

**Lisa T. Alty**  
Washington and Lee University  
Tucker Hall 020  
Lexington, VA 24450  
[altyl@wlu.edu](mailto:altyl@wlu.edu)  
540-458-8927

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## EDUCATION

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**Virginia Commonwealth University**, Richmond, VA

Ph.D., Medicinal Chemistry, December 1987

Dissertation: Synthesis of Alpha Antagonists for use as Probes of Receptor Topography

**College of William and Mary**, Williamsburg, VA

B.S., Chemistry, May 1982

## PROFESSIONAL APPOINTMENTS

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**Washington and Lee University**, Lexington, VA

- John T. Herwick, M.D. Professor of Chemistry, 2018-present
- Professor of Chemistry, 2008-present
- Head, Department of Chemistry, 2006-2014, summer/fall 2018
- Coordinator, Health Professions Advisory Committee, 1995-present
- Associate Professor of Chemistry, 1993-2008
- Assistant Professor of Chemistry, 1987-1993

## TEACHING, *recent*

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- CHEM 241 Organic Chemistry I
- CHEM 241L Organic Chemistry I laboratory
- CHEM 242 Organic Chemistry II
- CHEM 242L Organic Chemistry II laboratory
- CHEM 399 Medicinal Chemistry of Blood Pressure Regulation

## PUBLICATIONS

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- Alty, L. T.; LaRiviere, F. J. "Peptide Mass Fingerprinting of Egg White Proteins" *J. Chem. Educ.*, **2016**, 93 (4), 772-777.
- Alty, L. T.; France, M. B.; Alty, I. G. Saber, C. A.; Smith, D. M. "Synthesis of 1,1-Diphenylethylene (DPE): The Marriage of a Grignard Reaction and a Column Chromatography Experiment" *J. Chem. Educ.*, **2016**, 93 (1), 206-209.
- Alty, Lisa T. "Analysis of Fatty Acid Methyl Esters in Egg Yolk", *J. Chem. Educ.* **2009**, 86(8), 962-965.
- Alty, L. T. "Monoterpene Unknowns Identified Using IR, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, DEPT, COSY and HETCOR" *J. Chem. Educ.* **2005**, 82, 1387-9.
- France, M.B.; Alty, L.T.; Earl, T.M. "Synthesis of a 7-oxanorbornene Monomer: A Two-Step Sequence Preparation for the Organic Laboratory" *J. Chem. Educ.*, **1999**, 76, 659-660.
- Alty, L. T. "Multitasking", *J. Chem. Educ.* **1993**, 70, 663-665.

## MAJOR GRANTS

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- National Science Foundation Major Research and Instrumentation Grant, “MRI: Acquisition of a Liquid Chromatograph Time of Flight Mass Spectrometer to Enhance Research at Washington and Lee University and Virginia Military Institute” \$282,226, Lisa Alty (PD/PI), with Uffelman and France, 7/2009.
- Treacle Foundation Grant in Support of Improvements to the Biochemistry Laboratory, \$2000.00, with LaRiviere, 8/2006.
- Treacle Foundation Grant in Support of Equipment to Build a New Biochemistry Laboratory, 2500.00, 8/2003.
- National Science Foundation Major Research Instrumentation Program, “Multinuclear Gradient Inverse Probe, Amplifier, and Overnight Low Temperature Dewar for High-Field NMR Spectroscopy in the Chemistry Department at Washington and Lee University”, \$70,830.00, with Uffelman, France, and Desjardins, 6/2003.
- National Science Foundation Instrument and Laboratory Improvement Program, “High-Field Multinuclear NMR in Undergraduate Education at Washington and Lee University”, \$99,500, with Uffelman and France, 1996.

## HONORS, AWARDS, PROFESSIONAL SOCIETIES

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- John T. Herwick, M.D. Professorship in Chemistry, 2018-present
- National Association of Advisors for the Health Professions, 1994-present
- Southeastern Association of Advisors for the Health Professions, 1994-present
- American Chemical Society, 1983-present; member, Chemical Education and Medicinal Chemistry Divisions
- Alpha Epsilon Delta, Premedical Honor Society, 1994
- Mednick Foundation Fellowship, 1989
- Sigma Xi, 1987
- Rho Chi, Pharmacy Honor Society, 1986
- H. Robins Graduate Fellow in Medicinal Chemistry, 1984-85
- A. D. Williams Predoctoral Fellow in Medicinal Chemistry, 1982-83

## SERVICE

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### *University Service, current and recent*

- Coordinator, Health Professions Advisory Committee, 1995-present
- Head, Department of Chemistry, 2006-2014, July-Dec 2018
- Registration and Class Schedules Committee, 2013-2019
- Student Financial Aid Committee, 2015-2020

### *External Professional Service*

- Member, **MR5 Committee of the Association of American Medical Colleges (AAMC)**, 2008-2011. This committee conducted the fifth comprehensive review of the Medical College Admission Test (MCAT®). An advisory panel of 21 medical education, student, and undergraduate representatives from the United States and Canada conducted the review.
- **National Association of Advisors for the Health Professions**
  - Member, Board of Directors, 2006-2010
  - Member, Program Committee, 2004 National Meeting
  - Staff Benefits Task Force, 2007

- **Southeastern Association of Advisors for the Health Professions**
  - President, 2006-09
  - President-Elect, 2005-06
  - Past President, 2009-2011, and head of Nominations Committee
  - Member, Board of Directors, 2000-03, 2005-2011
  - Chair, Program Committee for 2007 SAAHP Meeting
  - Member, Program Committee for 2005 and 2009 SAAHP Meetings
  
- **Virginia Academy of Sciences**
  - Secretary, 1992-1993
    - Councilor, Medical Sciences Section - 1990-1992
    - Secretary, Medical Sciences Section - 1992-1995