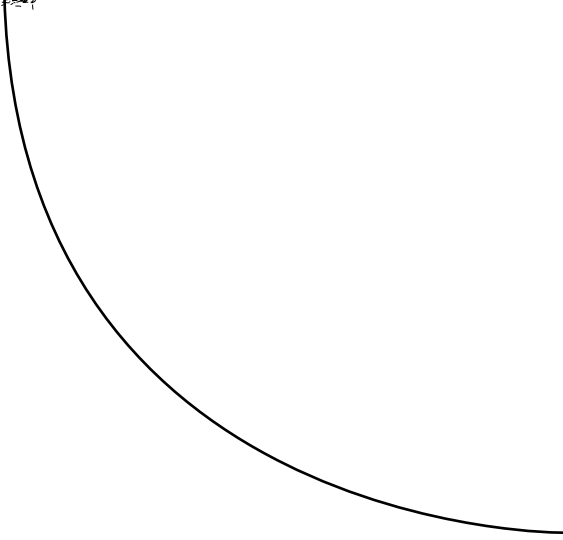




LINA UN



# Undergraduate Expo 2010

*Western Carolina University*

*March 22-25*

## Welcome

The twelfth Undergraduate Expo features 190 student presenters and 68 faculty sponsors, spread over twenty eight departments and four days. During this week, Western Carolina University celebrates undergraduate achievement, with presentations representing the creative thinking, research, practice, service, calculation, writing, and editing that occurs every day our institution is open, in studios, labs, classrooms, and out in the field. *Please take some time out this week to attend a presentation, even one that is out of your discipline, to learn more about what is taught and learned at your university.*

## The Expo Reception

The reception for students, faculty sponsors, and the community at large will begin at **5:30 p.m. on Monday, March 22, in the Grand Room at the University Center.** A brief program will start at 6:00 p.m. in the Grand Room, where RODIN awards will be announced.

## Poster Session

The Expo Poster Session will be held in and around the University Center Grand Room from 5:00 p.m. to approximately 6:30 p.m. on Monday, March 22.

## Press Releases for Student Presenters

WCU's Office of Public Relations routinely sends news releases about student activities and honors to hometown/local newspapers. Participants in the Undergraduate Expo who wish to take advantage of that service can visit the Web site <http://www.wcu.edu/22961.asp> to fill out an online biographical form and submit it via e-mail to the Public Relations Office.

The Public Relations Office also can send photographs of students to hometown/local newspapers to accompany the news releases. Students who wish to take advantage of that service are invited to come to Room 420 in H.F. Robinson Administration Building to have their photographs taken between 2 and 5 p.m. on Thursday, April 22, Wednesday, April 28, or Tuesday, May 4, or make an appointment at 828-227-3081. Students' personal photos will be considered for use, depending on quality. Head-and-shoulders shots may be e-mailed to [rholcomb@wcu.edu](mailto:rholcomb@wcu.edu).

## National Conference on Undergraduate Research (NCUR)

This year NCUR will be on the campus of the University of Montana, Missoula, April 15-17. Please check the program on the next page for the complete list of the 80 NCUR24 abstracts accepted; this year, **WCU is second in the nation in the number of accepted abstracts.**

## Acknowledgments

Without students to do the work and faculty members to mentor them, there would be no Expo. Many thanks to them, and to the deans, associate deans, directors, and department heads who did so much to help promote the Expo this year!

# National Conference on Undergraduate Research 2010

Below are the projects accepted, titles, student presenters, and their sponsors for NCUR24. Funding for travel to NCUR24 was made possible by Honors College Advisory Board members and assistance from the Office of the Chancellor.

