

# Melinda J Pethel

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## Education

### Doctor of Philosophy

in Progress

Learning, Design, and Technology, University of Georgia

*Meaningful learning, motivation, and perseverance in online learning ecosystems*

### Master of Education

May 2008

Instructional Technology, University of Georgia

*Instructional Design & Development, Computer-Based Education, Project Management, Instructional Product Evaluation*

### Associate of Applied Technology

Sept. 1992

Biotechnology, Athens Technical College

*General chemistry, Organic chemistry, Biochemistry, Immunology, Cell Culture, Microbiology)*

### Bachelor of Science

May 1986

Psychology/ Biology, University of North Georgia

## Employment

### Instructional Technology Systems Specialist, University of Georgia

Oct. 2010 - Present

- Provided training to faculty and graduate assistants on incorporating advanced media technologies in their face-to-face and online classes.
- Managed and sustained all classroom technologies for the five departments in the College of Family and Consumer Sciences and provided front-line hardware and software support in the college as needed.
- Maintained expertise in audio-visual systems, lecture capture, and all emerging technologies to provide pertinent recommendations for grant proposals, classroom renovations/updates, and other planning activities.

### Lead Instructor, Athens Emergency Medical Educators

May 2004 - Present

- Designed and co-lead the first Georgia DHS approved EMT-Intermediate to EMT-Advanced bridge course.
- Taught basic life support, initial and refresher training, to health care professionals in the Northeast Georgia area.
- Assisted with instruction of 60-hour First Responder certification courses and monthly in-service trainings for rural fire departments.

**Assistive Computer Technology Specialist, USG Alternative Media Access Center      Sept. 2006 – Oct. 2010**

- Designed training and support documentation for post-secondary students utilizing assistive technologies.
- Directed training that provided opportunities for hands-on practice and application of new knowledge.
- Worked with a diverse population of students and developed strategies for responding effectively to a wide range of abilities.
- Used online learning management systems (LMS) to organize content and communicate with students.
- As a RESNA certified Assistive Technology Professional (ATP) I conducted interviews with students to address learning needs and provide recommendations for accommodations.

**Laboratory Technician III, UGA College of Veterinary Medicine      May 2001 – Sept. 2006**

- Managed students and course materials on WebCT LMS for Small Animal Infectious Diseases, Virology, Ophthalmology, and Endocrinology courses.
- Performed needs assessment and wrote successful grant proposal for instructional technology funding.
- Designed and maintained website for College of Veterinary Medicine Staff Representative Group.
- Developed and produced an educational video on fire safety for Lab Technicians at UGA.

**Laboratory Supervisor, Robbins LLC, Muscle Shoals, AL      July 2000-March 2001**

- Managed a QC lab team in an ISO polymer manufacturing environment.
- Established and maintained product and raw material specifications, established and documented standard procedures.
- Designed and implemented preventive maintenance program for laboratory instruments.
- Responsible for evaluation and disposition of all non-conforming production products.

**Quality Control Laboratory Technician, Oliver Rubber Company, Athens, GA      May 1996-July 2000**

- Coordinator of QA laboratory for high volume pre-cure rubber manufacturer.
- Documented standard procedures, collected data, performed analyses, trained new personnel.
- Maintained and calibrated test equipment and provided feedback to manufacturing associates and process control division to minimize quality-related issues.

**Research Technician III, UGA Molecular Genetics Instrumentation Facility      May 1994-May 1996**

- Team member in a high volume Core facility providing with DNA sequencing, nucleotide synthesis, and protein services.
- Prepared PCR products and plasmids for automated sequencing and provided guidance to customers in primer design, sample preparation and data interpretation.
- Trained staff in hazardous materials safety and communication.

**Research Technician II, UGA Department of Foods and Nutrition**

**Oct. 1992-May 1994**

- Coordinator of a protein chemistry lab participating in microsomal enzyme isolation and blood coagulation research.
- Developed a successful procedure for extraction and purification of an enzyme for DNA sequencing and characterization.
- Assisted with animal subjects in anesthesia, blood collection, organ harvest, and sacrifice.

**Physical Science Aide, USDA Phytochemical Research Unit, Athens, GA**

**July 1991-Oct 1992**

- Assistant in team responsible for isolation and purification of bioactive organics from agricultural products.
- Prepared of extracts, standards and derivatives for HPLC analysis.
- Prepared slides and charts of data for presentation.

## Publications

Divers, S.J., Papich, M., McBride, M., Stedman, N.L., Perpignan, D., Koch, T.F., Hernandez, S.M., Barron, G.H., Pethel, M.J., Budsberg, S.C. (2010). Pharmacokinetics of meloxicam following intravenous and oral administration in green iguanas (*Iguana iguana*). *American Journal of Veterinary Research*, 71(11), 1277-83.

Daniels, T. & Pethel, M. (2001). "Computer Mediated Instruction". In Orey, M. (Ed.), *Emerging perspectives on learning, teaching, and technology*. Retrieved from <http://projects.coe.uga.edu/epltt/>.

## Presentations

Pethel, M.J (2015). Universal design in online learning: Educating our design process. Presented at Design, Development & Research Conference 2015. Athens, GA.

Lee, C.M. & Pethel, M.J (2006). Accessibility 101: Ensuring equal access for students with disabilities. Presented at USG Annual Computing Conference 2006. Rock Eagle, GA.

Pethel, M.J (2004). To click or not to click: Using interactive devices in veterinary medical education. Presented at UGA Veterinary Medical School Grand Rounds. Athens, GA.

## Grants Received

August 2015-2016

Awarded: \$9,987.25

Principal Investigator, *The UGA One Button Studio: Video Made Easy*.

UGA Center for Teaching and Learning Learning Technologies Grant, (2015-2016)

## Recognitions and Outstanding Achievements

**2009**

Governor's Commendation for Excellence in Customer Service

**1992**

Phi Theta Kappa – National Honor Society, Athens Technical College

**1990**

Presidential Scholar Award – Athens Technical College

**1984**

Psi Chi – National Honor Society in Psychology, North Georgia College

## Service

### Community Service

**2016**

Judge, Georgia Intel Science and Engineering Fair

Judge, Georgia Junior Science and Humanities Symposium

**2015**

Judge, Georgia Intel Science and Engineering Fair

Judge, Georgia Junior Science and Humanities Symposium

### University Service

Founding Member, UGA Web Accessibility Group, since May 2011

Member, UGA eLearning Commons Division Administrators Planning & Support Group since  
Oct. 2010

**2005**

Member, Staff Representative Group, College of Veterinary Medicine

**2004**

Member & Webmaster, Staff Representative Group, College of Veterinary Medicine

Member, UGA Staff Council

Member, Parking Appeals Committee

**2003**

Member & Webmaster, Staff Representative Group, College of Veterinary Medicine

**Department Service**

**2007**

Member, Instructional Technology Program Curriculum Committee

**National Service**

Emergency Medical Technician, National Disaster Medical System (NDMS) - Disaster Medical Assistance Team (DMAT), Georgia-3 Team

**2012**

National DMAT Response to Hurricane Sandy

National DMAT Response to Hurricane Isaac

**2010**

National DMAT Response to Haiti Earthquake

**2008**

National DMAT Response to Hurricane Gustav

**2005**

National DMAT Response to Hurricane Katrina

**2004**

National DMAT Response to Hurricane Ivan