

# LOIS ABLIN

## Curriculum Vitae 2014

Oral Roberts University  
Department of Biology and Chemistry  
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### EDUCATION

Ph.D., Organic Chemistry, University of Nebraska, 1970  
B.A., Augustana College, South Dakota, 1961  
Additional classes: Northern Arizona University, 1986-1988

### EXPERIENCE

Associate Professor of Chemistry, Oral Roberts University, 2008-present  
Assistant Professor, Oral Roberts University, Tulsa, Oklahoma, 2001-2007  
Adjunct Assistant Professor, Oral Roberts University, Tulsa, Oklahoma, 2000-2001  
Adjunct Instructor, Tulsa Community College, Tulsa, Oklahoma, January, 1999-2000  
Teaching Assistant, Tulsa Community College, August, 1998-December, 1998  
Consulting and research, 1987-1994  
Adjunct Assistant Professor, University of Nebraska, 1970-1971, 1973-1974  
Research Associate, University of Nebraska, 1966-1970  
Substitute Teacher, various public schools, various years, 1974-1991  
Director, Words of Faith Bible College, Flagstaff, Arizona, 1983-1985  
Associate Director, Words of Faith Bible College, Flagstaff, Arizona, 1982-1983

### INSTRUCTIONAL EXPERIENCE

Organic Chemistry 211 and 212 Lecture and Laboratory, Fall 2000-present  
Chemistry 499 Individual Research and Senior Paper, 2001-present  
Chemistry 449 Research, 2005-present  
Pre-Health Professions Seminar 100 (co-teach), Spring 2010-present  
Organic Chemistry 473 Synthesis and Medicinal Chemistry, Spring 2001, Fall 2003, 2004  
Principles of Chemistry 101 Laboratory, various

### RESEARCH ACTIVITIES

Biginelli Reaction  
Green Chemistry Principles in Organic Chemistry  
Development of Organic Chemistry Experiments Using Microwave Technology

## GRANTS RECEIVED

Gelvin Foundation, 2012

Rotary Club, Tulsa, 2011

Gelvin Foundation, 2009

Rotary Club, Tulsa, 2008

National Association of Advisors of Health Professions Travel Grant, 2008

## PUBLICATIONS

Ablin L. (2013). Engaging Students with the Real World in a Green Chemistry Organic Laboratory Group Project: A Green Writing Assignment in a Laboratory Class, Submitted to *J. Chem. Educ.* (under revision)

Ablin, L. (2008). "Student Perceptions of Benefits of a Learner-based Writing Experience in Organic Chemistry," *J. Chem. Educ.*, 85. 237.

Beyer, J., & Ablin, L. (2014) "Effects of Ethyl 4-(3-fluorophenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate on the Proliferation Rates of HT29 Colon Cancer Cells, 59th Oklahoma Pentasectional Meeting of the American Chemical Society, Stillwater, Oklahoma

Velasquez, C., & Ablin, L. (2013) *Development of a Microscale Procedure for the Synthesis of Isopentyl Acetate Using a Microwave Reactor*. 58th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa, Oklahoma.

Sickler, R., & Ablin, L. (2013). *Optimization of Green Microscale Biginelli Reactions for the Sonicator and Microwave Reactor*. 58th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa, Oklahoma, 2013

Clark, S., Ablin, L. "Isolation of Eugenol from Spices Using Microwave Technology," 58<sup>th</sup> Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa, Oklahoma.

Ablin, L., & Ritzhaupt, G. (2012). *Engaging Elementary School Students in Science Through Service Learning*. 57th Oklahoma Pentasectional Meeting of the American Chemical Society, Lawton, Oklahoma.

Jacob, J., & Ablin, L. (2011). *Synthesis and Characterization of Wittig Products: A Comparison of Synthetic Routes*. 56<sup>th</sup> Oklahoma Pentasectional Meeting of the American Chemical Society, Bartlesville, Oklahoma.

Sprouse, D., & Ablin, L. (2010). *The Synthesis of Resveratrol*. 55th Oklahoma Pentasectional Meeting of the American Chemical Society, Norman, Oklahoma.

Chau, B., Ritzhaupt, G., Ablin, L., & Collier, W. (2009). *Development of an Organic Chemistry Laboratory Experiment on Ethanol Production*. 54th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa, Oklahoma.

- Ablin, L., Ford, M., Dionne, J., & Natale, E. (2008). *Greening the Organic Chemistry Laboratory Through the Biginelli Reaction*. National Green Chemistry and Engineering Conference, Washington, DC.
- Ablin, L. (2007). *Implementation of Green Chemistry Principles in An Organic Chemistry Writing Assignment*. National Green Chemistry and Engineering Conference, Washington, DC.
- Ablin, L. (2006). *An Organic Chemistry Writing Experience*. Southwest Regional American Chemical Society Meeting, Houston, Texas.
- Ford, M., & Ablin, L. (2005). *The Biginelli Reaction in Antibiotic Research*. 50th Oklahoma Pentasectional Meeting of the American Chemical Society, Stillwater, Oklahoma.

## **PRESENTATIONS**

- Ablin, L. (2014, October). *Facilitating the Incorporation of Green Chemistry Principles in the Organic Chemistry Laboratory*. 103<sup>rd</sup> Annual Technical Meeting of the Oklahoma Academy of Science, Broken Arrow, Oklahoma.
- Ablin, L., (2008, March). *Steps Toward Greening an Undergraduate Organic Laboratory*. 53rd Oklahoma Pentasectional Meeting of the American Chemical Society, Duncan, Oklahoma.
- Ablin, L., (2007, November). *Green Chemistry Principles*. Tulsa section of American Chemical Society, Third Annual Evening of Chemistry, Tulsa, Oklahoma.
- Ablin, L., (2005). *The Biginelli Reaction*. Tulsa section of American Chemical Society, Evening of Chemistry, Tulsa, Oklahoma.

