

Daniel C. Leslie

EDUCATION

University of Virginia, Charlottesville, VA Ph.D. candidate in Bioanalytical Chemistry	2005-present
Colorado State University, Fort Collins, CO B.S., <i>cum laude</i> , Major in Chemistry, A.C.S. certified	2003-2005
Front Range Community College, Fort Collins, CO	2002-2003
University of West Georgia, Advanced Academy, Carrollton, GA	1999-2000

ACADEMIC AWARDS

Biotechnology Training Program, University of Virginia	2006-present
Pratt Fellowship, University of Virginia	2006
Chemistry Departmental Fellowship, University of Virginia	2005-2009
Dr. Harry Puleston Memorial Scholarship, Colorado State University	2004-2005
College of Natural Sciences Undergraduate Scholarship, Colorado State University	2004-2005
Presidential Scholarship, University of West Georgia	1999-2000

RESEARCH EXPERIENCE

Doctoral Research <i>University of Virginia</i> with Professor James P. Landers Glass and polymer microdevice design, fabrication, and characterization, evaluation of microfluidic components as electrical analogs, fluorescence imaging and video analysis of flow behavior, separation and LIF detection of PCR products on an integrated microdevice.	August 2005-present
Undergraduate Chemistry Research <i>Colorado State University</i> with Associate Professor Charles S. Henry Polymer microdevice fabrication and development, electrochemical detection of carbohydrates, synthesis of molecules for a novel capillary electrophoresis immunoassay technique.	August 2004-August 2005

WORK EXPERIENCE

Advanced MicroLabs LLC Fort Collins, CO Supervisor Dale Willard, Ph.D. Research assistant working on grant funded by the NSF to develop a microdevice assay for diabetes biomarkers. Responsibilities included microchip electrochemical detection of carbohydrates, polymer microdevice fabrication and development, and photolithography techniques.	November 2004-April 2005
Amerimax Building Products, Inc. Loveland, CO Supervisor Mark Tiedeman Machine operator working on a production line to assemble custom vinyl windows. Responsibilities included assembly, processing, and quality control.	March 2001-May 2004

TEACHING EXPERIENCE

Teaching Assistant , <i>University of Virginia</i> Undergraduate Honors General Chemistry Lab	September 2005-December 2005
Teaching Assistant , <i>University of Virginia</i> Undergraduate Biochemistry Lab	January 2005-May 2006

PRESENTATIONS

- Directional and Frequency-Dependent Flow Control in Microfluidic Circuits Using Passive Elastomeric Components.* **D.C. Leslie**, C.J. Easley, J.M. Karlinsey, M.R. Begley and J.P. Landers. Oral presentation at the 10th International Conference on Miniaturized Systems for Chemistry and Life Sciences (μ TAS), 2006, Tokyo, Japan.
- Separation-Based Microarrays.* **D.C. Leslie**, L.M. Ramsey, M.M. Caulum, and C.S. Henry. Poster presentation at the Celebrate Undergraduate Research and Creativity Showcase, 2005.

PATENTS

Passive Components for Micro-fluidic Flow Profile Shaping and Related Method Thereof. C.J. Easley, J.M. Karlinsey, **D.C. Leslie**, M.R. Begley, and J.P. Landers. United States Patent Application, August 2006.