



Toxicology Regulatory Services

Curriculum Vitae

Lara A. Hall, M.S.

PROFESSIONAL REGISTRATION

Registered Quality Assurance Professional – GLP; 2006 to present

EXPERIENCE

Senior Scientist/QA Auditor, 2006 to present

Toxicology/Regulatory Services, Inc.

- Promoted from Associate Scientist/QA Auditor (2003-2006)
- Monitor and quality assure environmental toxicology, physical-chemical properties and environmental fate studies from protocol development through final reporting; prepare regulatory submissions; perform and report GLP facility inspections; perform chemical structure-based physico-chemical and environmental fate modeling; build and maintain IUCLID datasets; assist with contract development, program budgets, invoicing and study archiving; communicate study findings and regulatory updates to Sponsors; and ensure quality control of internal procedures, outgoing communications and technical documents.

Staff Technician, 2000-2003

Stroud Water Research Center, Avondale, PA

- Lead field research team in tasks associated with nutrient spiraling experiments and sampling of nutrients, ions, and seston (TSS) in stream transport during baseflow and storms
- Additional duties included: water chemistry; equipment maintenance; data management and analysis; quality assurance & control; draft SOP's and preliminary reports; mentor interns; organic matter processing; facilitate weekly discussions of current peer-reviewed published journal articles

Research Assistant, 1999-2000

Dept. of Biology, Virginia Tech, Blacksburg, VA

- General management of the laboratory facility, management of undergraduate lab assistants, water chemistry, equipment maintenance, and data analysis

Professional Internship Program, ORISE, 1998-1999

Environ. Sciences Div., ORNL, DOE, Oak Ridge, TN

- Fulfilled requirements of competitive position while conducting M.S. thesis research
- Assisted with field work and bench-top analyses in stream, microbiology, and molecular labs

EXPERIENCE (CONTINUED)

Undergraduate Researcher, 1996-1997

Dept. of Biology, Virginia Tech, Blacksburg, VA

- Investigated the effects of the replacement of hardwood forest by pine monoculture on multiple trophic levels in small stream ecosystems and quantified the effects of substrate type and quality on the growth of aquatic macroinvertebrates, *Tallaperla* and *Tipula*
- 1997 All-Coweeta Meeting, Athens, GA

NSF Research Experience for Undergraduates (REU), 1996

Univ. of New Mexico, Albuquerque, NM

- Designed, conducted and presented a project investigating the topographic and edaphic factors controlling the distribution of *Larrea tridentata* in the Sevilleta National Wildlife Refuge, NM; 1996 UNM Biology Department Symposium

Laboratory Assistant, 1994-1997

Stream Team, Dept. of Biology, Virginia Tech, Blacksburg, VA

- Duties included: field assistance; data entry and analysis; modeling nutrient cycling in streams; water filtration and chemistry; extraction and HPLC analysis of ergosterol; AFDM analysis; benthic macroinvertebrate collection and I.D.

EDUCATION

Master of Science, Biology, 2000

Virginia Tech, Blacksburg, VA

Oak Ridge National Lab (ORNL), Environmental Science Division, Oak Ridge, TN

Advisors: Dr. J. R. Webster (Virginia Tech) and Dr. P. J. Mulholland (ORNL)

Bachelor of Science, Biology, 1997

Virginia Tech, Blacksburg, VA

Minor: Environmental Science

Graduated *Cum Laude*, Commonwealth Scholar in Honors

SOCIETY AFFILIATIONS & PROFESSIONAL DEVELOPMENT

Society of Quality Assurance (SQA), Active Member, 2008-present

- Affiliate Member, 2004-2008
- 25th SQA Annual Meeting, San Diego, CA; Including Preconference Training – *Continual Quality Improvement: Expanding the QA Toolbox*, April 2009
- 22nd SQA Annual Meeting, Phoenix, AZ; Including Preconference Training – *Introduction to Computer Validation for the QA Professional and Advanced Concepts in Computer Validation*, April 2006

National Capital Area Regional Society of Quality Assurance (NCARSQA), 2003-present

- Training Session: *Basic and Advanced Good Laboratory Practice (GLP) Training Clinic*, Rockville, MD, March 2003

SOCIETY AFFILIATIONS & PROFESSIONAL DEVELOPMENT (CONTINUED)

