

Curriculum Vitae

Name and Current Position

Roger Lee Gilchrist, Ph.D.
Assistant Professor of Human Biology
Non-Tenure, Teaching Faculty
University of Alabama at Birmingham
Department of Biology

Contact Information

University of Alabama at Birmingham
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Birmingham, AL 35294-1170
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Education

- 1999 **Ph.D.** University of Wyoming, Laramie, WY
Molecular Biology. Thesis – *Signal Transduction Pathways of Gonadotropin Receptors: Origins, Divergence, and Regulation.*
- 1995 **M.S.** University of Wyoming, Laramie, WY
Exercise Science and Health Education, Thesis – *Lactate Dehydrogenase Isoenzymes as a Predictor of Myocardial Infarct Size in a Rat Model.*
- 1991 **B.S.** University of Wyoming, Laramie, WY
Physical Education-Exercise and Sport Science

Teaching Experience

- 1999 – Present **University of Alabama at Birmingham, Birmingham, Alabama**
Department of Biology
- Courses Taught BY 115 & BY 411– Human Anatomy; Freshman and Senior Undergraduates, Lecture & Lab & Cadaver Dissection
BY 116 & BY409 – Human Physiology; Freshman and Senior Undergraduates, Lecture & Lab
BY 216 – Human Pathophysiology; Lecture
BY / NUR 346 – Pathophysiology for Professional Nursing; Lecture
BY 398 Adv. Directed Readings
BY 495 / 695 Adv. Topics in Biology
- 1992 – 1999 **University of Wyoming, Laramie, Wyoming**
Graduate Teaching Assistant
Department of Molecular Biology
Department of Physical Education

Teaching Acknowledgements / Awards:

- 2009-2012 Avg. IDEA Course Ratings (5 point system), All Course Combined
Excellent Instructor = 4.1 Excellent Course = 4.0
- Faculty promotion from Teaching Instructor to Teaching Assistant Professor, 2008
Nomination for UAB President's Award for Excellence in Teaching, 2007

Career Development

Blackboard Learn Basic Certificate, 2011

“Online Course Development”, Facilitated by Dr. Lee Meadows,

UAB 2010 “POGIL” Workshop Facilitated by Dr. Moog, UAB, 2006

“Master Teacher Program” Certificate, Facilitated by Dr. Brightman, UAB, 2005

Scholarship

Advisory Consultant to “Human Physiology BY116 Laboratory Manual”, Wibbles and Odom, Pearson Publishing, 2002 – Present

Ken R. Marion, Roger L. Gilchrist, Raymond Odom, NS&M Learning Resource Grant, “Section A: Expanding Experimental Inquiries in the Physiology Undergraduate Laboratories Through New Technologies for Human Assessment and Data Acquisition”, 2007, Funded \$69,100

Invited Lecture, “Strategies for using PowerPoint to convey complex physiological concepts in large lecture settings”, Pearson / Benjamin Cummings Strategies for Success Workshop, Chattanooga, TN February 2005

Instructional Consultant and Designer on course supplements to “Human Anatomy”, Kenneth Saladin, McGraw-Hill Publishing, 2003 – 2004

Peer Reviewed Scientific Publications

Ryu KS, Gilchrist RL, Koo YB, Ji I, Ji TH., Gene, interaction, Signal generation, signal divergence and signal transduction of the LH/CG receptor. *Int J Gynaecol Obstet.* 1998 Apr;60 Suppl 1:S9-20. Review.

Gilchrist RL, Ryu KS, Ji I, Ji TH., The luteinizing hormone/chorionic gonadotropin receptor has distinct transmembrane conductors for cAMP and inositol phosphate signals. *J Biol Chem.* 1996 Aug 9;271(32):19283-7.

Service, Leadership, and Outreach

Central Alabama Regional Science and Engineering Fair, Judging Coordinator UAB, Director Dr. Mike Wyse, 2000 – present

Course Developer & Coordinator, Human Physiology, Human Anatomy, Human Pathophysiology, UAB 2002 - Present

Curriculum, Scholarships, Library, & Strategic Planning Committees, UAB, Biology, 1999 - Present

Faculty Search Chair, UAB Dept. of Biology, 2012

Academic Success Workshop for Freshmen Science Majors (2009 & 2010)

UAB Faculty Senator, 2004 – 2008

UAB Freshman Orientation, Biology Representative, 2000, 2001, 2006

Anatomy and Physiology Consultant, Labs for Kids Inc. (<http://www.labsforkids.org/>), Director Frank Hamby. 2007 – Present. Support science discovery in urban K-12 Schools