THE OFFICE OF UNDERGRADUATE RESEARCH PRESENTS

The First Annual Celebration of Undergraduate Research

April 28, 1:30-5:00 p.m.

PERFORMANCE AND PLATFORM SCHEDULE

Performance and Drama Session

Person Hall, 1:30-3:00pm Moderator: Prof. Allen Anderson, Music

TOPIC	FACULTY ADVISOR	MAJOR
Music for String Quartet and Tenor	Allen Anderson	Music
Improvisational Compositions: The Scott Routenberg Trio CD Project	Allen Anderson	Music
Into the Woods (with Kate Middleton	Jeffrey Cornell	Dramatic Art
Martinu Duo (with Ginger Neff)	Brent Wissick	Music
Rehearsing Beckett: "Waiting for Godot"	Julie Fishell	Dramatic Art
	Music for String Quartet and Tenor Improvisational Compositions: The Scott Routenberg Trio CD Project Into the Woods (with Kate Middleton Martinu Duo (with Ginger Neff)	Music for String Quartet and Tenor Allen Anderson Improvisational Compositions: Allen Anderson The Scott Routenberg Trio CD Project Into the Woods (with Kate Middleton Jeffrey Cornell Martinu Duo (with Ginger Neff) Brent Wissick

Platform Session I

Alumni Hall, Room 404, 1:30-3:00pm Moderator: Prof. Thomas Tweed, Religious Studies

STUDENT	TOPIC	FACULTY ADVISOR	MAJOR
John Knoch	NAFTA and the United States Hosiery Industry: Is NAFTA Knocking the Socks Off U.S. Producers or is it Low Wages?		Economics
Maria Fitzpatrick	The Economic and Socioeconomic Effects of Structural Adjustment Lending by the World Bank from 1980 to 1994	Patrick Conway	Economics
Heather Marinello	All the Difference: The Impact of England on Robert Frost's Poetry	William Harmon	English
Christine Mallinson	A Sociology Study of Assimilation: German Americans as an Ethnic Minority in Rowan County, NC, from the Late 1700s to the 1990s	John Reed	Sociology
Marc Sanders	The Word of God to the People of God: The Theology of Stephen Elliot	Laurie Maffly-Kipp	Religious Studies
Allison Marchant	An Assessment of the Influence of Folk Literature in the	Chris Putney	Slavic Languages

Howell. Hall, Room 203, 1:30-3:00 pm

Moderator: Prof. Laurie McNeil, Physics and Astronomy

STUDENT	TOPIC	FACULTY ADVISOR	MAJOR
Peter Everett Boyd	Development of a Lysozyme Activity Assay	Marshall Edgell	Biology
Brett Summey	Tissue Transglutaminase Localization and Activity Regulation in the Extracellular Matrix of Articular Cartilage	Walter Bollenbacher	Biology
Carolina Molina	Visualizing Individual Collagen and Fibronectin Fibrils in Cartilage with Light Microscopy	Greta Lee	Biology
Peter Bermel			Physics and Astronomy
Jennifer Stancil	3D Reconstruction and Quantitative Analysis of the Gerbil Ear Using Magnetic Resonance Microscopy	O.W. Henson, Jr.	Biology
Rachel Rosen	Application of Carbon Nanotubes as Electrodes in Gas Discharge Tubes	Otto Zhou	Physics and Astronomy

Platform Session III

The JCUE in Graham Memorial, Room 38 1:30 - 3:00 pm Moderator: Prof. Bernadette Gray-Little, Psychology

Stephen Lenhart An Actualist Theory of Worlds Jan Boxill Anne Schaap Melissa Jane McClure Anticoagulation by Heparin Cofactor II Andcoaguation by Freparin Conactor II Frank Content
Personalities and Perceptions Predisposing Young
Women to Eating Disorders

The Detection and Segmentation of Topics in Natural
Text: An Interdisciplinary Account of Psycholinguistic
Theories and Computational Algorithms
29 X 15: Student Perspectives on Multimedia
Documentaries

Todd Taylor Biology Studies Harry Halpin Computer Science Maneesha Agarwal English Documentaries
The Identification and Characterization of Two Novel Lian Li

Special Session

John Paul Vavalle

Alumni Hall, Room 404 3:10 - 3:20 pm Profs. Timothy Bralower and Kevin Stewart, Geological Sciences

Engaging Undergraduates in Research in the Earth Sciences

Platform Session IV

Alumni Hall, Room 203 3:30 - 5:00 pm Moderator: Prof. Douglas Crawford-Brown, Carolina Environmental Program

Syntaxin-Binding Proteins

STUDENT	TOPIC	FACULTY ADVISOR	MAJOR
Robert Ian McDonald	Increased Dominance by Acer rubrum and the Decline of the Quercus-Carya Climax in the N.C. Piedmont	Robert Peet	Biology
Aaron Levine	Gene Expression During Arabidopsis Disease Resistance	Jeff Dangl	Biology
Ryan Hill	Carbon and Nitrogen Isotopic Analysis of Compounds from the Hydroid Tridentata marginata	Christopher Martens	Chemistry
Julia Bryan	The In Vitro Effects of Estradiol and Parathyroid Hormone on IGF-1 Gene Expression in Osteoblastic Cells	Michael Thomas	Biology
Lindsay Whitfield	Going Beyong Transition Models: Explaining the Outcomes of Privatization in Russia's Post-Communist Economic Transformation	Barbara Hicks	Political Science
Sharran Yvette Nicole Burney	Modulation of Sickle Cell Adhesion to Laminin	Luclin Parice	Socialom

