

Christopher Q Rogers; PhD, MHSc, MSMS

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EDUCATION and Degrees:

NCCAA Certification, June 2013

Nova Southeastern University, College of Health Care Sciences,
Anesthesiologist Assistant Program, Tampa, FL.
Master of Health Sciences (MHSc), August 2013.

University of South Florida, College of Medicine, Tampa, FL
C.N.I.M Electrophysiology, 2007
Ph.D. Pharmacology, 2005
M.S. Medical Sciences, 2001
B.A. Anthropology, 1996

EXPERIENCE:

University of South Florida College of Medicine, Tampa, FL
Research Scientist: Hyperbaric Biomedical Research Lab/ Laboratory of Nutrition and Metabolic
Medicine -- Department of Molecular Pharmacology & Physiology Jan. 2014-Present

- Organizing research projects in basic and clinical medicine
- Mentoring graduate students, undergrads and techs.
- Instructing graduate level classes in pharmacology and physiology
- Writing and reviewing grants and peer-reviewed scientific articles.
- Overseeing various organizational and operational issues related to efficient laboratory function.

University of South Florida College of Medicine, Tampa, FL
Post-Doctoral Research Fellow: Department of Molecular Physiology & Pharmacology, Nov.
2007-May, 2011

- Studied the molecular and cellular effects of alcoholic fatty liver disease.
- Wrote and reviewed grants and peer-reviewed scientific articles.
- Was responsible for initiating and completing applications for enhancing lab productivity through gaining increased authorization to employ advanced techniques and/or compliance issues. Successful authorizations include: radioisotopes, adenovirus, transgenic mice from extramural collaborators and advanced surgical techniques.
- Researched new technologies and equipment related to enhancing lab functionality.
- Interfaced with vendors to arrive at informed purchase decisions. From initial inquiries to final setup, I was involved in every step to ensure proper equipment selection, and orientation for all lab personnel.
- Oversaw laboratory management including: organizational, operational and strategic issues such as workflow design, information management, materials management, and contract negotiations. I effectively managed a group of post-docs, technicians and students to efficiently accomplish laboratory goals.

Biotronic, Tampa, FL and Ann Arbor, MI

Neuroelectrophysiologist, Jan. 2007- Oct. 2007

- As a Certified Neuro-Intraoperative Monitor (CNIM) I performed electrophysiological monitoring for the intra-operative neurophysiologic status of patients undergoing brain or spine surgery. Collected and interpreted patient and operative data relevant for initiating interventions in case of surgical changes potentially compromising neural pathways. Prepared and provided reports of surgeries and outcomes.
- Optimized monitoring and data collection techniques to provide excellent patient care.

Moffitt Cancer Center and Research Institute, Tampa, FL

Post-Doctoral Fellow in Molecular Oncology, Feb. 2006- Jan. 2007

- Streamlined laboratory operations to enhance efficiency through the introduction of improved methods for both performing experiments and analyzing and presenting data.
- Utilized various methods to dissect molecular pathways of chemically induced epidermal hyperplasia and pre-cancer in a mouse model with the goal of developing improvements for early detection and treatment.
- Maintained a vivarium with approximately 700 mice of nine different genotypes. Paired, weaned, culled, bred and cross-bred mice.
- President of the Moffitt Post Doctoral Association - negotiated with the faculty committee and administration to formalize career progression and enhance the professional development of postdoctoral fellows.

The RAN Institute, Tampa, FL

Clinical Pharmacology Research Consultant, 1998-2002

- Assisted in the preparation of clinical pharmacology instructional and training programs for physicians, nurses and allied health professionals.

University of South Florida College of Medicine, Tampa, FL

Graduate Student, 1997-2005

- Wrote grant proposals.
- Developed expertise in numerous molecular biology, biochemistry and physiology techniques including: DNA cloning, plasmid construction, protein expression, immunochemistry, fluorescent microscopy, PCR, ELISA, HPLC, western-blot analysis, cell and tissue culture, surgical dissection, whole-cell patch-clamp recording
- Taught undergraduate pharmacology class.
- Completed dissertation on phosphorylation of the $\alpha 4\beta 2$ nicotinic acetylcholine receptor.

Society Memberships

- American Society of Anesthesiologists, 2011 – Present
- American Academy of Anesthesiologist Assistants, 2011 – Present
- Florida Academy of Anesthesiologist Assistants, 2011 – Present
- American Association for the Advancement of Sciences, 1998-Present
- American Society of Pharmacology and Experimental Therapeutics, 1998-2005
- Society for Neuroscience, 1998-2005
- American Society for Neurochemistry, 1998-2000
- American Chemical Society, 1995-1997

Awards

- Best Chicken Wings: Inaugural Leonardo Chicken Wing Competition, Super Bowl, 2014
- Superior Presentation: USF College of Medicine Research Day, 2005
- Travel Award: AMSGS for SFN Annual Mtg., 2004
- Travel Award: U.S.F. Graduate and Professional Student Organization, 2004
- Travel Award: Am. Soc. of Pharmacology and Experimental Therapeutics, 2001
- Young Investigator Travel Award American Society for Neurochemistry, 1999
- Superior Presentation, USF College of Medicine Research Day, 1998

PUBLICATIONS:

Ari C, Murdun C, **Rogers C**, and D'Agostino D. (2015) "Elevated blood ketone levels increase the latency of induction of anesthesia in Glut 1 deficiency mouse model." In submission.

Hu M, Wang F, Li X, **Rogers CQ**, Liang X, Finck BN, Mitra MS, Zhang R, Mitchell DA and You M. (2012) "Regulation of hepatic lipin-1 by ethanol, role of AMP-activated protein kinase..." *Hepatology*

Everitt H, Hu M, Ajmo JM, **Rogers CQ**, Liang X, Zhang R, Yin H, Choi A, Bennett ES, You M. (2012) "Ethanol administration exacerbates the abnormalities in hepatic lipid..." *Am J of Phys.*

Liang X, Hu M, **Rogers CQ** Shen Z and You M. (2011) "Role of SIRT1-FoxO1 signaling in dietary..." *Antioxid Redox Signaling*.

Shen Z, Liang X, **Rogers CQ**, Rideout D, and You M. (2010), "Involvement of adiponectin-SIRT1-AMPK signaling..." *Am J Physiol GI Liver Phys.*

You M. and **Rogers CQ** (2009), "Adiponectin: a key adipokine in alcoholic fatty liver." *Exp Biol Med.*

Shen Z, Ajmo JM, **Rogers CQ**, Liang X, Le L, Murr MM, Peng Y, You M. (2009), "Role of SIRT-1 in regulation of..." *Am J. Physiol. G.I. Liver.*

Rogers CQ, Ajmo JM, You M. (2008), "Adiponectin and alcoholic..." *I.U.B.M.B.*

Ajmo JM, Liang X, **Rogers CQ**, Pennock B, You M. (2008), "Resveratrol alleviates alcoholic..." *Am J. Physiol. G.I. Liver.*

Rogers CQ, (2005). "Function of the Human $\alpha 4\beta 2$ Neuronal Nicotinic Receptor..." *Doctoral Dissertation*

Rogers CQ, Pollock V, Cuevas J, and Wecker L. (2005). "Alterations in $\alpha 4\beta 2$ Neuronal Nicotinic..." *Mol. Pharm.*

Wecker L, and **Rogers CQ**. (2003). "Phosphorylation Sites Within $\alpha 4$ Subunits..." *Neurochem. Res.* 28: 431-436.