

John K. Whitehead
Graduate Assistant
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Education

- MS, Mathematics, Texas A&M-Commerce, Commerce, TX, August 2016 (Anticipated)
- BS, Chemistry & Mathematics, Texas A&M University - Commerce, Commerce, TX, May 1999

Employment History

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| 2015 – 2016 | Texas A&M Commerce, Graduate Assistant <ul style="list-style-type: none">• College Algebra Instructor |
| 2014 – 2015 | Leonard High School, Chemistry & Physics Instructor |
| 2012- 2014 | Texas A&M Commerce, Graduate Assistant <ul style="list-style-type: none">• Assistant Director of Academic Testing• Exam Proctoring, Grading, Scheduling• Standardization of First Year Mathematics Courses• Research Assistant |
| 2007 – 2012 | Southeastern Louisiana University, Instructor <ul style="list-style-type: none">• Basic, General, and Organic Chemistry Courses• Faculty Search, Textbook, Course Curriculum Committees |
| 2001 – 2007 | Louisiana State University, Graduate Assistant <ul style="list-style-type: none">• Organic and Peptide Synthesis• NMR, IR, and UV-Vis Spectroscopy, HPLC, GC-MS, Mass Spectroscopy, Circular Dichroism• Organic & Analytical Laboratory Instructor |
| 1999-2001 | Texas A&M University-Commerce, Teaching Assistant <ul style="list-style-type: none">• Organic & General Chemistry Laboratory Instructor• Biochemistry Instrumentation Lab Manager |
| 1994-1999 | Bonham Independent School District, Instructor |

- Saturday School Teacher
- Part-time Substitute

Awards

- Colgate-Palmolive Teaching Award, 2006.
- Gordon Research Conference Travel Award, 2006.
- Coates Travel Award, 2005.
- American Peptide Society Travel Award, 2003 and 2005.
- Graduate Student Enhancement Award, 2001 – 2005.
- NSF-IGERT Fellowship, 2001 - 2004.
- Procter & Gamble Incoming Graduate Student Award, 2001.
- Robert A. Welch Chemistry Fellowship, 1999 - 2000.

Professional Presentations

- Whitehead, J., Li, S., et al., Synthesis and Evaluation of a Triple Helical Phosphinopeptide Inhibitor, Gordon Research Conference, Chemistry and Biology of Peptides, February 2006.
- Whitehead, J., Li, S., et al., Facile Synthesis of Fmoc Protected Alpha-Aminophosphinic Acids, 19th American Peptide Society Symposium, San Diego, CA, June 2005.
- Bowerman, D.J., Whitehead, J., Whaley, W.L., Separation of the Linear Gramicidins by High-Performance Liquid Chromatography, 57th Southwest Regional Meeting of the American Chemical Society, San Antonio, TX, October 2001.
- Whitehead, J., Kastropeli, N., Whaley, W.L., A Series of Biochemistry Laboratory Exercises Based on the Ionophore Gramicidin. Southeast Regional Meeting of the American Chemical Society, December 2000.

Selected Publications

- Lauer-Fields, J., et al., Triple-Helical Transition State Analogs: A New Class of Selective Matrix Metalloproteinase Inhibitors, *Journal of the American Chemical Society*; 2007; 129(34); 10408-10417.
- Li, S.*, Whitehead, J.*, et al., Application of *in situ* Silylation for Improved, Convenient Preparation of Fluorenylmethoxycarbonyl(Fmoc)-Protected Phosphinate Amino Acids, *Journal of Organic Chemistry* ; 2007; 72(8); 3116-3118.

- Whitehead, J., Li, S., et al., Synthesis of a Phosphino Triple Helical Collagen Mimic, Proceedings of the 19th American Peptide Society Symposium, San Diego, CA, June 18 - 23, 2005, 633 - 634.

Teaching

- College Algebra, Texas A&M University—Commerce, Fall 2015
- Chemistry and Physics, Leonard High School, Fall 2014-Spring 2015
- Basic Chemistry, Southeastern Louisiana University, Fall 2007-Spring 2012
- Organic Chemistry Laboratory, Southeastern Louisiana University, Fall 2007-Spring 2012
- Organic Chemistry Laboratory, Louisiana State University, Fall 2003 – Spring 2007
- Analytical Chemistry Laboratory, Louisiana State University, Fall 2001 - Spring 2002
- General Chemistry I & II Laboratory, Texas A&M University - Commerce, Fall 2000 - Spring 2001
- Organic Chemistry I & II Laboratory, Texas A&M University - Commerce, Fall 2000 - Spring 2001
- General Chemistry I Laboratory, Texas A&M University - Commerce, Fall 1999

Graduate Coursework

Louisiana State University

- CHEM 4562 – Advanced Organic Synthesis
- CHEM 4564 – Advanced Organic & Inorganic Synthetic Laboratory
- CHEM 4571 – Organometallic Chemistry
- CHEM 7760 – Retrosynthetic Analysis of Organic Compounds
- CHEM 4561 – Physical Organic Chemistry
- CHEM 4010 – Macromolecular Chemistry I
- CHEM 4011 – Macromolecular Chemistry II
- CHEM 7760 - Organic Synthesis of Biological Compounds
- BIOL 7284 - Protein Structure & Function

Texas A&M University Commerce

- BSC 514 – Biochemistry
- CHEM 513 – Organic Mechanism & Structure
- CHEM 531 – Theoretical Inorganic Chemistry
- CHEM 521 – Thermodynamics
- CHEM 597 – Organic Chemistry of Natural Products
- Math 534 – Introduction To Topology I
- Math 535 – Introduction To Topology II
- Math 560 – Euclidean and Non-Euclidean Geometry
- Math 537 – Theory Of Numbers
- Math 580 – History Of Mathematics
- Math 597 – Mathematical Technology
- Math 500 – Discrete Mathematics
- Math 536 - Cryptology