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## Anthropology

*Shoo Fly Don't Bother Me! A Study of Entomological Activity in Western North Carolina*

Stephanie Peters, presenter  
Cheryl Johnston, sponsor

*The Plague: An Extensive Look at the Etiology, Distribution, and Ramifications of One of the Most Deadly Diseases in Human History.*

Cayli Meizel, presenter  
Anne Rogers, sponsor

*Buddhism and the "Third" Gender: Yesterday and Today*

Christina Esmay, presenter  
Philip Coyle, sponsor

## Business

*Investigating the Ethical Issues That are Present in the Cruise Line Industry*

Ashley Leserra, presenter  
Kyuhoo Lee, sponsor

*Exploring the Difference Between the Ritz-Carlton Hotel Company and Marriot International*

Yrome Graham, presenter  
Kyuhoo Lee, sponsor

*Investigating the Human Resource Coaching Strategy of J. Alexander's Restaurant Corporation*

Christopher Govan, presenter  
Kyuhoo Lee, sponsor

*Investigating Corporate Social Responsibility and Front-Line Employee Involvement in the Hospitality Industry*

Charity Harris, presenter  
Kyuhoo Lee, sponsor

*NCAA Letters of Intent: Where's the Commitment?*

Mary Moore, presenter  
Debra Burke, sponsor

*Investigating the Impact of Employee Morale*

Norma Coggins, presenter  
Kyuhoo Lee, sponsor

*Investigating the Organized Cultured Environment and Service Standards of the Four Seasons*

Hayley Duncan, presenter  
Kyuhoo Lee, sponsor

*Examining the Human Resource Management Practices of Brinker International, Inc., and How These Practices Have Contributed to the Firm's Ability to Expand Despite Unfavorable Economic Conditions*



## Health and Human Performance

*An Investigation into North Carolina's Culture of Obesity.*

Nicole Jesserer, presenter

Gibbs Knotts, sponsor

*Insidious Elbow Pain in a College Female*

Brandy Jones, presenter

James Scifers, sponsor

*Scheuermann's Kyphosis in a High School Football Player*

Andrea Kaufman, presenter

James Scifers, sponsor

*Acute Shoulder Injury in a Collegiate Football Player*

Amanda Taylor, presenter

James Scifers, sponsor

*Cervical Fracture in a High School Football Player*

Emily Whittington, presenter

James Scifers, sponsor  
Amanda Ter, presenter



## Philosophy (continued)

*Stretching the Inverted U: How Far Can Current Inequality Theories Take Us?*  
Phillip Matulich, presenter  
Todd Collins, sponsor

## Psychology

*Determinants of Male Attractiveness: "Hotness" Ratings as a Function of Perceived Resources*  
Gregory Shuler, presenter  
David McCord, sponsor

*Do Men Really Have Superior Spatial Navigation Abilities? Results of Experiment Point to No.*  
Gregory Shuler, presenter  
James Goodwin, sponsor

## Religious Studies

*'Go Back to the Shadow': Augustinian Evil in Tolkien*  
James Thomas, presenter  
John Whitmire, sponsor

*Righteousness in a World of Despair: Transcendental Film Style in Bresson's Au Hasard, Balthazar and Joffe's The Mission*  
Edwin Lohmeyer, presenter  
James McLachlan, sponsor

## Social Work

*Is America Starving?*  
Michael McLamb, presenter  
Inhyuck Ha, sponsor

## Sociology

*The Effects of Second Home Development: Comparing the Community Attachment of Residents in a Small Appalachian Community*  
Morgan Childers, presenter  
Anthony Hickey, sponsor

*A Contribution to Disproportionality in HIV Rates: Healthcare Disparities in North Carolina Minorities*  
Erin Gymburch, presenter  
Mary Byrnes, sponsor

*How Do Deployments Affect Military Families?*  
Ashley Shemery, presenter  
Peter Nieckarz, sponsor

*Towards a Modern Definition of Appalachia*  
Katy Elders, presenter  
Chris Cooper, sponsor

## Spanish

*Cuba: The Forbidden Country*  
Brittany Bottoms, presenter  
Daniel Ostergaard, sponsor

