

GLENROY DEAN ANTHONY MARTIN

Department of Chemistry, Biochemistry and Physics
The University of Tampa
401 W. Kennedy Boulevard, Box U
Tampa, FL 33606

Phone: 813-257-1805
Fax: 813-258-7496
Email: gdmartin@ut.edu
URL: [Dr. Martin's Website](#)

EDUCATION

2003 Ph.D. in Organic Chemistry. University of the West Indies (UWI), Mona.
1996 B.Sc. (Hons) in Special Chemistry. University of the West Indies, Mona.

PROFESSIONAL EXPERIENCE

2010-present Assistant Professor. Department of Chemistry, Biochemistry and Physics. The University of Tampa (UT).
2008-2010 Assistant Professor. Department of Chemistry, University of West Florida (UWF).
2006-2007 Visiting Lecturer. Department of Chemistry, UWF.
2005-2006 Postdoctoral Research Associate. Chemistry and Biochemistry Department. Florida Atlantic University (Dr. Russell Kerr, Principal Investigator).
2003-2005 Postdoctoral Research Scholar. Center for Marine Biotechnology and Biomedicine, Scripps Institution of Oceanography, UCSD (Dr. William Fenical, Director).
2002-2003 Visiting Lecturer. Chemistry Department. University of the West Indies, Mona.
2001 Visiting Researcher, John Innes Centre, Norwich Research Park, Norwich, UK (Dr. Marcus Durrant, Principal Investigator).

HONORS AND AWARDS

2012 Who's Who in America for meritorious achievement
2011 Who's Who in America for meritorious achievement
2010 Best of Chemistry (UWF Scholars of Engineering, Applied Sciences & Technology Annual Research Symposium)
2009 D. John Faulkner Award (American Society of Pharmacognosy) (\$1000)
2009 Excellence in Undergraduate Teaching & Advising (EUTA) award (\$2000)
2009 Nominated for the Annual Distinguished Teaching Award (DTA), University of West Florida Student Government Association
2009 Service to the 54th Annual West Panhandle Regional Science & Engineering Fair
2008 Outstanding service to the American Chemical Society (ACS) Project Seed program
2008 Outstanding service to the US National Chemistry Olympiad Competition
2002 Excellence in service (UWI Graduate Student Association)
2001 Outstanding performance in service (UWI Peer Advisor)
1999 Outstanding performance in service (UWI Chemical Society)

TEACHING / ADVISING / MENTORING**Courses taught at The University of Tampa (2010-present)**

- Organic Chemistry I (CHE 232): Fall 2010-13 (5 sections)
- Organic Chemistry I lab (CHE 233L): Fall 2010-13 (9 sections)
- Organic Chemistry II (CHE 234): Spring 2011-14 (4 sections)

- Organic Chemistry II lab (CHE 235L): Spring 2011-14 (7 sections)
- Advanced Organic Spectroscopy (CHE 445, honors): Spring 2011 (1 section)
- General Chemistry II (CHE 154): Spring 2013 (2 sections)
- General Chemistry I Lab (CHE 153L): Fall 2013 (1 section)
- Special Topics (BIO 495, honors): Fall 2011 (1 section)
- Special Studies (CHE 30T, honors): Fall 2011 (1 section)
- Special Studies (CHE 30T, Writing intensive): Fall 2011-12 (2 sections)
- Special Studies (CHE 30T): Fall 2010-13 (5 sections)
- Special Studies (CHE 20T): Fall 2010 (1 section)
- Introduction to Research (CHE 451): Fall 2011-13 (4 sections)
- Introduction to Forensic Research (CHE 460): Spring 2013 (1 section)

Courses taught at the University of West Florida (2006-2010)

