

## EDUCATION

**Ph.D. Environmental Biology and Public Policy**, George Mason University, 1992 - 1995

**Molecular, Cellular and Biochemistry**, Pennsylvania State University, 1990-1991

**M.S. Biology/Immunology**, The American University, 1986 - 1988

**B.S. Nutrition Science**, The Pennsylvania State University, 1982 - 1984

**Biology**, Bucks County Community College, 1980 – 1982

**Forensic Serology Courses** – FBI Academy @ Quantico and University of VA (3 cr), 1985

## PROFESSIONAL LICENSURE

2006-Present: Clinical Chemist (recognized by CLIA and CAP as Clin Chem Lab Director certification)

NRCC #2734 - National Registry for Certified Chemists

2006-Present: Clinical Chemistry Lab Director – Florida DI 39496; GA Lab Dir license since Apr 2017

2006-Present: Public Health Microbiology Technician - Florida DI 39496

2011-2015: Laboratory Director of Toxicology, Logan Labs, CLIA #10D2034532, (Chemistry added 2013),  
(Molecular Pathology added April 2015, CAP accreditation attained for all lab areas)

2007-2011: Co-Medical Director Point of Care Testing, Arkansas Children's Hospital, CLIA #04D865608

## PROFESSIONAL TEACHING EXPERIENCE (only)

Adjunct Professor, HOUSTON COMMUNITY COLLEGE, August 2018 – Present

Taught **BIOL I, AP I** and associated **Labs**

Adjunct Associate Professor for Basic Sci, UAMS, Joint appointment in Genetics, Aug 2010 to Dec 2011

Appointment never resulted in teaching. There were no courses available at each inquiry.

Adjunct Professor, UAMS, Joint appointment (with ACH) in Pathology, August 2007 to May 2011

Appointment never resulted in teaching. There were no courses available at each inquiry.

Adjunct Professor, DAYTONA BEACH COMMUNITY COLLEGE, August 2003 – October 2003

Taught **Microbiology** and associated **Labs**, 2 sections for 5 weeks, plus filled in for 2 lecture sections and 5 labs for 2 weeks.

Professor, FLORIDA COMMUNITY COLLEGE AT JACKSONVILLE, May 1999–Oct 2003

Taught **Anatomy** and **Physiology I and II, Biology I, Introductory Biology** all with labs

Teacher, SAINT AUGUSTINE HIGH SCHOOL, St. Augustine, FLA, Fall 1997 - Spring 1998

Taught **Advanced Placement Chemistry II, Chemistry II, Chemistry I, Biology I**

Professor, ST. JOHN'S RIVER COMMUNITY COLLEGE, St. Augustine, Fall 1995 - Spring 1997

Taught **Microbiology, Zoology, Nutrition, General Biology** full-time at two campuses

Doctoral Cand. & Teaching Asst, PSU and GMU, Aug 1990 to May 1995

Species ID w/ **Molecular Techniques**

Master's Cand. & Teaching and Research Asst, AMERICAN UNIV, Jan 1986 to Dec 1989

**ImmunoEndocrinologic** Effects of Estrogen

## RESEARCH AND PUBLICATIONS (related to Education only)

Aires, J., Vockell, W., **Bates, L. G.** 2001: *Biology Lab Manual* for BSC 2010 (Biology I).

**Bates, Lisa G.** 1995. *Doctoral Dissertation*: Species identification of sipunculan larvae by analysis of Randomly Amplified Polymorphic DNA (RAPD) fingerprinting.

**Bates, L.G., Grove, D.S. and Mastro, A.M.** 1995: Mechanisms of activation and suppression in rat Nb 2 lymphoma cells: A model for interactions between prolactin and

the immune system. *Experimental Cell Research* 218: 567-572.

Bates, Lisa G. 1989. Abstract: The immunomodulatory effects of prolactin and conventional lymphocyte mitogens on rat Nb 2 lymphoma cells. *Graduate Thesis Abstracts*.

## **INVITED LECTURES/TALKS**

### **Quality/Lean/Regulatory:**

Clinical Laboratory Manager's Association, Local Chapter, "**Lean** Lessons", April 2010.

American Med Tech Society, AR Chapter, "**CLIA** Regulations", September 2009.

**ACH Pathology** Dept, "Method Validation", 05/07; "What is NB Screening Expansion?" 12/06.

**FL DOH, Epidemiology Rotation for Residents**, "FL State-Wide Newborn Screening Program", Jul 2006.

**FL NS & Genetics Advisory Council**, "State NS/Clinical Chemistry Program Updates", 12/03 - 7/06.

### **Technical:**

Co-Presenter, NICU monthly meeting, "Newborn Screening **Confirmation** Testing at ACH", May 2009.

ACH Area Manager's Meeting, "**Metabolic Genetics** Lab Expanded Services", March 2009.

**Co-Host, Peds Place**, UAMS/ACH, "Expanded Newborn Screening: What's New?" June 2008.

FL DOH, Jacksonville Laboratory, "What is NB Screening Expansion?" (**MSMS** lecture) March 2005.

## **PROFESSIONAL TRAINING (related to education only)**

**On-Line Professor** Training Course – FL Comm Coll at Jacksonville, FL

## **PROFESSIONAL SOCIETIES (\*recent membership)**

American College of Medical Genetics (ACMG)\*

American Society for Human Genetics (ASHG)

Society for Inherited Metabolic Disorders (SIMD)

Assoc'n for Public Health Laboratories (APHL)

Florida Assoc'n of Community Colleges (FACC)

Phi Theta Kappa National Honor Society (PTK)

Society for Molecular Biology and Evolution

Florida Association for Women in Education

Am. Soc. for Biochem. and Mol. Biology (FASEB)

Society for Comparative and Integrative Biologists (previously American Society for Zoologists)

Am Assoc for Clinical Chemistry (AACC)\*

American Society for Mass Spec (ASMS)

Clinical Lab. Manager's Assoc, Nat'l and Chap

Heartland and SE Regional Genetics Groups

National Assn. for Female Executives (NAFE)

American Chemical Society (ACS)

American Society for Systematic Biology

Sigma Delta Epsilon, Graduate Women in Science

Clinical Ligand Assay Society

## **GRANTS AND AWARDS (related to Education only)**

Smithsonian **Predocctoral Fellowship**, \$7500 stipend; \$900 research and travel expenses, 09/94 – 02/95

Graduate **Research Assistantship**: \$3625 plus full tuition reimbursement, Spring 1995

Sigma Xi **Grant-In-Aid of Research**, \$390, July 1993

Ledger 2 Support **Research Grant**, \$1500, George Mason University, May 1993

Graduate School **Fellowships (4)**: \$10,000, 1992 - 1995

Graduate **Teaching Assistantships (3)**: \$6850, August 1992 - June 1993 (GMU);

\$6500, January 1992 - June 1992 (GMU); \$11,500, August 1990-July 1991 (PSU)

International Cancer Alliance Creative Research **Fellowship**, \$1100, May 1992 - July 1992

American Association of **Cancer Research Scholarship** to attend The Molecular Biology in

Clinical Oncology Workshop, Travel and Housing Expenses, Aspen, CO, July 1992

Bucks County Community College Dean's Academic **Scholarship**, \$500, Sept. 1981

## **REFERENCES** – Available upon request