**Amber MacPherson BS**

P.O. Box 365

Rollinsville, CO 80474

Cell: 502-436-5936│the.amber.macpherson@gmail.com

Research Scientist

Generating data and providing research support for academic scientific research for more than 9 years.

Lab Manager for more than 4 years.

Skilled bench scientist, lab animal technician, and administrator.

*Bench Skills:*

Western Blots Cryosectioning Immunohistochemistry Confocal Microscopy DNA Isolation

RNA Isolation PCR Cell Culture Soft Agar Assays Transfections

qPCR Filtration & pH Microtomy Protein Purification (Gel Filtration)

*Animal Technical Skills:*

Rodent Colony Management Rodent IV, SQ, & IP Injections Rodent Blood Collection

Rodent Oral Gavage Primate SQ Injections Rabbit SQ & IV Injections

Turtle Oral Gavage JCMS Training others in listed techniques

*Managerial & Administrative Skills:*

Lab Equipment Maintenance Ordering supplies Inventory Resolving ordering issues

Ensuring EH&S Compliance MS Office Suite Corel Draw Zeiss Zen Image Analysis Software

Monitoring Lab Members Writing protocols

Education

*Schools:*

The Ohio State University – Columbus, OH

 B.S. Animal Science, Minors in Life Sciences and Natural Resources, 2002

National Outdoor Leadership School – Palmer, AK

 Completed – Leadership skills, Alaska Backpacking, Leave No Trace Trainer, 2002

Salem-Teikyo University – Salem, WV

 Transferred to OSU, No degree – double major in Biology & Equine Careers, 1998

*Other Educational Experiences:*

Laboratory Volunteer, Ouliana Ziouzenkova PhD, The Ohio State University; 2009 – Vitamin A Metabolism Studies

Laboratory Volunteer, Collaborative Project, Salem-Teikyo University; 1998-99 – WV Corridor H water project

Zoological Collections Internship, Oglebay Park Good Zoo, Wheeling, WV; May – Sept. 2006

Equine Veterinary Internship, Equine Services (E.W. Parry DVM), Meadowlands, PA; June – Aug. 2000

Experience

University of Colorado, Anschutz – Aurora, CO, Professional Research Assistant & Lab Manager; Galambos Lab, Pathology, June 2017 – Current

University of Colorado, Anschutz – Aurora, CO, Senior Professional Research Assistant & Lab Manager; Siegenthaler Lab, Pediatrics, April 2015 – May 2017

University of Colorado, Anschutz – Aurora, CO, Professional Research Assistant & Lab Manager; Siegenthaler Lab, Pediatrics, Oct. 2012 – March 2015

University of Louisville- Louisville, KY, Research Technologist II; Chesney, Telang, & Clem Labs, James Brown Cancer Center, Jan. 2010 – July 2012

Crescent Hill Animal Hospital – Louisville, KY, Veterinary Technician; Richard Rabek DVM, June 2009 – Jan. 2010

The Ohio State University – Columbus, OH, Lab Animal Health Tech; ULAR, Jan. 2008 – May 2009

The Ohio State University – Columbus, OH, Lab Animal Tech 1; ULAR, Jan 2007 – Jan. 2008

Publications

Kelly, KK, MacPherson, AM, Grewal, H, Strnad, F, Jones, JW, Yu, J, Pierzchalski, K, Kane, MA Herson, PS, Siegenthaler, JA, “Col1a1+ perivascular cells in the brain are a source of retinoic acid following stroke” *BMC Neuroscience*.2016;17:49.

Bonney, S, Harrison-Uy, S, Mishra, S, MacPherson, A, Choe, Y, Li, D, Jaminet, SC, Fruttiger, M, Pleasure, SJ, and Siegenthaler, JA **“**Diverse functions of retinoic acid in brain vascular development." *Journal of Neuroscience*. July 20, 2016 – 36(29):7786-7801.