Platform Session V

The JCUE in Gruham Memorial Hall, Room 38 3:30 - 5:00 pm Moderator Prof. Rica L. Palm. Dean of the College of Agricanid S

STUDENT	TOPIC	FACULTY ADVISOR	MAJOR
Edith Dietz	Domestic Violence in Kenya: Local Perspectives and Global Insights	Robert Daniels	Anthropology
Joanna Jordan	Adapt or Leave: White Emigration as Apartheid Crumbles	Sandy Darity	Economics
Tamara Margaret Johnson	Exploring Ideal Econourism: Analyzing Experiences in Community-Based Conservation in Kenya and Belize	Altha Cravey	Geography
Ann Cooper	State Violence in Burkina Faso: Theory and History	Roberta Ann Dunbar	International Studie
Phillip Demske	International Conflict and Domestic Audience Costs	Mark Crescenzi	Political Science
Erica Lee	Border Life: Policy, Politics and People	Iulia Cardona-Mack	Public Policy

Platform Session VI

Alumni Hall, Room 404 3:30 - 5:00 pm Moderator: Prof. Timothy Bralower, Geological Sciences

STUDENT	TOPIC	FACULTY ADVISOR	MAJOR
Anne Newell	Territoriality and Site-dependent Dominance in the Northern Cardinal	R. Haven Wiley	Biology
Jeremiah Boles	The Choroid Plexus and the AIDS Dementia Complex	Rick Meeker	Biology
Amy Pattishall	Analysis of the Expression of IAA8 in Zinnia and Arabidopsis	Alan Jones	Biology
Derek Chiang	Roles of Pleckstrin Homology Domains in Dbl Proteins	Sharon Campbell	Chemistry
Thomas Michell	Effect of Training in Exercise Sandals on 2-D Exercise and Rearfoot Motion in Postural Sway in Abnormal Pronators	Chris Hirth	Sport Science
Steven Broglio	The Cumulative Effects of Soccer Heading Manifested in Postural Stability and Cognitive Function	Kevin Guskiewicz	Exercise and Sport Science

POSTER SCHEDULE

Poster Session I: 1:30-2:15 pm — Odd Numbered Posters Poster Session II: 3:30-4:15 pm — Even Numbered Posters

The Johnston Center for Undergraduate Excellence in Graham Memorial Room 39

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4 Katicki Megs Megs Megs Megs Megs Megs Megs Megs	tie Glaser	Application Towards the Analysis of Drinking Water at The University of North Carolina at Chapel Hill Colonization and Land Use in Ecuadorian Amazonia		Environmental Sciences & Engineering Environmental
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6 Alexa 7 Nico 8 Kurt 9 Rach 0 Jenni 1 John 2 Stepl 3 April	gan Roberts	A Dending Madde Forter III.		
7 Nico 8 Kurt 9 Rach 0 Jenni 1 John 2 Stepl 3 April		US Drinking Water	Philip Singer	Environmental - Sciences & Engineering
8 Kurt 9 Rach 0 Jenni 1 John 2 Stepl 3 April	xandra Rao	The Composition of Aircraft Startup Plumes in Cold Environments	David Leith	Environmental Sciences & Engineering
9 Rach 0 Jenni 1 John 2 Stepl 3 April	cole A. Feldl	Survey of gravity anomaly across low-density sediment filled basin near Lone Pine, California	Allen Glazner	Geology
1 John 2 Stepl 3 April	rt Frankel	Characteristic Fault Scarp Morphology of Late Quaternary (Holocene) Scarps Along the Central Death Valley Fault Zone, Death Valley, CA	Allen Glazner	Geology
1 John 2 Stepl 3 April	hel Via	tha	Tim Bralower	Geology
2 Stepl 3 April	nifer Bryson	Where, oh where, do the bristlecones grow? Geologic and and Topographic Controls on the Distribution of Bristlecone Pine Trees, White Mountains, California	Allen Glazner	Geology
3 April	n Templeton	Contact Relations of two thin Interpluton Screens in the Eastern Sierra Nevada, California	Allen Glazner	Geology
3 April	phanie Briggs	Structural Study of Sierra Nevada Range-bounding Faults	Allen Glazner	0.1
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4 Hanr	anah Fortune-Greeley	For the Future: Recent Latina Immigrants' Perceptions of English Language Education and Family Health	Deborah Bender	Administration Latin American
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2 Shau	hua Hatcher Martin		Stanbania Poudan	Psychology
3 Jenn		Choices Parental Socialization and Peer Factors of Academic	Stephanie Rowley	67
4 Laur	cie Craft	Choices	Donald Baucom	Psychology



Chemistry