*ESL: The Good, the Bad, and the Ugly*  
Christine Weathers, presenter  
Lori Oxford, sponsor

*La Búsqueda Del Sueño Americano: The Pursuit of the American Dream as a Primary Motivation for Latino Immigrants*  
Marie Rawlings, presenter  
Mark Couture, sponsor

## Theatre/Drama

*The Actor and the Tattoo: Worst Enemies to Best Friends*  
Rebecca White, presenter  
Susan Brown-Straus, sponsor

## Women's Studies

*Shattered Innocence: An Examination of Global Human Trafficking*  
Amanda Bienhaus, presenter  
Michelle Scifers, sponsor





## Poster Session

5:00 - 6:30 PM -- University Center Grand Room & Lobby

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### College of Arts and Sciences

#### Anthropology & Sociology

\* *The "Third" Gender of Buddhism*

Student Presenter: Christina Esmay

Faculty Sponsor: Philip Coyle

#### Biology

*Research in Sustainable Beekeeping*

Student Presenters: Jeremiah Faw and Jason

Wolfe

Faculty Sponsor: Christopher Coburn

#### Chemistry/Physics

*Inhibition of Superoxide Dismutase by Low Molecular Weight Compounds.*

Student Presenter: Ben Hickman

Faculty Sponsor: Jack Summers

*Isolation and Characterization of Antitumor Compounds from *Arnoglossum atriplicifolium**

Student Presenter: Rachel M. Bleich

Faculty Sponsor: Jason A. Clement

*Surface Adsorption of Cetylpyridinium Chloride to Silica Gel*

Student Presenter: Jessica Spear

Faculty Sponsor: Carmen Huffman

#### Geosciences and Natural Resources

*Reflected Light Image Analysis Method: Application to Magnetic SPO Measurements*

Student Presenter: Tiffany Liner

## College of Business

### Accountancy, Finance, Information Systems and Economics

*Forecasting CPI Inflation for 2010-2011*

Student Presenter: Mike Beard

Faculty Sponsor: Robert F. Mulligan

*Forecasts of the Unemployment Rate for 2010-2011*

Student Presenter: Lauren Nixon

Faculty Sponsor: Robert F. Mulligan

*A Look at the North Carolina Film Making Tax Incentive and Its Effect on the State's Economy*

Student Presenter: Brooke Banther

Faculty Sponsor: Inhyuck Ha

*A Structural Change of a Local Economy: Catawba County, North Carolina*

Student Presenter: Charles Powell

Faculty Sponsor: Inhyuck Ha

*An Economic Impact of the Maryland Inter-County Connector*

Student Presenter: Ashley Wild

Faculty Sponsor: Inhyuck Ha

*Carolina Veterans - Proposal to New MLB Franchise*

Student Presenter: Jake Stryjewski

Faculty Sponsor: Inhyuck Ha

*Consumer Price Index Forecast*

Student Presenter: Jessica Martin

Faculty Sponsor: Robert F. Mulligan

*Forecast of Unemployment Rate for 2010 and 2011*

Student Presenter: Ashley Wild

Faculty Sponsor: Robert F. Mulligan

*Forecasting the Inflation Rate*

Student Presenter: Jeremiah Satterfield

Faculty Sponsor: Robert F. Mulligan

*Impact of Tractor Supply On Local Economy in Haywood County, NC*

Student Presenters: Darren Caudle and Luke Fleshman

Faculty Sponsor: Inhyuck Ha

*Improving Resource Allocation in Hospitals*

Student Presenter: Brodie Lowe

Faculty Sponsor: Inhyuck Ha

*Is America Starving?*

Student Presenter: Michael McLamb

Faculty Sponsor: Inhyuck Ha

*The Impacts of the NC 107 Connector on WNC: The Light Rail Alternative Approach to Transportation*

