

Lauren T. Dobbin

Home Address
43210 Hayshed Lane
Dale City, VA 22193
(703) 987-6543

School Address
PO Box 12345, Chemistry
Washington, DC 20057
(202) 123-4567

Email: lauretdobbin@georgetown.edu

Social Security Number: XXX-XX-XXXX
Citizenship: United States
Federal Civilian Status: Not applicable
Veteran's Preference: Not applicable

OBJECTIVE: Postdoctoral or permanent position within the field of forensic chemistry.

PROFILE:

Ph.D. candidate expected to graduate in August/September 20xx. Extensive synthetic and analytical research background including three years at the undergraduate level and five years at the graduate level. Contributed three publications to prestigious American Chemical Society journals and seven presentations at local, regional and national American Chemical Society Meetings. Over five years of teaching experience at the undergraduate level in addition to providing training sessions for new users of the X-ray diffraction facility. Experience in troubleshooting and diagnosing problems encountered among X-ray diffractometers.

EDUCATION:

Georgetown University-Washington DC, 20057
Ph.D. Degree, Inorganic Chemistry, Expected August 200xx
Thesis: Synthesis, Characterization, and Reactivity of Novel Gold (I) Thiolate Complexes: Applications in Materials and Metallopharmaceuticals.
Member, American Chemical Society

Randolph-Macon College-Ashland, VA 23005
B. S. Degree, May 19xx
GPA: 3.19
Major: Chemistry
American Chemical Society (ACS) approved degree
Thesis: Synthesis, Characterization, and Reactivity of Platinum-Bis (diphenylphosphino) ferrocene Complexes.
Dean's List
Member, Chi Beta Phi Honorary Science Fraternity
Member, American Chemical Society

Chancellor High School-Fredericksburg, VA 22407
College preparatory, State Seal Diploma, June 19xx

EXPERIENCE:

Organic Chemistry Teaching Assistant 06/20xx-Present
Georgetown University, Washington, DC 20057 22 hrs/wk
Supervisors: Fred Smith (123) 456-7890

- Supervise students performing organic chemistry experiments
- Organize and dispose of waste chemicals and maintain a safe laboratory environment
- Grade laboratory reports submitted by the students
- Proctor and grade exams

X-ray Facilities Assistant 09/20xx-01/20xx
Georgetown University, Washington, DC 20057 ~10 hrs/wk

Supervisors: George Jones (123) 456-7890

Kevin Rogers (123) 456-7890

- Perform routine maintenance on single-crystal and powder diffractometers
- Troubleshoot and diagnose problems with the diffractometers
- Archive data collections for all users
- Train new users of the single-crystal and powder diffractometers
- Inform new and existing users of the safety issues and potential hazards associated with X-ray exposure
- Coordinate with the radiation safety officer on a monthly basis in obtaining new dosimeters and the analysis report of the previous month's dosimeters for all users

Research Assistant

06/19xx-08/19xx

Georgetown University, Washington DC 20057

40 hrs/wk

Supervisor: John Doe (123)456-7890

- Planned and developed organic and inorganic chemistry experiments to be performed by undergraduate students in a new course with an emphasis on utilizing many analytical tools and instruments such as circular dichroism, NMR, IR, GC-MS, UV-visible spectroscopy and X-ray diffraction
- Investigated the use of a new mixed phosphine-imine compound as a ligand for gold and silver
- Performed inorganic syntheses to prepare novel bimetallic complexes
- Collected NMR, IR, and UV-visible spectroscopic data and X-ray crystal structures of the compounds synthesized

Advanced Synthetic Laboratory Teaching Assistant

06/19xx-05/20xx

Georgetown University, Washington, DC 20057

~8 hrs/wk

Supervisor: John Doe (123)456-7890

- Directed students in the synthesis of organic and inorganic compounds
- Supervised students in using analytical instruments, tools, and experimental procedures such as circular dichroism, NMR, IR, UV-visible spectroscopy, X-ray diffraction, Schlenk techniques for air-sensitive compounds and standard organic and inorganic experimental procedures such as reflux reactions.