- Organic Chemistry II (CHM 2211): Summer 2008-Fall 2009 (3 sections)
- Organic Chemistry II lab (CHM 2211L): Fall 2008-Spring 2010 (4 sections)
- Organic Chemistry I (CHM 2210): Summer 2007-Spring 2010 (4 sections)
- Organic Chemistry I lab (CHM 2210L): Fall 2006 (1 section)
- General Chemistry II (CHM 2046): Summer 2007-Fall 2007 (2 sections)
- General Chemistry II lab (CHM 2046L): Spring 2007-Spring 2008 (3 sections)
- General Chemistry I lab (CHM 2045L): Fall 2006-Spring 2007 (2 sections)
- Fundamentals of Organic and Biochemistry (CHM 2205): Spring 2007-09 (2 sections)
- Fundamentals of Organic and Biochemistry lab (CHM 2205L): Spring 2007 (1 section)
- Fundamentals of General Chemistry lab (CHM 1032L): Fall 2007 (1 section)
- Concepts in Chemistry lab (CHM 1020L): Fall 2006-2007 (2 sections)
- Directed Study (CHM 1905/3905/4905): Spring 2007-Fall 2009 (5 sections)
- Undergraduate Research (CHM 4912): Spring 2008-Fall 2009 (4 sections)

Graduate course taught at the Florida Atlantic University

- Synthesis and Characterization (CHM 6730): Spring 2006 (1 section)

Courses taught at the University of the West Indies, Mona

- Preliminary Chemistry A with lab (CHEM 0901): Fall 2002 (1 section)
- Preliminary Chemistry B with lab (CHEM 0902): Spring 2003 (1 section)

TRAINING AND MENTORING

Undergraduate Students/Summer Research Program Students

The University of Tampa (2010-present)

2013	Krystle Corallo, Emily Seda, Soleil Paterson, Amancia Alendy, Cecily Woods and Suyansh Sharma
2012	Soleil Paterson, Derek Harvey, Amancia Alendy and Marc Duverseau
2011	Faris Galambo (honors thesis), Robert Magno (honors thesis), Soleil Paterson, Matthew Noble, and Marc Duverseau
2010-2011	Kara Knight, Olamide Tolujo, and Derek Harvey

University of West Florida (2007-2010)

2009-2010	Anna Christensen, Scott Shaw (honors thesis), John Hahn, Robert Pelot, Erica Pounds, Billie Evans, and Billy Carter
2009	Alisa Harper, Vijaya Sampolli and Kenari Guest (Merck/AAAS summer research students)
2009	Austin Edwards (Rice University, summer research student)
2009	Samyr Elbadi (University of Florida, summer research student)
2008	Anne Marti
2008	Derek Lutchman (Summer research student)
2007-2008	Jennifer McPhee
2007	Jesica Williams
2007	Bettie Mercer (Merck/AAAS summer research student)

High School Student Researchers***The University of Tampa (2010-present)***

2013	Cameron Mckenzie and Monica Moore (ACS Project SEED Program)
2011-2012	Javier Narvaez (ACS Project SEED Program, Science Fair Project)
2011	Alejandra Gaviria (ACS Project SEED Program)

The University of West Florida (2008-2009)

2009	Gina Nguyen (Science Fair Project)
2008-2009	Tamara Ebert (ACS Project SEED Program)
2008	Helie Dharia (Science Fair Project)

UNDERGRADUATE ADVISING

- 10 UT undergraduate advisees (2010-present)
- 17 UWF undergraduate advisees (2008-2010)
- 16 UWF undergraduate advisees (2007-2008)

SERVICE**Department and College Service**

2011-2013	Member, Search Committee, Assistant Professor of Chemistry at UT (term)
2011	Coordinator, Advanced Placement (AP) Chemistry Day
2010-present	Assisted in the preventive maintenance of HPLC and GCMS instruments
2008-2010	Chair, UWF Biology and Chemistry Safety Committee (BSCS)
2010	Coordinator, UWF Department's Outcome Assessment
2009	Member, Staff Search Committee, Chemistry Technician, University of West Florida, College of Arts and Sciences
2008-2009	Member, Faculty Search Committee, Reference Librarian, University of West Florida, College of Arts and Sciences
2008	Member, Faculty Search Committee, Chemistry Faculty, University of West Florida, College of Arts and Sciences