Student Presenters: Ryan Sims and Charles Parrish

Faculty Sponsor: Inhyuck Ha

*The Importance of Revitalization of Old Cullowhee*

Student Presenters: Patrick Buckley and Scott Lundgren

Faculty Sponsor: Inhyuck Ha

*Unemployment Rate Forecast*

Student Presenter: Jennifer Blanton

Faculty Sponsor: Robert F. Mulligan

### Business Administration and Law

*Christians v. the Lions: Conflict Between Freedom of Religion and Association and Non-Discrimination Policies on Public College Campuses*

Student Presenter: Rachel Bleich

Faculty Sponsor: Janet Ford

### Global Management

*Consulting Project for Macular Degeneration Foundation*

Student Presenters: Jessica Ball, Jonathan Billings, Kelly Huffman and Antonio Velazco

Faculty Sponsor: Daniel Ostergaard

*The Carr Research and Development Institute*

Student Presenters: Brittany Bottoms, Whitney Hughes, Robby Reeves and Melvin Van Velthoven

Faculty Sponsor: Daniel Ostergaard



## College of Health and Human Sciences (continued)

### Criminology and Criminal Justice (continued)

#### *Higher Education and Law Enforcement*

Student Presenter: Jaered Shelton

Faculty Sponsor: Jamie Vaske

#### *The CSI Effect in the Courtroom, Law Enforcement, and Academe*

Student Presenter: Courtney Dameron

Faculty Sponsors: Stephen Brown and Jamie Vaske

### School of Health Sciences - Athletic Training

#### *\* An Acute Shoulder Injury in a Collegiate Football Player*

Student Presenter: Amanda Taylor

Faculty Sponsor: Jill Manners

#### *Cervical Fracture of a High School Football Player*

Student Presenter: Frank Baker

Faculty Sponsor: Ashley Long

#### *\* Insidious Elbow Pain in a College Female*

Student Presenter: Brandy Jones

Faculty Sponsor: James Scifers

#### *\* Scheuermann's Kyphosis in a High School Football Player*

Student Presenter: Andrea N. Kaufman

Faculty Sponsor: James Scifers

### School of Health Sciences - Emergency Medical Care Program

#### *The Right Complication*

Student Presenters: Amanda Rogers and Chelsey Dyches

Faculty Sponsor: David Trigg

### School of Health Sciences - Environmental Health Program

#### *Comparing Integrated Sampling and Photoionization Detector Results to Encourage Real-time Monitoring of Solvents*

Student Presenter: Candice Waldron

Faculty Sponsor: Tracy Zontek

#### *Evaluation of Formaldehyde Concentrations in Cadaver Lab*

Student Presenter: Drew Craig

Faculty Sponsor: Burton Ogle

#### *Hazard Evaluation and PPE Assessment at Student Health Services*

Student Presenter: Armelja Sanxhaku

Faculty Sponsor: Burton Ogle

#### *Is the New Smoking Policy at Western Carolina University Effective?*

Student Presenters: Jessica Stevenson and Annaleise Lysen

Faculty Sponsor: Tracy Zontek

#### *Personal Protective Equipment Selection and Training Program for Janitors, Custodians, and Housekeepers at Western Carolina University*

