

CURRICULUM VITAE

DONALD W. LONG, Ph.D.

EDUCATION

The Ohio State University Graduate School

03/68 to 06/70

Doctor of Philosophy Degree (Ph.D.)

June 1970

Field of Specialization:

Dairy Science

Dissertation:

Serum Progesterone and Luteinizing Hormone in the Estrous Synchronized Bovine.

Distribution of Graduate Level Studies:

Research: 104 Hours

Biochemistry: 31 Hours

Physiology/Anatomy: 22 Hours

Math/Genetics: 17 Hours

Organic/Physical Chemistry: 8 Hours

Misc: 16 Hours

The Ohio State University Graduate School

06/65 to 03/68

Masters of Science Degree (M.S.)

March 1968

Field of Specialization:

Dairy Science

Thesis:

Variation in Peripheral Plasma Progesterone Levels and its Association with Ovulation in the Bovine.

The Ohio State University College of Agriculture

06/31 to 06/65

Bachelor of Science Degree in Agriculture (B.S.)

June 1965

Major Field of Study:

Dairy Science

POSITIONS/APPOINTMENTS

Nationwide Children's Hospital: Pediatric Pathology Associates of Columbus, Inc.

700 Children's Drive

Columbus, Ohio 43205

614-722-6880

Senior Research and Development Scientist 07/04 to Present

Columbus Children's Hospital: Department of Laboratories

700 Children's Drive

Columbus, Ohio 43205

614-722-5480

Speciality Chemistry Section of Special Functions Department

Specialist II

09/03 to 07/04

Medical Technologist

07/96 to 09/03

The Forum at Knightsbridge

4590 Knightsbridge Blvd

Columbus, Ohio 43220

614-451-6793

Driver

12/00 to Present

W. C. Brunk

4692 Kenny Road

Columbus, Ohio 43220

614-451-0947

School Bus Driver

03/96 to 07/96

Ohio State Highway Patrol

Crime Laboratory
 660 East Main Street
 Columbus, Ohio 43205
 6174-466-4790

Crime Laboratory Director 03/95 to 01/96
 Forensic Toxicologist
 Chemistry Lab Supervisor II 02/94 to 03/95
 Forensic Toxicologist

Western Reserve Care System

Northside Medical Center
 500 Gypsy Lane
 Youngstown, Ohio
 216-747-1444 ext.3794
 1-800-824-5228

Scientific/Technical Director 05/93 to 02/94
 Toxicology

Roche Biomedical Laboratory Inc.

6370 Wilcox Road
 Dublin, Ohio 43017
 1-800-282-7300

Laboratory Director 04/88 to 12/91
 Director of Toxicology 06/86 to 12/91
 Manager of RIA, Immunology
 and Toxicology 06/86 to 04/88
 Manager of Radioimmunoassay 06/75 to 06/86

Roche Biomedical Laboratory Inc.

2525 North Royalton Road
 Broadview Height, Ohio 44147
 1-800-542-7708

Laboratory Director 1/88 to 12/91

Roche Biomedical Laboratory Inc.

32427 School Craft Road
 Livonia, Michigan 48150
 313-525-4080

Laboratory Director 11/87 to 12/91

Searle Diagnostics

Home Road
 Powell, Ohio

Manager of Radioimmunoassay 12/74 to 6/75
 Supervisor of Steroid RIA 06/74 to 12/74
 Senior Research Associate 10/70 to 6/71

LABORATORY METHODS DEVELOPED FOR CHILDREN'S HOSPITAL

Urine THC Metabolites by GC/MS 10/25/2006
Urine Glutaric Acid by GC/MS 06/03/2005
Plasma or Serum Glutaric Acid by GC/MS 05/05/2005
Urine Methylmalonic & Ethylmalonic by GC/MS 01/21/2005
Plasma Methylmalonic & Ethylmalonic by GC/MS 01/10/2005
7-Dehydrocholesterol Assay by GC/MS 10/07/2004
Guanidinoacetate & Creatine in Urine by Tandem Mass Spectrometry (LC-MS-MS) "GAAU" 04/13/2004
Guanidinoacetate & Creatine by Tandem Mass Spectrometry (LC-MS-MS) "GAA" 12/02/2003
Plasma Acylcarnitine Profile by Tandem Mass Spectrometry (LC-MS-MS) 11/03/2003
Phenylalanine & Tyrosine by Tandem Mass 03/24/2003