Lab Coordinator at the University of West Florida (Secondary Responsibilities)

- Organic Chemistry I labs (oversaw 2-6 lab sections): Summer 2007-Spring 2010
- Organic Chemistry II labs (oversaw 2-3 lab sections): Summer 2008-Spring 2009
- General Chemistry I Chemistry labs (oversaw 5 lab sections): Spring 2008
- General Chemistry II Chemistry labs (oversaw 2-4 lab sections): Summer 2007-Spring 2008
- Fundamentals of Organic and Biochemistry lab (oversaw 1 lab section): Spring 2007, 2009
- Fundamentals of General Chemistry labs (oversaw 1-2 lab sections): Fall 2007, Spring 2008

University Service (number of times)

2013-present Chair, UT Institutional Research and Assessment Committee (IR&AC)
2012 Member, UT Institutional Research and Assessment Committee (IR&AC)
2012-present Member, UT Experiential Education Steering Committee (EESC)
2011 Member, UT Quality Enhancement Plan Committee (QEP)
2011-present Department's Representative, UT Open House (3)
2010-present Department's Representative, UT Science Day (3)
2010 Chair, UWF Faculty Excellence in Teaching or Advising Award Committee
2008-2010 Faculty Advisor, UWF Asian Student Association
2007-2010 Department's representative, UWF Open House (3)

Service to Profession

2013 Chair-elect, Tampa Bay Local Section of the ACS
2010-present Coordinator, ACS Project SEED Program
2008-present Mentor, ACS Project SEED Program
2007-present Regional Coordinator, ACS United States National Chemistry Olympiad (USNCO)

Scientific Journal Reviewer (number of reviews)

2012 *Marine Drugs* (1)
2009-present *Journal of Natural Products* (9)
2007 *Journal of Agricultural and Food Chemistry* (1)

Scientific Textbook Reviewer (number of reviews)

2012 Organic Chemistry (2e) by Klein (1)

Scientific Grant Reviewer (number of reviews)

2009 Louisiana Board of Regents (1)

Professional Affiliations

2009-present American Society of Pharmacognosy (ASP)
2009-present Elected to Sigma Xi
2000-present American Chemical Society (ACS)

Community Service (number of times)

2013 Speaker, 2013 Medical Science Academy at LECOM-Bradenton (1)
2012-2013 Coordinator and Speaker, UT High School Teacher's Workshop (2)

- 2012 Judge, 10th Raymond N. Castle Student Research Conference (1)
2012 Judge, 32nd Annual Hillsborough Regional S.T.E.M. Fair (1)
2011-2012 Speaker, Great American Teach-In (2)
2009-2010 Judge, 54th and 55th Annual West Panhandle Regional Science & Engineering Fair
2008-2010 Judge, Asian Student Union (ASU) local events (2)
2008-present Mentor, Science Fair Project (3)

GRANT SUPPORT

Intramural Support

1. University of West Florida Faculty Scholarly and Creative Activity Grant, 4/30/2008-11/30/2008, direct cost: \$2000, Isolation of Bioactive Natural Products from Marine Organisms, role: PI.
2. University of West Florida Sponsored Research, 3/7/2009-3/14/2009, direct cost: \$2000, Faculty Training Grant, role: PI.
3. University of West Florida Faculty Scholarly and Creative Activity Grant, 4/30/2009-11/30/2009, direct cost: \$2000, Isolation of Biologically Active Natural Products from Ocean Sediments, role: PI.
4. The University of Tampa Delo Grant (second round), 10/1/2010-5/31/2011, direct cost: \$3513, Fungal bioconversion of curcumin analogs, role: PI.
5. College of Natural and Health Sciences (CNHS) Teaching Excellence Award: \$2000, 2011.
6. The University of Tampa Learning Enrichment Grant, 2/24/2012-5/31/2013, direct cost: \$6000, Outcomes Assessment via LiveText for use in CHE 233L & CHE 235L, role: Co-PI.
7. College of Natural and Health Sciences Teaching Innovation Grant, 3/12/2012-5/31/2012, direct cost: \$700.
8. The University of Tampa Olympiad Scholarship, 8/27/2012-5/6/2014, direct cost: \$3000 (\$1500/year). Awarded to a UT freshman who participated in the 2012 US National Chemistry Olympiad program.
9. College of Natural and Health Sciences (CNHS) Teaching Excellence Award: \$2000, 2012.
10. The University of Tampa Delo Grant, 6/1/2012-5/31/2013, direct cost: \$5000, Isolation of Biologically Active Natural Products from Ocean Sediments, role: PI.
11. The University of Tampa Olympiad Scholarship, 8/26/2013-5/5/2015, direct cost: \$3000 (\$1500/year). Awarded to a UT freshman who participated in the 2013 US National Chemistry Olympiad program.
12. College of Natural and Health Sciences (CNHS) Teaching Excellence Award: \$1000, 2013.

