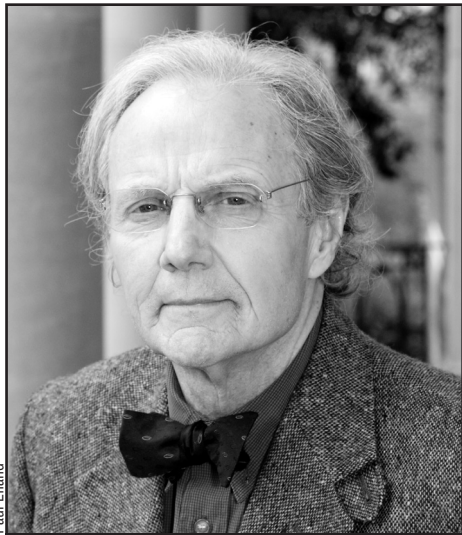


# Creative Research AWARDS

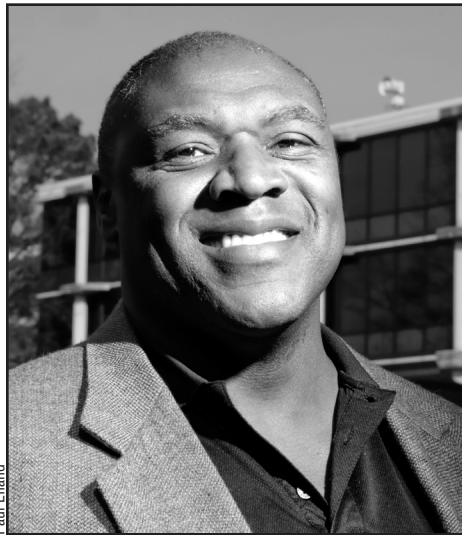
UGA faculty and graduate students were recognized for outstanding research and scholarship at the university's 31st annual Research Awards Banquet on March 18. The program is sponsored by the non-profit University of Georgia Research Foundation Inc. The Albert Christ-Janer Award is given for research in the humanities, the Lamar Dodd Award is given for research in the sciences and the William A. Owens Award is given for research in the social and behavioral sciences. Also, the first recipient of the Entrepreneur of the Year Award was announced. Complete information on all of this year's winners is available online at <http://creativeresearch.uga.edu>.



Paul Eiland

**James C. Cobb**

B. Phinizy Spalding Distinguished Professor in the History of the American South



Paul Eiland

**Gregory H. Robinson**

Franklin Professor of Chemistry



Robert Newcomb

**Andrea Hohmann**

Professor of Psychology and Neuroscience



Andrew Davis Tucker

**Ron Orlando**

Professor of Biochemistry and Molecular Biology, and Chemistry

## Albert Christ-Janer Award

James C. Cobb, B. Phinizy Spalding Distinguished Professor in the History of the American South, is widely recognized as one of the foremost scholars of Southern history and culture—and among the first to write broadly about the South in a global context. He has written more than 40 articles and 12 books, mostly about the impact of changing economic conditions on the South. Two of these, *Away Down South: A History of Southern Identity* and *The Most Southern Place on Earth*, his book about the Mississippi Delta, are considered classics in the field. The latter quickly became a model for studying other regional cultures and subcultures, such as those of Appalachia and New England.

Committed to reaching beyond the scholarly community, Cobb has written pieces for *The New York Times*, the *Los Angeles Times*, the *Wall Street Journal*, the *New Republic*, *The Times Literary Supplement* and the *Atlanta Journal-Constitution*.

Cobb's work has won him a string of awards and prizes, named lectureships, offices in professional associations, most notably the presidency of the Southern Historical Association—and a dedicated audience of both academics and lay history buffs who eagerly follow his work.

—Helen Fosgate

## Lamar Dodd Award

Gregory H. Robinson, Franklin Professor of Chemistry, is recognized worldwide as a leading scientist in the synthesis of unusual main group element chemical compounds. In 1995, he was the first to install a triple bond between two gallium atoms. More recently, his research group synthesized the first neutral compound containing a double bond between two boron atoms—the first diborene—by using stabilizing bases.

In 2008, his research team stunned the scientific community by discovering a new base-stabilized soluble allotrope of elemental silicon. In this compound, two silicon atoms, each in the highly reactive zero-oxidation state, are connected by a double bond. This achievement was hailed in top journals, including *Science*, the *Journal of the American Chemical Society*, *Nature* and *Chemical and Engineering News* as “a major advance in low-valent, low-coordinate main group chemistry” and one that “opens up new unprecedented possibilities in organometallic chemistry.” This technique of employing bases as stabilizing influences for otherwise fleeting molecules is widely considered a seminal discovery. The work of Robinson's group has provided both a stimulus for main group element chemical research and textbook examples for new science.