Student Presenter: Neil Henry

Faculty Sponsor: Burton Ogle

#### *Using Movable Control Areas to Comply with International Building Code Chemical Storage Limits*

Student Presenter: Anna L. Voncannon

Faculty Sponsor: Tracy Zontek

### School of Health Sciences - Liberal Studies

#### *Using the Socio-Ecological Model to Understand Food Choices Among Western Carolina University Students*

Student Presenter: Katlyn Burchard

Faculty Sponsor: April Tallant

### School of Health Sciences - Nutrition and Dietetics Program

#### *A Cost Comparison of Some Common Weight Reduction Diets*

Student Presenter: Stephanie Pixely

Faculty Sponsor: Wayne Billon





## College of Sciences (continued)

### Philosophy & Religion

**Time: 10:00 AM**      **Place: Stillwell 225**

*MacIntyre's Critique of Modern Liberalism*

Student Presenter: Marshall Solomon

Faculty Sponsor: Daryl Hale

**Time: 3:45 PM**      **Place: McKee 223**

\* *To Be or To Become*

Student Presenter: Dave Young

Faculty Sponsor: James McLachlan

**Time: 4:15 PM**      **Place: McKee 223**

\* *Righteousness in a World of Despair:*

*Transcendental Film Style in Bresson's Au hasard*

*Balthazar and Joffe's The Mission*

Student Presenter: Eddie Lohmeyer

Faculty Sponsor: James McLachlan

**Time: 4:45 PM**      **Place: McKee 223**

\* *Samsara is Nirvana: Existential Logic of the Autonomous Self in Schelling & Nishida*

Student Presenter: Jared Utecht

Faculty Sponsor: James McLachlan

**Time: 5:00 PM**      **Place: McKee 223**

\* *Zombie Chaos! An Analysis of the Evolution of Apocalyptic Literature*

Student Presenter: Matt Kirby

Faculty Sponsor: James McLachlan

### Political Science & Public Affairs

**Time: 4:30 PM**      **Place: Stillwell 348**

\* *The Level of Education Spending and its Relation to Voter Turnout in the U.S.*

Student Presenter: Timoteo Hines

Faculty Sponsor: Todd Collins

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## College of Business

### Business Administration and Law

**Time: 4:00 PM**      **Place: Forsyth 307**

\* *NCAA Letters of Intent: Where's the Commitment?*

Student Presenter: Katie Moore

Faculty Sponsor: Debra Burke

**Time: 4:15 PM**      **Place: Forsyth 307**

*What You Should Know About Whistleblowing*

Student Presenter: Antonitte M. Burrell

Faculty Sponsor: Lorrie Willey

**Time: 4:30 PM**      **Place: Forsyth 307**

*Who Audits the Auditors? A Look at the PCAOB*

Student Presenter: Karen Erlacher

Faculty Sponsor: Lorrie Willey

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## College of Fine and Performing Arts

### School of Music

**Time: 2:30 PM**      **Place: Coulter 351**

*A Brief History of the Study of Symmetry in Music*

Student Presenter: Renee Morgan

Faculty Sponsor: Jason Solomon

**Time: 3:00 PM**      **Place: Coulter 351**

*The Clarinet Music of Johannes Brahms*

Student Presenter: Billie Jeanne Curns

Faculty Sponsor: Christina Reitz

**Time: 3:30 PM**      **Place: Coulter 351**



# Tuesday, March 23, 2010

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## College of Arts and Sciences

### Mathematics and Computer Science

**Time: 2:00 PM**      **Place: Stillwell 424**

*Factoring Polynomials of Type  $(x-a)(x-a) \dots (x-an) \pm 1$*

Student Presenter: Stephen Nanney

Faculty Sponsor: Risto Atanasov

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## College of Business

### Business Administration and Law

**Time: 10:10 AM**      **Place: Forsyth 213**

*Truth in Advertising: Fact or Fiction?*

Student Presenter: Jody Owens

Faculty Sponsor: Lorrie Willey

**Time: 2:15 PM**      **Place: Forsyth 214**

*Energy, Environmentalism, and Community Development*

Student Presenter: Mitchell Rosewall

Faculty Sponsor: Lorrie Willey

**Time: 2:00 PM**      **Place: Forsyth 214**

*Americans with Disabilities Act of 1990*

Student Presenter: Bryan David DeBlaker

Faculty Sponsor: Lorrie Willey

**Time: 2:30 PM**      **Place: Forsyth 214**

*Gambling as it Relates to Sport; and Sport Gambling as it Relates to Sociology*

Student Presenter: Justin Crawley

Faculty Sponsor: Lorrie Willey

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## Honors College

### Interdisciplinary Studies

#### Women's Issues

**Time: 9:30 AM**      **Place: UC Conference Room 322**

\* *Endometriosis and Fertility: Is Now or Never Really the Only Option?*

Student Presenter: Shannon Owen

Faculty Sponsor: Emily Sharpe

**Wednesday, March 24, 2010**

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**College of Arts and Sciences**