Extramural Support

13. Merck/AAAS Undergraduate Science Research Program, 7/1/2009-6/30/2012, direct cost: \$60,000 (\$20,000/year), role: Co-PI.
14. American Society of Pharmacognosy, 7/1/2009-6/30/2011, direct cost: \$5000, Isolation of New Bioactive Compounds from Microbial Symbionts of Marine Invertebrates, role: PI.
15. National High Magnetic Field Laboratory External User Program, 9/8/2009-12/31/2009, direct cost: \$5000, Bioconversion of curcumin and its analogs by *Beauveria bassiana* and *Aspergillus niger*, role: PI.
16. American Society of Pharmacognosy, 6/27/2009-7/3/2009, direct cost: \$1000, D. John Faulkner Travel Award, role: PI.
17. American Chemical Society (ACS) Project SEED, Florida Department of Education and ACS Tampa Bay Local Section (challenge grant), 6/1/2011-8/31/2011, direct cost: \$6000. Awarded to two high school students for summer research at UT.
18. American Chemical Society (ACS) Project SEED, The University of Tampa (UT) and ACS Tampa

- Bay Local Section (challenge grant), 6/1/2012-8/31/2012, direct cost: \$3500. Awarded to a high school student for summer research at UT.
19. ACS Local Section Innovative Project Grant, 10/15/2012, direct cost: \$2500, Improving High School Student Performance in the Chemistry Olympiad.
 20. American Chemical Society (ACS) Project SEED, Florida Department of Education and ACS Tampa Bay Local Section (challenge grant), 6/15/2013-8/31/2013, direct cost: \$7916. Awarded to support two high school students for 2013 summer research at UT.
 21. National High Magnetic Field Laboratory External User Program, 12/9/2013-12/8/2014, direct cost: \$5000, Biotransformation of curcumin and its analogs by *Rhizopus oryzae* and *Beauveria bassiana*, role: PI.
 22. National High Magnetic Field Laboratory External User Program, 12/9/2013-12/8/2014, direct cost: \$5000, Biotransformation of formestane by *Rhizopus oryzae*, role: PI.
 23. American Chemical Society (ACS) Project SEED, Florida Department of Education and ACS Tampa Bay Local Section (challenge grant), 6/2/2014-8/15/2014, direct cost: \$4550. Awarded to support one high school student for 2014 summer research at UT.

PEER-REVIEWED PUBLICATIONS (*undergraduate co-authors underlined*)