—Helen Fosgate

## William A. Owens Award

Andrea Hohmann, professor of psychology and neuroscience, is a worldwide authority on the role of the endocannabinoid system in pain physiology.

Her research strives to exploit the therapeutic potential of cannabinoids to suppress pain—while bypassing the psychoactive side effects associated with tetrahydrocannabinol, the active ingredient in marijuana.

Her group was the first to demonstrate that cannabinoids act at a neural level to suppress pain and the first to identify an enzyme, monoacylglycerol lipase, as an unrecognized target for the treatment of pain and stress-related disorders. This work has led to a better understanding of the mechanisms of pain, its control and to theoretical advances in the field.

Hohmann has several published patents from this work and has received more than \$4.4 million in extramural grants to support her research.

In 2007, Hohmann received the Young Investigator Award from the International Cannabinoid Research Society for her work. Through her research and professional affiliations, Hohmann has and continues to have an important impact on the fields of both pain pharmacology and the chemical control of neural function.

—Helen Fosgate

## Georgia Biobusiness Academic Entrepreneur of the Year Award

Ron Orlando, professor of biochemistry and molecular biology, and chemistry in the Complex Carbohydrate Research Center, founded BioInquire LLC, a bioinformatics software development company, along with cofounders Rick Tarleton, James Atwood and Brent Weatherly.

Established in 2007, BioInquire provides software solutions for cataloging, analyzing and mining the products of mass spectrometric analysis. The company provides tools for researchers who need to derive biological meaning from mass amounts of information generated from complex proteomic and glycomic research.

Orlando parlayed his expertise with grant programs to leverage \$1.4 million in grants, ultimately enabling the company to sell products without taking out loans or investing equity beyond the founder's original contributions. He set up initial meetings with consultants, formalized BioInquire's scientific advisory board and established early testers. Orlando also recognized when to let other, more experienced professionals take the lead. He also has been generous in sharing his time and experiences with other faculty who have entrepreneurial aspirations.

—Helen Fosgate

## MEDALS from page C

Johann Sebastian Bach's hand is lost. The set also includes two slideshow-style lectures entitled “Disagreement of Sources” and “Comparison of Copyists Accuracy,” that discuss decisions regarding bowings and notes. Stark-weather's lectures point out the many textual divergences that might otherwise escape notice.

## Distinguished Research Professors

The title of Distinguished Research Professor is awarded to faculty who are internationally recognized for their original contributions to knowledge and whose work promises to foster continued creativity in their discipline. This year's recipients are:

- **James T. Hollibaugh**, professor of marine sciences, highly regarded both for “doing research” and for “leading research,” is simultaneously shaping the field of microbial ecology as a synthesizer, coordinator and innovator. His research provides insights into how ecosystems work and also serves as the basis for understanding and predicting

the effects of climate change, manifested through shifts in temperature or precipitation, for example, on these systems. His work played a central role in developing the “microbial loop” concept, referring to a fundamental shift in ecology incorporating the realization that microbial cells—and not macroscopic organisms such as algae, fish and mammals—determine the fate of most of the carbon in the world oceans.

- **Daniel Nakano**, professor of mathematics, is a world leader in algebraic representation theory, which includes the study of Lie algebras, algebraic groups and quantum groups. This important branch of mathematics affects many other disciplines, such as chemistry and physics, as scientists strive to understand symmetry in nature. Nakano's research provides important fundamental advances, and he has a history of original results by creating new approaches or solutions, where others failed.

- **Laurence O'Toole**, the Margaret Hughes and Robert T. Golembiewski Professor of Public Administration, is a leading scholar in the study of public policy implementation—what happens between establishing formal

government plans and the result. His most significant contributions have been to address some of the foundational theoretical questions of the field, while also contributing in other fields of public policy and management.

- **Anna Resurreccion**, professor of food science, is recognized internationally for innovative research on the bioactive components in food, and consumer and sensory science. She developed original methods for measuring consumer preferences and the sensory qualities of food—including creative new ways to collect and use information to develop value-added food products that provide improved nutrition, safety and health benefits for consumers in the U.S. and developing countries. Her research on food quality and acceptance by consumers resulted in new product lines from food companies worldwide. She also invented a UGA-patented process that uses ultraviolet light and ultrasound technologies to enhance resveratrol and other functional compounds in peanut products as well as new analytical methods to measure phenolics in these products.

—Helen Fosgate