Presentations at Faculty Showcase, Oral Roberts University 2002, 2003

## **PROFESSIONAL ACTIVITIES**

### **Professional Organizations**

American Chemical Society  
    Alternate Counselor, Tulsa Local Section, 2014-  
    Director, Tulsa Local Section, 2008-2010  
    Treasurer, Tulsa Local Section, 2005-February, 2008

Sigma Xi  
Kappa Delta Pi  
Iota Sigma Pi, National Honor Society for Women in Chemistry  
    Faculty advisor, 2005-present

## **Professional Conferences**

103<sup>rd</sup> Annual technical Meeting of Oklahoma Academy of Science, November, 2014,  
Broken Arrow, Oklahoma

National Association of Advisors for the Health Professions National Meeting, San  
Francisco, CA, June, 2014

59<sup>th</sup> Oklahoma Pentasectional Meeting of the American Chemical Society, Stillwater,  
Oklahoma, 2014

58th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa,  
Oklahoma, 2013

National Association of Advisors for the Health Professions National Meeting,  
Baltimore, MD, June, 2012

IEEE Green Technologies Conference, Tulsa, Oklahoma, April, 2012  
Committee member, reviewed professional papers

57th Oklahoma Pentasectional Meeting of the American Chemical Society, Lawton,  
Oklahoma, March, 2012

National Green Chemistry and Engineering Conference, Washington, D.C., June, 2011

55th Oklahoma Pentasectional Meeting Section of the American Chemical Society,  
Bartlesville, Oklahoma, April, 2011

Oklahoma Society of Physiologists Conference, Tulsa, Oklahoma, 2011

Biennial Conference on Chemical Education, Denton, TX, August, 2010

National Green Chemistry and Engineering Conference, Washington, D.C., June, 2010

National Association of Advisors for the Health Professions National Meeting, Atlanta,  
GA, June, 2010

54th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa,  
Oklahoma, April, 2010

53rd Oklahoma Pentasectional Meeting of the American Chemical Society, Bartlesville,  
Oklahoma, April, 2011

Delegate to Triennial National Meeting of Iota Sigma Pi National Honor Society for  
Women in Chemistry, Cincinnati, Ohio, June, 2008

Member of Chapter Program Development Committee

Member of Extension and Publicity Committee

National Green Chemistry and Engineering Conference, Washington, DC, June, 2008

Biofuels Conference, Oklahoma City, October 16, 2007

Workshop on Communication of Green Chemistry at National Green Chemistry  
Conference, Washington, DC, June, 2007

Southwest Regional American Chemical Society meeting, Houston, TX, November, 2006

National Green Chemistry and Engineering Conference, Washington, DC, June, 2006

National Green Chemistry and Engineering Conference, Washington, DC, June, 2004

51st Oklahoma Pentasectional Meeting of the American Chemical Society, Bartlesville,  
Oklahoma, April, 2006

50th Oklahoma Pentasectional Meeting of the American Chemical Society, Stillwater,  
Oklahoma, April, 2005

46th Oklahoma Pentasectional Meeting of the American Chemical Society, Bartlesville,  
Oklahoma. March, 2001

44th Oklahoma Pentasectional Meeting of the American Chemical Society, Tulsa,  
Oklahoma, October, 1999

## **HONORS AND AWARDS**

Outstanding Faculty Service Award, Department of Biology and Chemistry, 2015

Outstanding Faculty Service Award, College of Science and Engineering, 2014

Outstanding Faculty Service Award, Department of Biology and Chemistry, 2014

Outstanding Faculty Service Award, Department of Biology and Chemistry, 2013

Outstanding Faculty Member in College of Science and Engineering, 2010

Outstanding Faculty Member in Chemistry Department, 2008

Outstanding Faculty Member in Chemistry Department, 2007

Who's Who Among American Teachers and Educators, 2006-2007

Outstanding Faculty Member in Chemistry Department, 2003

Nominated for Scholar of the Year, 2005

Who's Who Among American Teachers and Educators, 2003

Honorable Mention, Chair's Award for Mentoring in the Classroom, Oral Roberts  
University, 2002

Writing Across the Disciplines, Second place, Oral Roberts University, 2004  
Sigma Xi

Nominated for Who's Who Among American Teachers and Educators, 2002

Outstanding Young Women of America (1970)

B.A., Summa Cum Laude  
National Institute of Health Fellow, 3 years

### **COMMUNITY/UNIVERSITY SERVICE**

Coordinator of Service Learning project for chemistry students at Marshall, McClure, and  
Celia Clinton Elementary Schools, 2003-present  
Pre-Health Professions Advisor, 2009-present  
Judge for various local and regional science fairs, 2003-present  
Safety Committee, ORU, 2003-present  
Green Committee, ORU, 2012-present  
Recruitment Committee, COSE, ORU  
Participant in Tulsa Section of the American Chemical Society Science Lab Chemical  
Inventory/Chemical Safety Program  
Advisor to Iota Sigma Pi National Society for Women in Chemistry, 2005-present  
Student/Faculty Relations Committee Member, ORU, 2010-present  
Regional Science and Engineering Fair judge, Physical Sciences, Tulsa, Oklahoma, 2007  
ORUEF National Competition Science Fair judge, 2007, 2006  
Volunteer and Assistant Supervisor, Rhema Bible Church Bookstore, 1998-October,  
2007