**Anthropology & Sociology**

**Time: 12:15 PM      Place: Mckee 110**

*\* A Contribution to Disproportionality in HIV*

*Rates: Healthcare Disparities in NC Minorities*

Student Presenter: Erin Gymburch

Faculty Sponsor: Mary Byrnes

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**College of Business**

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## College of Education and Allied Professions

### Health, Physical Education, and Recreation

**Time: 10:10 AM**      **Place: Reid 109**  
*The Modern Paddler of Western North Carolina*  
Student Presenters: Nathan Golder and David Wallace  
Faculty Sponsor: Ben Tholkes

**Time: 10:25 AM**      **Place: Reid 109**  
*Crowding in Outdoor Recreation*  
Student Presenters: Ian Harwell, Milas Dyer and Blake Jenkins  
Faculty Sponsor: Ben Tholkes

**Time: 11:30 AM**      **Place: Reid 109**  
*Sport Equity*  
Student Presenters: Kellie Oberholtzer and Hayley Bonvillain  
Faculty Sponsor: Ben Tholkes

**Time: 11:45 AM**      **Place: Reid 109**  
*High School Drags Business Plan*  
Student Presenter: Trevor Lemon  
Faculty Sponsor: Debby Singleton

### Psychology

**Time: 2:05 PM**      **Place: Killian 338**  
*The Relationship Between Sexual Behavior and Three Dimensions of Disgust*  
Student Presenter: Michael McGathy  
Faculty Sponsor: Hal Herzog

### Parks and Recreation Management

**Time: 11:00 AM**      **Place: Reid 109**  
*The Effects of an all Women's Workshop on Climbing*  
Student Presenters: Tiffany Ashley and Katie Moser  
Faculty Sponsor: Maurice Phipps

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## College of Fine and Performing Arts

### School of Music

**Time: 2:30 PM**      **Place: Coulter Recital Hall**  
*"Mozart, Anton Stadler, and the Clarinet"*  
Student Presenters: Ashley Danielle Jonas, Tabitha Stinson and Tripp Lewis  
Faculty Sponsor: Shannon Thompson

# Thursday, March 25, 2010

## English

**Time: 9:30 AM**      **Place: Coulter 304**

*\* Parallelism in Poe's "The Fall of the House of Usher": A Cross Media Examination of the Man and the Mansion*

Student Presenter: Cayli Meizel

Faculty Sponsor: Brian Railsback

**Time: 9:30 AM**      **Place: Coulter 304**

*\* Shattered Borders: Josefina Niggli De-Regionalized*

Student Presenter: Bobby Willover

Faculty Sponsor: Brent Kinser

## Health, Physical Education, and Recreation

**Time: 10:45 AM**      **Place: Reid 109**

*Indoor Soccer- An Alternative to Intrumurals*

Student Presenters: William Higbe and Will Mayse

Faculty Sponsor: Maurice Phipps

**Time: 11:15 AM**      **Place: Reid 109**

*Smokey Bear Fire Prevention*

Student Presenters: Jackelyn Hastings and Keith Wigham

Faculty Sponsor: Maurice Phipps

## Psychology

**Time: 2:05 PM**      **Place: Killian 338**

*Effects of Hunger on Mate Preferences in Males*

Student Presenter: Christopher J. Holden

Faculty Sponsor: Hal Herzog

**Time: 2:05 PM**      **Place: Killian 338**

*Effects of Hunger on Mate Preferences in Males*

Student Presenters: Jennifer Taylor and Christopher J. Holden

Faculty Sponsor: Hal Herzog

## Criminology & Criminal Justice

**Time: 4:00 PM**      **Place: Belk 412**

*Texts from Last Night: WltyG 29 u5 "sSa4m3813725 0.24 1 Tflis7Tc0mie VTD0.0ask Tc-0eht: Wiminology 0.0.05.0.0Jackelyn*

