

Warren C. McClure (720)413-1733

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EDUCATION

M.S. Biomedical Sciences; University of Texas-Houston, Health Science Center, Department of Integrative Biology, Pharmacology and Physiology August 1999

B.S. Cellular and Molecular Biology; Fort Lewis College, Durango, CO; August 1995

RECENT WORK EXPERIENCE

2009 Aug. – Present: Biology Instructor at Otero Junior College

- > Microbiology, Bio204
- > General Biology, Bio111 and 112 (For Biology Majors)
- > Teach various biology courses including
- > Anatomy and Physiology II, Bio202
- > Design, Prepare, Order supplies and Administer labs for all courses taught

2007 Nov. – 2009 July: Histotechnologist; UniPath LLC. Denver, CO

- > Perform Immunohistochemical staining on human surgical specimens
- > Maintain and update DAKO instrumentation and protocols
- > Represented UniPath employees at official DAKO instrument training program
- > Train UniPath employees in proper use of DAKO Link 48 Instruments and Software

2003 Nov. – Nov. 2007: Lab Manager; U. of Colorado Health Sciences Center, Aurora, CO

- > Design, Direct and Perform Duchenne Muscular Dystrophy Research (DMD) in Mice
- > Community outreach and education on Muscular Dystrophy
- > Train Entry Level Research Assistants
- > Order Supplies and Monitor Spending

2000 Nov. – 2003 Nov: Research Assistant II; AMC Cancer Research Center, Lakewood, CO

- > Plan and conduct experiments
- > Set up and trouble shoot new projects
- > Maintain, upgrade, and utilize instrumentation
- > Analyze and interpret data
- > Biohazard-waste disposal

2000 Microbiology and General Science Lab Instructor; Columbia College, Columbia, MO

- > Conduct all laboratory classes
- > Design experiments
- > Prepare lectures on laboratory procedures and safety

2000 Jan. - Oct. Microbiology Lab Technician; University Hospital, University of Missouri

- > Prepare specimens for microbiological analysis

- >Interpret Gram Stains
- >Safely prepare potentially bio-hazardous specimens
- >Operate instrumentation for blood born bacterial infection

TECHNICAL EXPERTISE

>Software Proficiency:

D2L learning Management System, Vernier Software (LoggerPro), Microsoft Power Point, EXCEL, Word, IP Labs Imaging, ImageQuant, DAKO LINK48

>Instrumentation:

Fluorescent/Light Microscope, Microtome, Cryostat, Thermocycler, Tissue processor and embedder, Spectrophotometer, Spectrofluorometer, DEXA, Typhoon Imager, Functional analysis equipment

>Protein analysis:

Bradford and Lowry Protein assay, SDS-PAGE, Immuno-blotting, IP, RNA EMSA, Tissue processing, Microtome and Cryo-sectioning, IHC, Immunofluorescence

>RNA analysis:

RNA Isolation, Northern blot, EMSA gels

>DNA analysis:

TUNEL, DNA isolation, Basic molecular techniques (Subcloning, Restriction mapping PCR, Genotyping)

>Mouse Imaging:

MRI (Proton Density, T1 with contrast Gadolinium)

>Certifications:

Blood born Pathogens, Radiation Safety, Animal Care and Handling (AMC and UCDHSC)

PUBLICATIONS AND ABSTRACTS

- i. **McClure, W. C.,** *Eosauropus* (sauropodomorph) trackway from the Chinle interval (Upper Triassic) of the Purgatoire River Valley, Southeastern Colorado, Abstract and Poster Presentation at Annual Meeting for The Society for Vertebrate Paleontology, October 2018
- ii. **McClure, W. C.,** Serkova, N. J., Hasebroock, K.M., and Tseng, B.S., Gadolinium-enhanced T1-MRI pinpoints skeletal muscle pathology in dystrophin deficient mice. *Neuromuscular Disorders*. In Review
- iii. Qureshi MM, **McClure WC**, Arevalo NL, Rabon RE, Mohr B, Bose SK, McCord JM, Tseng BS., The Dietary Supplement Protandim Decreases Plasma Osteopontin and Improves Markers of Oxidative Stress in Muscular Dystrophy Mdx Mice., *J Diet Suppl.* 2010 Jun 1;7(2):159-178.
- iv. **McClure, W.C.,** R. Rabon, H. Ogawa, and B. S. Tseng, Upregulation of the Creatine Synthetic Pathway in Skeletal Muscles of Mature *MDX* Mice. *Neuromuscul. Disord.* 17, 639-650, 2007

- v. Hamilton, M.T., Etienne, J., **McClure, W.C.**, Pavey, B.S., Holloway, A.K. Role of Local Contractile Activity and Muscle Fiber Type on LPL Regulation During Exercise. *Am. J. Physiol.* 275:E10146-E1022, 1998.
- vi. **McClure, W.C.** and Hamilton, M.T. Physical Activity Suppresses AUF1 (hnRNP-D) Abundance and mRNA Binding Activity in Skeletal Muscle. Accepted for Experimental Biology Annual Meeting, April 17-21, 1999
- vi. **McClure, W.C.** and Hamilton, M.T. Physical Activity Suppresses AUF1 (hnRNP-D) Abundance and mRNA Binding Activity in Skeletal Muscle. FASEB Annual Meeting, Washington, D.C. April 17-21, 1999 Poster