General Chemistry Teaching Assistant

09/19xx-05/19xx

Georgetown University, Washington, DC 20057

~10 hrs/wk

Supervisor: Mike Dunn (123) 456-7890

- Prepared weekly recitations for freshman chemistry students which consisted of summarizing and answering questions on lecture topics
- Prepared weekly quizzes
- Proctored and graded exams
- Supervised and directed students with weekly laboratory experiments

Teaching Assistant

01/19xx-05/19xx

Randolph-Macon College, Ashland, VA 23005

~5 hrs/wk

Supervisor: Jane Smith (123) 456-7890

- Supervised students enrolled in general and organic chemistry in performing laboratory experiments
- Assisted in grading laboratory reports and notebooks submitted by the students

**Secretary, Randolph-Macon's Affiliates Chapter
of the American Chemical Society**

09/19xx-05/19xx

Randolph-Macon College, Ashland, VA 23005

2 hrs/wk

Supervisor: Maria Moss

- Organized weekly meetings
- Planned activities such as "Science Day" with elementary school children and a forensic science course for gifted area high school students

HONORS AND AWARDS:

- Graduate Student Travel Grant, Georgetown University (20xx)
- American Chemical Society Outstanding Achievement in Chemistry Award (19xx)
- Inducted into Chi Beta Phi, an Honorary Science Fraternity
- Summer Research Fellowship, Randolph-Macon College (19xx)
- SURF (Summer Undergraduate Research Fellowship) Randolph-Macon College (19xx)
- Dean's List

COMPUTER SKILLS:

Networks: Networking with Windows NT
Operating Systems: Windows NT, 95, 98, XP, MS-DOS
Programs: Microsoft Word, Excel, PowerPoint, Word Perfect, Corel Presentations, Quattro Pro, internet research (Netscape, Internet Explorer), Chem Draw, ISIS Draw and limited use of Gaussian 98 and Hyperchem.

INSTRUMENTATION AND TECHNIQUES:

NMR (multi-nuclear and variable temperature), IR, UV-visible spectroscopy, fluorescence, X-ray diffraction (single-crystal and powder (XRD), elemental analysis, GC-MS, column chromatography, thin-layer chromatography, Schlenk techniques.

PUBLICATIONS:

1. "An Integrated Molecular Modeling and Melting Point Experiment for the Organic Chemistry Laboratory," T. Poon, L. T. Dobbin, and C. M. Norris. *Journal of Chemical Education*, **19xx**, 76(7), 983-985.
2. "Formation of a Novel Luminescent Form of Gold (I) Phenylthiolate via Self-Assembly and Decomposition of Isonitrilegold (I) Phenylthiolate Complexes," R. E. Bachman, L. T. Dobbin, S. C. Glennon, and S. A. Sirchio. *Journal of the American Chemical Society*, **20xx**, 122(29), 7146-7147.
3. "Structural Analysis of AgI and Au/AgI Nanocomposite Films by Powder X-ray Diffraction: Evidence for Preferential Orientation," M. El-Kouedi, C. A. Foss, Jr., , L. T. Dobbin and R. E. Bachman. *Journal of Physical Chemistry B*, **20xx**, 106(29), 7205-7209.
4. "The Synthesis and Reactivity of Bimetallic Pt(0) and Pt(II) Complexes Based on the Chelating Ligand Diphenylphosphinoferrocene," S. Schreiner, S. A. Bodolosky, and R. E. Bachman. *Inorganic Chemistry*, Accepted

PRESENTATIONS:

1. "Synthesis and Characterization of Platinum-Bis (diphenylphosphino) ferrocene Complexes," , L. T. Dobbin and S. Schreiner. North Carolina Consortium for Undergraduate Research, Elizabeth City, NC, 19xx.
2. "Synthesis, Characterization, and Reactivity of Platinum-Bis (diphenylphosphino) ferrocene Complexes," , L. T. Dobbin and S. Schreiner. 213th ACS National Meeting, San Francisco, CA, April 13-17, 19xx. Paper 0448-CHED.
3. "Synthesis, Single-Crystal X-ray Determination, and Reactivity of a Zerovalent Platinum-Carbonyl-Diphosphine Complex," R. E. Bachman, , L. T. Dobbin, and S. Schreiner. 215th National ACS Meeting, Dallas, TX, March 29-April 2, 19xx. Paper 0076-INOR.
4. "Teaching an Old Dog New Tricks: The Synthesis of a Strongly Luminescent Form of Polymeric Gold (I) Phenylthiolate," R. E. Bachman, , L. T. Dobbin, and S. C. Glennon. 33rd Middle Atlantic Regional ACS Meeting, Newark, DE, May 15-17, 20xx. Paper 239-INOR.

5. "Influence of Auophilic Bonding on the Supramolecular Structure and Physical Properties of Simple Gold (I) Complexes," R. E. Bachman, , L. T. Dobbin, and S. C. Glennon. 220th ACS National Meeting, Washington, DC, August 20-24, 20xx. Oral 458-INOR.

6. "Structure and Reactivity of Gold Thiolate Complexes," , L. T. Dobbin and R. E. Bachman. 34th ACS Middle Atlantic Regional Meeting, Towson, MD, May 30-June1, 20xx. Oral 155-INOR.

7. "Redox Chemistry of Gold Phenylthiolates with Disulfides," L. T. Dobbin and R. E. Bachman. 224th ACS National Meeting, Boston, MA, August 18-22, 20xx. Paper 135-INOR.