<u>Spectrometry (LC-MS-MS)</u>	
<u>Amino Acid Profile by HPLC on Hitachi</u>	08/15/2002
<u>MSUD/PATY/PALA Profile by HPLC on Hitachi</u>	06/01/2002
<u>Gabapentin by GC/MS</u>	04/19/1999
<u>HVA/VMA by GC/MS</u>	09/08/1998
<u>Organic Acid by GC/MS</u>	07/01/1998

CERTIFICATION AND MEMBERSHIPS

American Association for Clinical Chemistry
American Society of Crime Laboratory Directors. Inc. (ASCLD). Sep. 25, 1995
Ohio Department of Health
 Alcohol Testing, Approval & Permit Program
 Gas Chromatography Permit#: 2863-LD-B Exp: 08-13-95
 Immunoassay (TDX) Permit#: 2872-LD-D4 Exp: 08-13-95
 Gas Chromatography Permit#: 3048-LD Exp:10-18-96 3701-53-01
Inspector for CAP FUDT Program
Technical Advisory Service for Attorneys
State of Ohio Peace Officer Training Council, Office of the Attorney General
 Instructor in the Ohio Peace Officer Basic Training Program for:
 Investigation: Topics 1 & 4
 Traffic Accident Investigation: Topic 3
 Certificate Number: 9396 Issued: 11-15-94 Exp: None
Sigma Xi
Alpha Zeta Fraternity
Gamma Sigma Delta

CONTINUING EDUCATION-WORKSHOPS-CAP INSPECTION TEAM

AS PARTICIPANT

Children's Hospital CAP Inspection Team Member
 Hospitals Inspected:
 Cincinnati Children's Hospital April 20, 2005
 Buffalo Hospital February 25, 2004
CAP/FUDT Laboratory Accreditation Program Inspector Training: Baltimore, Maryland, October 13, 1995.
Workshop at the 25th Anniversary Meeting of SOFT: "Drugs and Driving: Current Pharmacological Issues (NHTSA)." Baltimore, Maryland, October 10, 1995.
Workshop at the 25th Anniversary Meeting of SOFT: "Forensic Alcohol Testing in the Workplace." Baltimore, Maryland, October 9, 1995.
Society of Forensic Toxicologists Silver Anniversary Meeting: Baltimore, Maryland, October 9-14, 1995.
American Society of Crime Laboratory Directors (ASCLD) & Laboratory Division Federal Bureau of Investigation: "23rd Annual Symposium on Crime Laboratory Development." FBI Academy, Quantico, Virginia, September 26-29, 1995.
Drug Enforcement Administration Office of Training: "Forensic Chemist Seminar." McClain, Virginia, March 20-24, 1995.
National Patent Analytical Systems Inc.: "BAC Datamaster Maintenance Training School", Mansfield, Ohio, February 7-10, 1995.
The Ohio State Highway Patrol: "Advanced Detection, Apprehension and Prosecution of Persons Under the Influence of Alcohol (Improved Sobriety Testing-Horizontal Gaze Nystagmus)." Columbus, Ohio, January 17-20, 1995.
Syva Company: "Updates in Drug Testing." Columbus, Ohio, December 6 & 7 1994.
American Society of Crime Laboratory Directors (ASCLD) & Laboratory Division of Federal Bureau of Investigation: "22nd Annual Symposium on Crime Laboratory Development." FBI Academy, Quantico, Virginia, September 27-30, 1994.
Indiana University Center for Studies of Law in Action: "Tests For BAC in Highway Safety Programs: Supervision and Expert Testimony." Bloomington, Indiana, May 15-20, 1994.
Armed Forces Institute of Pathology: "Forensic Toxicology." Vienna, Pa, April 4-6, 1994.
CAP/FUDT Inspector Seminar: Chicago, Illinois, July 18 & 19, 1992.

The Department of Transportation: "DOT Testing in NIDA Labs." Washington, DC, May 29 & 30, 1991.

The Department of Transportation: "DOT Testing in NIDA Labs." Washington, DC, September 19, 1990.

NIDA Consensus Conference on Technical Scientific & Procedural Issues of Employee Drug Testing: Falls Church, Virginia, November 28 to December 1, 1989.

National Private Truck Council: "Mandatory Drug Testing Seminar", Dallas, Texas, October 30 & 31, 1989.

NIDA Conference: "Drugs in the Workplace: Research and Evaluation Data", Bethesda, Maryland, September 25-27, 1989.

The American Society for Mass Spectrometry: "Short Course on GC/MS Methods in Drug Testing." May 20 & 21 1989.

Division of Education-Section of Continuing Education May Foundation: Rochester, Minnesota. "Drug Testing in the Workplace." June 3, 1988.

