JEFFREY D. WILLIAMS, Ph.D.

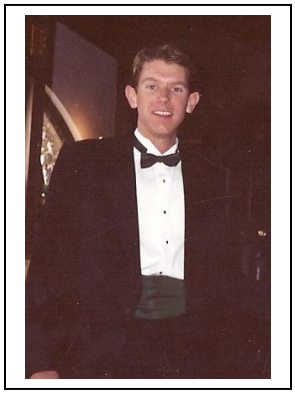
206 West Springs Dr. ~ Macon, GA 31220

Hm. (512) 535-0669 **je.williams@victoriacollege.edu**
Wk. (361) 485-6824 Cell (478) 394-0350

QUALIFICATIONS

Analytical, award-winning Research and Teaching Biology Professional with Ph.D. and documented dedication to the provision of high-quality education to students of all ages, including undergraduates/graduates. Has isolated 5 new compounds that show promise in cancer research. Extraordinary oral/written communication (including publications), laboratory, interpersonal and team-building skills. Extensive teaching experience. Trained in Proton/ Carbon NMR, LC/MS and HPLC Analysis. A dynamic self-starter, with a proven ability to analyze complex educational and research challenges, then able to generate viable solutions through inherent knowledge, experience and an ability to learn and adapt. Fluent in German.

EDUCATION



UNIVERSITY OF TEXAS AT AUSTIN, Austin, TX
Post-Doctorate Studies in Phytochemistry, 2007 - 2008

UNIVERSITY OF TEXAS AT AUSTIN, Austin, TX
Doctor of Philosophy (Ph.D.) 2006
Plant Biology with an Emphasis in Medicinal Chemistry
Dissertation: The Phytochemical Flavonoid and Phenolic Acid Analysis of the Genus *Silphium*.

Robert Noyce Scholarship, $10,000, 2006.
Nominee, Livingston Teaching Fellowship Department, 2006.
Harold Bolz Biology Teaching Award, 2005.
Undergraduate Lead University Co-Operative Society Fellowship, 2004.
Connexus Teaching Fellowship, 2004 and 2005.
AISD Future Teaching Fellowship, 2003 and 2004.
UTLC Teaching Fellowship, 2003.
Outstanding Teaching Award in the School of Biological Sciences, 2000.

LOUISIANA STATE UNIVERSITY MEDICAL CENTER, New Orleans, LA
Medical Student, 1997 - 2000

BRIGHAM YOUNG UNIVERSITY, Provo, UT
Bachelor of Arts in German Literature, 1995

UTAH VALLEY STATE UNIVERSITY, Provo, UT
Emergency Medical Technician Certification, 1994

PROFESSIONAL EXPERIENCE

Victoria College, Victoria, TX. Spring2013 - to present
Assistant Professor of Biological Sciences

MACON STATE COLLEGE, Macon, GA. Fall2008-Fall2012
Assistant Professor of Biological Sciences

- **Instructor of Anatomy and Physiology I and II – pre-nursing program.**
- **Upper division Cell Biology Biol 3104 with lab**
- **Online: Perspectives on the Human Body**
- Senior Seminar
- Summer Sec. Ed. Science Continuing Education Course Instructor
- HAPS regional conference committee

- Faculty Development Committee
- Academic Affairs Committee
- Pre-medical/Health Professions Advisory committee

Graduate Course Summary-Post Baccalaureate Coursework

LSU School of Medicine, New Orleans LA. 1997-1999

0100 Gross Anatomy	0100 Physiology
0101 Hum. Prenatal Dev.	0100 Cell Biology and Micro.
0100 Neurosciences	0100 Biochemistry
0200 Immunology	0200 Genetics and Pathology
0200 Pharmacology	0200 Psych. & Medicine

Univ. of Texas at Austin 2000-2006

382C PHR Chemistry of Natural Products
389U PHM Pharmacological Biochemistry
382U Phytomedicine
W391 NMR Spectroscopy
389K Adv. Plant Physiology

HAYS CISD, Kyle, TX Fall2007- Fall2008
Teacher

Used interpersonal skills to teach low-income and previously poorly motivated High School students in the subjects of anatomy, physiology and chemistry.