School of Health Sciences -  
Emergency Medical Care Program

**Time: 1:30 PM**      **Place: Moore 212**

**Undergraduate Academic Project Grants**  
**Awarded 2009-2010**



## School of Health Sciences, Athletic Training Program

*Acute Shoulder Injury in a Collegiate Football Player*  
Student Recipient: Amanda Taylor  
Faculty Sponsor: Jill Manners

*Thoracic Spine Pain in a High School Football Player*  
Student Recipient: Andrea Kaufman  
Faculty Sponsor: Jill Manners

*Insidious Elbow Pain in a College Female*  
Student Recipient: Brandy Jones  
Faculty Sponsor: Jill Manners

*Traumatic Knee Injury in a Collegiate Women's Soccer Player*  
Student Recipient: Bryan Fletcher  
Faculty Sponsor: Jill Manners

*Cervical Fracture in a High School Football Player*  
Student Recipient: Emily Whittington  
Faculty Sponsor: Jill Manners

## School of Health Sciences, Environmental Health Program

*Molecular Studies of the North American Wyeomyia*  
Student Recipient: Bill Wiseman  
Faculty Sponsor: Brian Byrd

*Container Inhabiting Aedes Mosquitoes on Western Carolina's Campus, Additional Morphological Characters to separate Damaged Adult Female Container Mosquitoes, and Molecular studies of the North American Wyeomyia*  
Student Recipient: James Alan Goggins  
Faculty Sponsor: Brian Byrd

*Additional Morphological Characters to separate Damaged Adult Female Container Mosquitoes, and Molecular studies of the North American Wyeomyia*  
Student Recipient: Mike Singleton  
Faculty Sponsor: Brian Byrd

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## Honors College International Travel Grants

These grants are possible due to a fund established by Honors College Advisory Board members E.J. Tarbox and Mark and Kathy Whitehead.

*Study Abroad Germany*  
Student Recipient: Tatjana Moffitt  
Faculty Sponsor: Brian Railsback

*Study Abroad Germany*  
Student Recipient: Taylor Mendelsohn  
Faculty Sponsor: Brian Railsback

*Study Abroad Ireland*  
Student Recipient: Bethel Bower  
Faculty Sponsor: Brian Railsback

*Study Abroad Ireland*  
Student Recipient: Elaine Tolbert  
Faculty Sponsor: Brian Railsback

*Study Abroad Japan*  
Student Recipient: Levi Mines  
Faculty Sponsor: Leonardo Bobadilla

*Study Abroad Korea*  
Student Recipient: Cati Branton  
Faculty Sponsor: Brian Railsback

*Study Abroad Korea*  
Student Recipient: Andrea Rawlinson  
Faculty Sponsor: Brian Railsback

*Study Abroad Korea*  
Student Recipient: Tristen Hamby  
Faculty Sponsor: Brian Railsback



## **The Honors College Medallion**

To commemorate the tenth anniversary of The Honors College, the student Board of Directors led the creation of a College medallion. The pen and ink rendering of Reynolds Hall was done by Asheville artist Lee Panthas and the medal's graphic design was completed by Loretta Adams.

The medallion is worn at Commencement by students who complete the Honors curriculum, the dean, and in rare cases by special friends of The Honors College. The medallion replaced the purple cord Honors graduates have worn at commencements since 1997.

# **The Honors College**

*Ad vitam paramus*

## **Western Carolina University**

**HC 101 Balsam Hall  
Cullowhee, NC 28723  
828-227-7383**

**Dr. Brian E. Railsback, Dean  
J. Steven Carlisle, Associate Dean  
Emily A. Sharpe, Director of Honors Advising  
and Pre-Professional Programs  
Bonnie J. Beam, Executive Assistant**