AS FACULTY, SPEAKER OR PANEL MEMBER

Ohio Prosecuting Attorneys Association: "Substance Abuse: The effects of Drugs and Alcohol on the Body". Annual Meeting, Columbus Ohio, December 8, 1994.

WorkMed Educational Session: "Drug Testing in the Workplace." WorkMed Occupational Health Services. Beeghly Medical Park, Youngstown, Ohio, December 8, 1993.

WRCS/St. Elizabeth Hospital Medical Technology Lecture Program: "Toxicology." Western Reserve Care System, Northside Medical Center, Youngstown, Ohio, October –December 1993.

Third Annual Conference on "Alcohol and Drug Abuse Programs for Horse Racing Industry. Drug Free Racetracks Make Good Business Sense: Sponsored by: American Horse Racing Federation; Association of Racing Commissioners International Churchill Down Inc.; Norton Psychiatric Clinic, School of Medicine; and Department of Equine Administration School of Business-University of Louisville. Louisville, Kentucky, October 30 & 31, 1991.

The Illinois Initiative for a Drug-Free Workplace: "Drug Screening and Detection Efforts". Schaumburg, Illinois, September 27 & 28, 1990.

Columbus Bar Association: Substance Abuse, Disease and Disability in the Workplace: "Laboratory Protocols and Drug Testing." Columbus, Ohio September 14, 1990.

Eight Annual Labor, Management Conference: "Substance Abuse: "The Front Line Issues". Northern Kentucky University, Covington, Kentucky, May 16, 1990.

"Current Developments in Drug Testing": Medi-Quick, St. Louis, Missouri, April 18, 1990.

Working for a Drug-Free Industry. A Worksafe: Illinois/MOHA Business Seminar "Toxicology and Legal Issues." Decatur, Illinois, December 8, 1989.

DOT Drug Testing and Policy Seminar: "DOT Laboratory Testing and Reporting." Mercy Iowa Occupational Medicine Clinic, Des Plaines, Illinois, November 9, 1989.

1989 Midwest Labor Law Conference: "Ethics (Substance Abuse) from the Perspective of a Lab Expert." Columbus, Ohio, October 27, 1989.

Employee Health Programs: "Medical Review Officer Training Program." Columbus, Ohio, October 21 & 22, 1989.

Pro Med Minor Emergency Centers Seminar. Employee Drug Testing: "Drug Testing Procedures." Charlotte, North Carolina, October 11, 1989.

Nebraska Cooperative Council/American Health Screening Seminar. Drugs in the Workplace: "Lab Selection and DOT Compliance." North Platte, Nebraska, September 13, 1989 and York, Nebraska, September 14, 1989.

Industrial Medicine Associates/Pro Med. Drugs in the Workplace and Federal Compliance: "Compliance with DOT Regulations-The Role of the Laboratory." Kansas City, Kansas, August 30, 1989.

Sterling Rock Fall Clinic, LTD. Working Towards a Drug Free Workplace: "Reliability and Methods of Drug Testing-Understanding Reporting Format." Sterling, Illinois, May 25, 1989.

Occupational Health Services Drug Testing in the Workplace and Federal Compliance: "Drug Testing Procedure." Wichita, Kansas, May 9, 1989.

1988 Midwest Labor Law Conference: "Substance Abuse Testing-What is GC/MS." Cleveland, Ohio, May 1988.

Northwestern Ohio Self-Insurance Association: "Aids Testing-The View from the Lab." Maumee, Ohio, October 22, 1987.

Searle Radioimmunoassay Workshop Program: Member of the staff and lectured on Quality Control and Kit Evaluation Procedures. 1974 & 1975

PUBLICATIONS

Hyperoxia Increases Hepatic Arginase Expression and Ornithine Production in Mice.

Daniel T. Malleski, Lynette K. Rogers, Sean M. Velluci, Tamara L. Young, Min S. Park, Donald W. Long, Stephen E. Welty, Charles V. Smith, Leif D. Nelin. Toxicology and Applied Pharmacology 215 (2006) 109-117.

Effects of TRH Injection on Hippocampal-Hypothalamic-Pituitary-Thyroid Interactions. Helen M.

Murphy, Cyrilla H. Wideman, Donald W. Long and Thomas S. Brown. Peptides, Vol. 4, pp. 735-737, 1983

CBL Viral Hepatitis Testing: Pocket Guide. Donald W. Long. Consolidated Biomedical Laboratories P.O. Box 2289 Columbus, Ohio 43216.

EXPERT WITNESS-TESTIMONY-LEGAL EXPERIENCE

Available on Request