UTEACH GRADUATE STUDIES PROGRAM, University of Texas, Austin, TX 2001 - 2007
Graduate Student Instructor

- Developed and taught lessons in botany and chemistry to teachers and students at local high schools.
- Created teaching portfolio emphasizing unique techniques in project-based learning, classroom interaction and the philosophy of scientific thought.

ACADEMIC COMMUNITIES PROGRAM, University of Texas at Austin, Austin, TX 2005 - 2006
Graduate Tutor

- Provided evening academic support for students enrolled in introductory math and science courses through tutoring, technology and faculty interactions.

PLANT CHEMISTRY GRADUATE PROGRAM, University of Texas, Austin, TX 2000 - 2006
Teaching Assistant (Offered position as a Lecturer in the School of Biological Sciences upon completion of Ph.D., teaching introductory biology for both majors and non-majors)

- Conducted weekly discussion sections ranging from non-major undergraduate courses to graduate level, natural products' tutorials to maximize the learning opportunities for all students.
- Developed focused lesson plans for weekly dialogues, graded papers and tests, and led discussion and exam reviews.
- Provided supplementary lectures for other instructors during absences and/or emergency periods.
- Trained more than 100 under graduate students in research techniques, 15 per semester.

UNIVERSITY OF TEXAS LEARNING CENTER, Austin, TX 2004 - 2006
Supplemented Instruction Supervisor to the Director

- Assisted in the curriculum development and program planning for SI Teaching leaders.
- Designed interactive undergraduate lessons that encouraged small group learning.
- Discussed and collected TA and student feedback and implemented changes through weekly meetings.
- Received extensive training in active learning and teaching methods.
- Observed and critiqued in the classroom by other SI leaders on multiple occasions.

CONNEXUS PROGRAM, University of Texas at Austin, Austin, TX 2004 - 2005
Graduate Student Director

- Provided opportunities to form support and social gatherings for diverse groups of introductory Natural Science students and for students participating in the Longhorn Scholars Program.

LOUISIANA STATE UNIVERSITY MEDICAL CENTER, New Orleans, LA 1996 - 1997
Research Technician

- Performed research and surgical analysis of deficiencies in enzymatic newborn carnitine production.
- Assisted in developing dietary supplements for carnitine deficiencies.

BRIGHAM YOUNG UNIVERSITY, Provo, UT 1993 - 1995
Research Assistant – Section for Human Physiology

- Oversaw research involving production and distribution of testosterone in prenatal rat hypothalamus.
- Performed microscopic analysis of hundreds of slides marking regions of hormone concentration.

BMW CORPORATION, Munich, Germany 1992
Industrial Intern

- Experienced international work exchange, assisting with automatic and standard transmission assembly for 3 and 5 series BMW vehicles.

PUBLICATIONS

Williams, J. D., M. Wojcinska, L. Calabria, K. Linse, J. Clevinger, T. Mabry. The Flavonoids and Phenolic Acids of the Genus *Silphium* and Their Chemosystematic Value. Natural Product Communications, 4: 435-446 (2009).

Williams, J. D., M . Wojcinska, T. J. Mabry, J. Clevinger., The Molecular Flavonoid and Phenolic Analysis of the genus *Silphium*, The American Journal of Botany (in preparation).

Wojcinska, M., **J. D. Williams**, T. J. Mabry, A. A. Ahmed, B. D. Davis, G. Toth, N. H., El-Sayed, I. Matlawska, J. Clevinger. Flavonol triglycosides from the leaves of *Silphium albiflorum*. Phytochemistry, (2006).

El-Sayed, N. H., M. Wojcinska, K. Drost-Karbowska, I. Matlawska, **J. D. Williams**, T. J. Mabry. Kaempferol triosides from *Silphium perfoliatum*. Phytochemistry, 60: 835-838 (2002).

PROFESSIONAL AFFILLIATIONS

Human Anatomy and Physiology Society
The American Botanical Council
The American Biology Teacher
Boy Scouts of America, Scoutmaster, Regional District Advisor