1. Martin, Glenroy D. A., Reynolds, William F., Reese, Paul B. Investigation of the importance of the C-2 oxygen function in the transformation of stemodin analogues by *Rhizopus oryzae* ATCC 11145. Phytochemistry, 65, 701-710 (2004).
2. Martin, Glenroy D. A., Reynolds, William F., Reese, Paul B. Investigation of the importance of the C-2 and C-13 oxygen functions in the transformation of stemodin analogues by *Rhizopus oryzae* ATCC 11145. Phytochemistry, 65, 2211-2217 (2004).
3. Martin, Glenroy D. A., Reynolds, William F., Reese, Paul B. Rearrangement of the stemodane skeleton to novel analogues: chemistry and microbial transformation. Phytochemistry, 66, 901-909 (2005).
4. Martin, Glenroy D. A., Tan, Lik T., Jensen, Paul R., Dimayuga, Rosalba Encarnacion, Fairchild, Craig R., Raventos-Suarez, Carmen, Fenical, William. Marmycins A and B, Cytotoxic Pentacyclic C-Glycosides from a Marine Sediment-Derived Actinomycete Related to the Genus *Streptomyces*. Journal of Natural Products, 70, 1406-1409 (2007).
5. Martin, Glenroy D. A., Reese, Paul B., Durrant, Marcus C. A predictive cytochrome P450 monooxygenase functional model for generic hydroxylation by *Rhizopus oryzae* ATCC 11145. Journal of Theoretical and Computational Chemistry, 7, 421-433 (2008).
6. Martin, Glenroy D. A., Reynolds, William F., Reese, Paul B. Analysis of *Salvia coccinea* from Jamaica Populations. Natural Product Communications, 4, 789-790 (2009).
7. Martin, Glenroy D. A. Review: Biotransformation reactions by *Rhizopus* spp. Current Organic Chemistry, 14, 1-14 (2010).
8. Martin, Glenroy D. A., Narvaez, Javier, Marti, Anne M. Synthesis and bioconversions of formestane. Journal of Natural Products 76, 1966-1969 (2013).
9. Martin, Glenroy D. A., Christensen, Anna M. Identification and Bioactivity of Marine Microorganisms from Selected Florida Coastal Areas. Marine Biotechnology (submitted).
10. Martin, Glenroy D. A., Narvaez, Javier, Durrant, Marcus. Molecular Docking Studies of Formestane and its Derivatives. Molecules (In progress).

11. Martin, Glenroy D. A., Mckenzie, Cameron M., Moore, Monica, Williams, Jesica R., McPhee, Jennifer L., Mercer, Bettie L., Gaviria, Alejandra. Bioconversion of curcumin by *Beauveria bassiana* and *Aspergillus niger*. Journal of Natural Products (In progress).

BOOK CHAPTERS

12. Martin, Glenroy D. A. Emergence of Marine Natural Product Drugs. In Organic Chemistry; Klein, D., 2nd Ed.; Wiley, Hoboken, NJ, 2013.

INVITED TALKS AND CONTRIBUTIONS TO SCIENTIFIC MEETINGS (ABSTRACTS)