Society of Environmental Toxicology & Chemistry (SETAC), Regular Member, 2003-present

- 29th Annual Meeting in North America, Tampa, FL, Including Preconference Training: *Nanotechnology and the Environment*, November 2009
- 27th Annual Meeting in North America, Montreal, Quebec, Canada, Including Preconference Training: *Analytical Chemistry – A Guide to Sample Collection, Laboratory Analysis, and Data Interpretation*, November 2006
- 26th Annual Meeting in North America, Baltimore, MD, November 2005
- 4th SETAC World Congress/25th Annual Meeting in North America, Portland, OR; Including Preconference Training: *SC12 Field-Based Exposure and Effects Measurements*, November 2004
- 24th Annual Meeting in North America, Austin, TX; Including Preconference Training: *Environmental Fate & Exposure Assessment Course – Use of the USEPA EPIWIN Estimation Software*, November 2003

American Society for Microbiology (ASM), 1999-2001

North American Benthological Society (NABS), 1996-2002

- Graduate Resource Committee Chairperson, 1999-2000
- 1998 NABS Endowment Auction Committee Chair, PEI, Canada, 1997-98

TEACHING EXPERIENCE & COMMUNITY OUTREACH

StreamWatch Volunteer, Rivanna Watershed, 2005-2006

- Assist in the StreamWatch mission to monitor and assess Rivanna basin streams and rivers to help the community maintain and restore healthy waterways

Graduate Teaching Assistant, Dept. of Biology, Virginia Tech, Blacksburg, VA, 1997-1998

- Taught 3 sections of Principles of Biology Lab (non-biology majors) each of 2 semesters

S.H.A.D.E.S., American Women in Science/U. of Tenn.-Knoxville, Fall 1998 and Spring 1999

- Hosted 2 workshops on aquatic macroinvertebrates for girls interested in science

Mentor, Pilot Mentorship Program, Virginia Tech, Department of Biology, Spring 1997

- Met weekly with a group of 10 freshman biology students
- Provided guidance with coursework, exam preparation, and academic planning

PUBLICATIONS & PRESENTATIONS BY L. A. (MARTIN) HALL

Newbold, J. D., T. L. Bott, L. A. Kaplan, C. L. Dow, L. A. Martin, D. J. Van Horn, and A. A. de Long. 2006. Uptake of nutrients and organic C in streams in New York City drinking-water-supply watersheds. *Journal of the North American Benthological Society* 25(4):998-1017.

Martin, L. A., J. D. Newbold, L. A. Kaplan, and C. L. Dow. 2002. Nutrient uptake in 10 New York streams under different flow regimes. 50th Annual Meeting of the North American Benthological Society: Pittsburg, PA. May 28-June 1, 1999. *Bulletin of the North American Benthological Society* 19(1): 517.

PUBLICATIONS & PRESENTATIONS BY L. A. (MARTIN) HALL (CONTINUED)

- Martin, L. A., P. J. Mulholland, J. R. Webster, and H. M. Valett. 2001. Denitrification potential in sediments of headwater streams in the southern Appalachian Mountains, USA. *Journal of North American Benthological Society* 20(4):505-519.
- Martin, L. A., P. J. Mulholland, J. R. Webster, A. V. Palumbo, and J. Zhou. 1999. Denitrification in sediments of headwater streams. 47th Annual Meeting of the North American Benthological Society: Duluth, MN. May 24-28, 1999. *Bulletin of the North American Benthological Society* 16(1):224.
- Martin, L. A., A. V. Palumbo, J. Zhou, P. J. Mulholland, and R. Stapleton. 1999. Isolation and characterization of denitrifiers from sediments of headwater streams. 99th General Meeting of the American Society for Microbiology: Chicago, IL. May 30 – June 3, 1999.
- Martin, L. A., B. Greyson, J. L. Tank, J. S. Harding, and E. F. Benfield. 1997. The effects of substrate type on shredder growth in pine and hardwood watersheds. NABS 45th Annual Meeting: Southwest Texas State University, San Marcos, TX. May 26-30, 1997. *Bulletin of the North American Benthological Society (NABS)* 14(1):205.

GRANTS FUNDED

Graduate Research Development Program Grant, February 1999.

Endowment Student Travel Award, North American Benthological Society, March 1999.