

## LeRoy Jones II, Ph.D.

Chicago State University  
9501 S. King Drive – HWH 330  
Chicago, IL 60628

Phone: 773-995-2438  
Fax: 773-995-3767  
ljones27@csu.edu

### Education/Training

1991 B.S., Chemistry, Bradley University  
1996 Ph.D., Organic Chemistry, University of South Carolina  
1996 – 1998 Postdoctoral Scholar, Organometallic Chemistry, California Institute of Technology

### Positions

1998 – 2000 Research Scientist, BP Amoco Chemicals, Naperville, IL  
2001 – Present Professor, Department of Chemistry, Physics & Engineering Studies, Chicago State University (CSU)  
2011 – 2012 Interim Associate Dean, College of Arts & Sciences (CAS), CSU  
2012 – 2017 Director for STEM Initiatives, CAS, CSU  
2014 – Present Dean, CAS, CSU  
2017 – 2019 Program Officer (IPA), Directorate for Education & Human Resources, NSF, Alexandria, VA

### Honors & Professional Memberships

1991 – Present Member, American Chemical Society  
1996 Honorable Discharge, United States Army Reserve (8 service years)  
2003 – 2007 Member, Society for Biomaterials  
2006 Faculty Excellence Award, CSU  
2010 Outstanding CSU Faculty Member, CSU  
2010 – 2011 ACE Fellow, American Council on Education Fellows Program  
2018 Research Excellence Award, CSU

### Selected Peer-Reviewed Publications (29 total)

1. Bumm, L. A.; Arnold, J. J.; Cygan, M. T.; Dunbar, T. D.; Burgin, T. P.; **Jones, L., II**; Allara, D. L.; Tour, J. M.; Weiss, P. S. "Are Single Molecular Wires Conducting?" *Science*, **1996**, *271*(5256), 1705-7.
2. **Jones, L., II**; Schumm, J. S.; Tour, J. M. "Rapid Solution and Solid-Phase Syntheses of Oligo(1,4-phenylene-ethynylene)s with Thioester Termini: Molecular Scale Wires with Alligator Clips. Derivation of Iterative Reaction Efficiencies on a Polymer Support." *J. Org. Chem.*, **1997**, *62*(5), 1388-1410.
3. Chang, S.; **Jones, L., II**; Wang, C.; Henling, L. M.; Grubbs, R. H. "Synthesis and Characterization of Ruthenium Based New Olefin Metathesis Catalysts Coordinated by Bidentate Schiff Base Ligands." *Organometallics*, **1998**, *17*(16), 3460-65.

4. Biggs, P.; **Jones, L., II**; Lewis, G. “An Autonomically-Healed PMMA Bone Cement: Influence of the Crystal Size of Grubbs’ Catalyst on Fracture Toughness and Polymerisation Rate.” *Int. J. Nano and Biomaterials*, **2009**, 2(6), 494-05.
5. Lewis, G.; Wellborn, B.; **Jones, L., II**, Biggs, P. “A Room-Temperature Autonomically-Healing PMMA Bone Cement: Influence of Composition on Fatigue Crack Propagation Rate.” *Journal of Applied Biomaterials and Biomechanics*, **2009**, 7, 90-96.

#### **Synergistic Activities**

- Project Director and Co-PI, National Science Foundation (NSF) Illinois Louis Stokes Alliance for Minority Participation, 2000 – 2017
- Project Director and PI, NSF Urban STEM Talent Expansion Program, 2009 – 2015
- Museum of Science & Industry Black Creativity Advisory Committee, 2011 – Present
- Executive Director and PI, Department of Education Center for STEM Education & Research at Chicago State University, 2012 – 2017
- Project Director and Co-PI, NSF Pilot Louis Stokes Midwest Center of Excellence, 2012 – 2017
- Second Illinois Congressional District STEM Council Member, 2013 – 2017
- NSF Program Officer (IPA), Directorate for Education & Human Resources, Division of Human Resource Development, 2017 – 2019
- Directly contributed to the acquisition of over \$27 MM for training, equipment and research grants from the NSF, U.S. Department of Education, Department of Energy, Department of Defense, the National Aeronautics and Space Administration, the U.S. Navy and Thornton Township District 205 (Harvey, IL)

#### **Collaborators & Co-Editors**

- Dr. Gladius Lewis, University of Memphis, Memphis, TN – research and conference proceedings collaborator
- Dr. Cynthia McIntyre, Rensselaer Polytechnic Institute, Troy, NY – conference collaborator

#### **Graduate Advisors and Postdoctoral Sponsors**

- Dr. James M. Tour, Rice University, Houston, TX – graduate advisor
- Dr. Robert H. Grubbs, California Institute of Technology, Pasadena, CA – postdoctoral sponsor

#### **Postbaccalaureate Scholar Sponsor**

- Dr. Pablo E. Guzman, U. S. Army Research Laboratory, Aberdeen Proving Ground, MD
- Dr. Tyvette Hilliard, University of Notre Dame, Notre Dame, IN