1. Glenroy D. A. Martin, "Effect of functional group of stemodane terpenes on the site of hydroxylation by *Rhizopus arrhizus* ATCC 11145." 219th American Chemical Society (ACS) National Meeting, San Francisco, CA (March 26-30, 2000, poster presentation).
2. Glenroy D. A. Martin, "Production of Biologically Active Natural Products via Fungal Transformation." 13th Caribbean Academy of Sciences Annual Meeting, Jamaica (June 2002, poster presentation).
3. Glenroy D. A. Martin, "Fungal Biotransformation Reactions." National Center for Natural Products Research, University of Mississippi, MS (April 2005, invited oral presentation).
4. Glenroy D. A. Martin, Jesica Williams, and Bettie Mercer, "Bioconversion of curcumin by *Beauveria bassiana* and *Aspergillus niger*." 234th American Chemical Society (ACS) National Meeting, Boston, MA (August 19-23, 2007, poster presentation).
5. Glenroy D. A. Martin, "New Cytotoxic Pentacyclic C-glycosides from a Marine Sediment-Derived Actinomycete (*Streptomyces* sp)." Organic Faculty of Florida (OFF) conference, Florida Institute of Technology, Melbourne, FL (March 1, 2008, oral presentation).
6. Glenroy D. A. Martin, Jesica R. Williams, Jennifer L. McPhee, Tamara Ebert and Bettie L. Mercer. "Biotransformation of Curcumin and its analog by *Beauveria bassiana* ATCC 7159." The 50th Anniversary Meeting of the American Society of Pharmacognosy, Honolulu, HI, (June 27-July 1, 2009, poster presentation).
7. Glenroy D. A. Martin, "Isolation and Characterization of Bioactive Natural Products and their Analogs." The University of Texas A&M, Corpus Christi, TX (March 26, 2010, oral presentation).
8. Glenroy D. A. Martin, "Isolation and Characterization of Bioactive Natural Products and their Analogs." The University of West Florida, Pensacola, FL (April 9, 2010, oral presentation).
9. Glenroy D. A. Martin, "Isolation and Characterization of Bioactive Natural Products and their Analogs." The University of Tampa, Tampa, FL (October 29, 2010, oral presentation).
10. Glenroy D. A. Martin, "Bioconversion of Formestane by *Beauveria Bassiana* ATCC 7159." 8th International Congress on Natural Products Research (ICNPR 2012), New York City, NY (July 28-August 1, 2012, poster presentation).
11. Glenroy D. A. Martin, "Improving High School Student Performance in the US National Chemistry Olympiad (USNCO)." High School Teacher's Workshop, The University of Tampa, FL (November 17, 2012, oral presentation).
12. Glenroy D. A. Martin, "Improving High School Student Performance in the US National Chemistry Olympiad (USNCO)." High School Teacher's Workshop, The University of Tampa, FL (March 23, 2013, oral presentation).
13. Glenroy D. A. Martin, "The Search for New Pharmaceuticals from the Deep." Honors Symposia Series, The University of Tampa, FL (March 25, 2013, oral presentation).

14. Glenroy D. A. Martin, "Transitioning from High School to College." Science Educators Academy, Lake Erie College of Osteopathic Medicine (LECOM), Bradenton, FL (June 20, 2013, oral presentation).

Presentations with undergraduate co-presenters [*Presenting author underlined*]

15. McPhee, Jennifer L.; Williams, Jessica R.; Mercer, Bettie L.; Martin, Glenroy D. A. Biocoverion of curcumin by *Beauveria bassiana* and *Aspergillus niger*. 5th Annual Scholars of Engineering, Applied Sciences and Research Symposium (SEASTARS), University of West Florida (April 14, 2008, poster presentation).
16. Marti, Anne M.; Martin, Glenroy D. A. Bioconversion of formestane by *Rhizopus oryzae* ATCC 11145. 6th Annual Scholars of Engineering, Applied Sciences and Research Symposium (SEASTARS), University of West Florida (April 16, 2009, poster presentation).
17. Shaw, Scott K.; Marti, Anne M.; Martin, Glenroy D. A. Synthesis and bioconversion of formestane and its analogs. 85th Annual Florida ACS meeting (FAME 2009), Orlando, FL (May 14-17, 2009, poster presentation) [Won 3rd place].
18. Shaw, Scott K.; Marti, Anne M.; Martin, Glenroy D. A. Synthesis and bioconversion of formestane. 7th Annual Scholars of Engineering, Applied Sciences and Research Symposium (SEASTARS), University of West Florida (April 15, 2010, poster presentation) [Best of Chemistry award].
19. Narvaez, Javier; Martin, Glenroy D. A. Bioconversion of Formestane by *Beauveria Bassiana* ATCC 7159. 32nd Annual Hillsborough Regional S.T.E.M. Fair (February 7, 2012, poster presentation).
20. Galambo, Faris; Magno, Robert; Martin, Glenroy D. A. "Marine Natural Products: The search for new medicines from the deep." Honors Undergraduate Research Fellows Symposium, The University of Tampa, FL (April 19, 2012, oral presentation).
21. Narvaez, Javier; Martin, Glenroy D. A. Bioconversion of Formestane by *Beauveria Bassiana* ATCC 7159. 10th Raymond N. Castle Student Research Conference (April 21, 2012, poster presentation).