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2007-2008 ACS Division of Organic Chemistry Graduate Fellowhip Awards

The Division of Organic Chemistry annually awards fellowships to outstanding third and fourth year graduate students in organic chemistry. The program, now in its 27th year, has awarded over 300 fellowships. The complete list of Fellows is available on the Division of Organic Chemistry website at http://organicdivision.org/fellowships_previous.html.

The fellowship stipend this year is $24,000, and the Fellows will travel to the 2009 National Organic Symposium to present a poster on their work. Each of the fellowships is sponsored by a prominent company, organization, or individual endowment. Awardees are selected by an independent committee, and evidence of research accomplishments is an important factor in the selection process. The applicants for the fellowship submit a short original essay as part of the competition, and the essays of the award winners are available on the Division of Organic Chemistry website.

I want to take this opportunity to thank all the companies and individuals who have sponsored fellowships. If your company is not currently sponsoring a fellowship, please consider supporting this worthwhile program. I welcome contacts from companies, individuals, and organizations interested in sponsoring annual fellowships or wishing to endow a fellowship. There are always many more deserving applicants than there are fellowships! The Division of Organic Chemistry congratulates the following 15 award winners, gratefully acknowledges the sponsors, and thanks *Organic Letters* for the opportunity to publish these biographical sketches.

Brian Stoltz
Chair, Division of Organic Chemistry Graduate Fellowship Program
California Institute of Technology, November 6, 2007

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Vincent Lavallo

Sponsor: Pfizer

University of California, Riverside

Advisor: Guy Bertrand

Essay - Stable Cyclic Carbenes: Similarities and Differences. Vincent Lavallo graduated with a B.S. in Biochemistry from the University of California, Riverside. He spent the summer of 2003 at University of California, Berkeley working in the laboratory of Prof. T. Don Tilly performing research in the development of Pt and Ru catalysts for the hydroarylation of alkenes. He is currently a third year student in Prof. Guy Bertrand's laboratory at the University of California Riverside researching carbene chemistry.

Jaclyn M. Murphy

Sponsor: Organic Syntheses, Nelson J. Leonard Fellowship

University of Illinois

Advisor: John F. Hartwig

Essay - Recent Developments in Methodologies Utilizing Silylboranes. Jaclyn Murphy graduated with a B.S., summa cum laude, in Chemistry from the University of Massachusetts, Amherst. She is a fourth year student working in Prof. John Hartwig's Laboratory. Her research centers on methods for the conversion of arylboronic esters into synthetically useful compounds and the development of alkane borylation catalysts.

Benjamin Robert Taft

Sponsor: Boehringer Ingelheim

University of California, Santa Barbara

Advisor: Bruce H. Lipshutz

Essay - Enantioselective Construction of Spirocycles Containing All-Carbon Quaternary Centers. Benjamin Taft graduated with a B.S. in Chemistry from California State University, Chico. He is a fourth year student at the University of Santa Barbara under the tutelage of Prof. Bruce Lipshutz. His studies center on the development and application of new methods in transition-metal catalysis.

Aaron Edward Albers

Sponsor: Troyansky Fellowship

University of California, Berkeley

Advisor: Christopher Chang, Ph.D.

Essay - Fluorescent Probes for Imaging Intracellular Nitric Oxide. Aaron Edward Albers graduated with a B.S. in Chemistry and Biochemistry from the University of California, San Diego. He is a fourth year student working in Prof. Christopher Chang's laboratory at the University of California, Berkeley. His research centers on small molecule probes to study oxidation reactions in biology.

Jeremiah Johnson

Sponsor: Schering Plough

Columbia University

Advisor: Dr. Nicholas J. Turro

Essay - Copper-Catalyzed Azide−Alkyne Cycloaddition for the Functionalization of Dendrimers. Jeremiah Johnson graduated with a B.S. in Biomedical Engineering and Chemistry from Washington University in St. Louis. He is currently a fourth year student in Prof. Nicholas Turro's laboratory studying light, living polymerizations, and highly efficient reactions as tools for the synthesis and "universal" modification of materials.

Troy E. Reynolds

Sponsor: Bristol-Myers Squibb

Northwestern University

Advisor: Karl Scheidt

Essay - Transition Metal-Catalyzed Decarboxylative Coupling Reactions. Troy Reynolds graduated with a B.S. in Chemistry from the University of Dayton. He is a fourth year working in Prof. Karl Scheidt's Laboratory at Northwestern University studying stereoselective additions of silyloxyallenes.

Barbara Jane Morgan

Sponsor: Organic Syntheses

University of Pennsylvania

Advisor: Marisa C. Kozlowski

Essay - Rapid Access to Seven-Membered Rings: Transition-Metal-Catalyzed Intramolecular [5+2] Cycloadditions. Barbara Jane Morgan graduated with a B.A. in Chemistry, Highest Honors, from Kenyon College. She is a fourth year student working in Prof. Marisa Kozlowski's laboratory at the University of Pennsylvania. She is researching the perylenequinone natural products including the total synthesis of cercosporin.

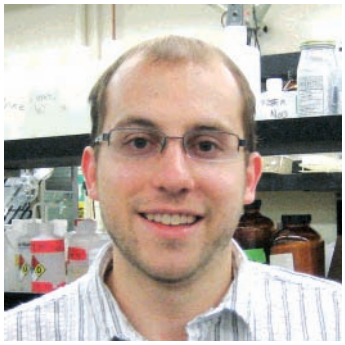
Clinton R. South

Sponsor: Novartis

Georgia Institute of Technology

Advisor: Marcus Weck

Essay - Mobility of Olefin Metathesis in Templated Synthesis. Clinton South graduated with a B.S. in Chemistry from the University of North Alabama. He is a fourth year student studying under the tutelage of Prof. Marcus Weck at the Georgia Institute of Technology. He is researching the synthesis and applications of supramolecular polymers.



Keith Michael Gligorich

Sponsor: Sanofi-Aventis

University of Utah

Advisor: Matthew S. Sigman

Essay - *cis*- or *trans*-Oxypalladation and Aminopalladation: Implications for Asymmetric Catalysis. Keith Michael Gligorich graduated with a B.S. in Chemistry with Highest Honors from Butler University, Indianapolis. He is a fourth year student in Prof. Matthew S. Sigman's Laboratory at the University Utah. He is studying palladium hydrides and catalytic olefin functionalization reactions.

Stephan J. Zuend

Sponsor: Roche

Harvard University

Advisor: Eric N. Jacobsen

Essay - Small Molecule-Catalyzed Stereoselective Functionalization of Nearly Unbiased Substrates. Stephan J. Zuend graduated with a B.A. in Chemistry from Cornell University. He is a fourth year student under the tutelage of Prof. Eric N. Jacobsen at Harvard University. He is investigating the mechanisms of catalytic asymmetric reactions.

Andrea Lindsay Nold

Sponsor: GlaxoSmithKline

The Scripps Research Institute

Advisor: K. C. Nicolaou

Essay - Dimeric Natural Products via Biomimetic-Type Couplings. Andrea Lindsay Nold graduated with a B.S. in Chemistry with Honors and a B.A. in Germanic Studies from Indiana University. She is a fourth year student working in Prof. K. C. Nicolaou's laboratory at The Scripps Research Institute. Her research centers on the synthesis of marinomycins A−C and their monomeric homologues.

Nicole S. White

Sponsor: Organic Reactions

University of California, Irvine

Advisor: Larry E. Overman

Essay - Cobalt-Catalyzed Cross-Coupling Reactions. Nicole White graduated with a B.S. in Chemistry from the University of California, San Diego. She is a fourth year student in the laboratory of Prof. Larry Overman at the University of California, Irvine. She is studying the catalytic asymmetric synthesis of allylic aryl ethers and the total synthesis of palau'amine.

Brian M. Andresen

Sponsor: Wyeth

Stanford University

Advisor: Justin Du Bois

Essay - Four- and Six-Electron Oxidations of Olefins: Mechanism, Analysis and Application. Brian Andresen graduated with a B.A. in Chemistry from the University of New Hampshire. He is a fourth year student in Prof. Justin Du Bois' Laboratory at Stanford University. His research is directed toward the design and synthesis of small molecule probes based on the saxitoxin architecture.

Kimberly S. Petersen

Sponsor: Genentech

Johns Hopkins University

Advisor: Gary Posner

Essay - Toward Synthesis of Icetexane (±)-Komaroviquinone. Kimberly Petersen received her B.S. degree in Chemistry with honors from the University of Wisconsin—Madison. She is currently a fourth year student in the laboratory of Prof. Gary Posner at Johns Hopkins University where she is developing and synthesizing highly antiproliferative low-calcemic analogues of vitamin D and antimalarial trioxane dimers.

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Kay A. Morris

Sponsor: Eli Lilly

Texas A&M University

Advisor: Daniel Romo

Essay - Recent Advances in Catalytic Enantioselective Radical Reactions for C−C Bond Formation. Kay Morris graduated with a B.S. in Chemistry from Cameron University. She is a fourth year student under the tutelage of Prof. Daniel Romo at Texas A&M Univeristy. She is studying the application of bicyclic tetrehydrofurans in the total synthesis of haterumalide NA and extension of bis-cyclization to bridged carbocycles.