

Carpantato (Tanta) T. Myles

2704 8th Street, Box 870127
Tuscaloosa, Alabama 35401
Phone: 205-348-5746 Fax:205-348-7189
Email: cmyles@research.ua.edu

EDUCATION

The University of Alabama at Birmingham (UAB), BS , Birmingham, Alabama Major: Biology	Troy University-Montgomery (TU), MSM , Montgomery, Alabama Major: Management	University of Alabama, EdD , Tuscaloosa, Alabama, <i>Doctoral Candidate</i> Major: Higher Education Administration
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CERTIFICATION

Certified IRB Manager (CIM), National Association of IRB Managers	Certified Six Sigma – Green Belt (CSSGB), University of Alabama	Certified IRB Professional (CIP) Council for Certification of IRB Professionals (CCIP) Public Responsibility in Medicine and Research (PRIM&R)
Export Control Specialist™ (EXCS™) E2Open Global Trade Academy	Certificate – Diversity, Equity and Inclusion in the Workplace USF Office of Corporate Training and Professional Education	

POSITIONS

Johns Hopkins University - Baltimore, Maryland

2016 – Present Adjunct Faculty - Master of Science Degree in Research Administration, Zanvyl Krieger School of Arts and Sciences
Advanced Academic Programs

The University of Alabama – Tuscaloosa, Alabama

2014 – 2015 Acting Director of Animal Care
2008 – Present Research Integrity Officer
2007- Present Director-Research Compliance, Office for Research Compliance
2005- Present Research Compliance Officer, Office for Research

The University of Alabama at Birmingham – Birmingham, Alabama

2002 - 2004 Special Assistant to VP for Research (Secondary appointment), Office of the VP for Research
2002 - 2004 Research Associate, Department of Anesthesiology
1991 - 2002 Research Assistant, Department of Anesthesiology
1990 - 1991 Instructor, Department of Biology-Anatomy Lab

Birmingham School of Massage Therapy – Birmingham, Alabama

1998 - 1999 Instructor (part-time), Physiology, Birmingham, AL

McWane Center (Red Mountain Museum), Birmingham, AL

1995 - 1998 Education Assistant (part-time),

PROFESSIONAL EXPERIENCE

Faculty – Johns Hopkins University (Master of Science Degree in Research Administration)

- An adjunct faculty member responsible for the development and instruction in the Introduction to Legal, Ethical, Regulatory, and Compliance Issues (AS.475.604) course. During this course, students examine the legal, ethical, and regulatory framework underlying most research activities in the U.S. Students discuss the trajectory of legal, ethical, regulatory, and compliance issues affecting research administration, including the role of Congress, the role of the Executive Branch of government, and the role of federal and state agencies in the issuance and auditing of compliance regulations.
- Serves as an adjunct faculty member with the Master of Science Degree in Research Administration, teaching Advanced Topics in Compliance, Legal, and Regulatory Issues (AS.475.613). During this course, topics in-depth related to the compliance issues affecting research and the laws and regulations of the federal government. The course examines and discusses critical issues and real-world applications in research compliance such as misconduct in research, adult and embryonic stem cell research, human tissue repositories, use of special populations in research, informed consent, and primates in research, vivarium issues, biosafety,

and select agents issues. The course also looks at the issues affecting high containment research and facilities, infectious diseases research, and the regulatory agencies that govern these select areas.

Administration – The University of Alabama

- Supervise administration and programs for the Office for Research Compliance.
- Responsibilities include development and administrative oversight of the following: Human Research Protection Program (HRPP), Institutional Review Board (IRB), Institutional Animal Care and Use Program (IACUC), Institutional Biosafety Committee (IBC), animal care program, conflict of interest, Responsible Conduct of Research (RCR), Scientific Misconduct and Export Control.
- Serve on the Institutional Policy Advisory and Review Committee for the Office for Research and Economic Development.
- Serves as the Research Integrity Officer (RIO) and designated official for misconduct.
- Serves as the Office for Research and Economic Development’s designated harassment official.
- Serves as the designated official for Export Control and Facility Security.
- Provide oversight of the Animal Care and Use Program.

Administration – The University of Alabama at Birmingham

- Directed and oversaw administration and operational support services/programs for the Office of VP for Research.
- Responsibilities included for the coordination of organization-wide strategic, fiscal planning, and policies/procedure development.
- Reviewed and ensured accurate and complete and timely submission of governmental, university, and other reports as required with respect to VP for Research assigned areas of responsibility.
- Administrative duties including Personnel management, grant review, compliance with grant and contract application and administration, budgeting and rebudgeting, regulatory compliance coordinator for animal and human subject research.

Lab Management and Research

- Supervised lab activities, including ordering supplies and equipment, equipment maintenance, training, giving job assignments, animal procurement, personnel management, IACUC application submissions, IRB application submissions, and safety regulation compliance.
- Trained lab assistants, research assistants, graduate students, and post-doctoral fellows to perform quantitative assays, animal surgery, and ion transport studies.

Research

- Cell Isolation and animal surgery including vein and artery cannulation in guinea pigs, mice, rabbits, and rats.
- Immunocytochemistry and histology techniques including processing and cutting paraffin embedded and frozen tissues.
- Assays, including protein, phosphate, and ELISA.
- Tissue culture maintaining primary alveolar type II, fetal airway cells, A549, H441, 3T3, and tracheocytes.
- Gene transfer techniques including *in vitro* and *in vivo* work with adenovirus, lentivirus, and adeno-associated viruses.
- Nucleic Acid isolation and purification.

MEMBERSHIP

- Council on Governmental Relations (COGR)
- National Council of University Research Administrators (NCURA)
- Member, TSU National Alumni Association
- Member, UAB National Alumni Society
- American Association for Laboratory Animal Science
- NCMS, Inc. - The Society of Industrial Security Professionals
- Federal Demonstration Project (FDP)
- Public Responsibility in Medicine and Research (PRIM&R)
- Member, National Association of IRB Managers (NAIM)
- Alabama Association of Higher Education Diversity Officers
- Society of Research Administrators (SRA)

TRAINING

- Chemical-Terrorism Vulnerability Information Authorized User
- Radiation Safety Training
- Evidence-Based Research Ethics
- PRIM&R IRB Administrator
- PRIM&R Essentials of IACUC Administration
- PRIM&R Advanced Research Ethics
- Chemical Safety Training
- Medical Waste Training
- Crucial Conversation
- Hazardous Waste Handling and Packing Training
- Avoiding Legal Hassles: Understanding Personnel Legal Issues
- Who Moved My Cheese? Change Management
- Grants I: Finding The Resources
- Grants II: Putting It All Together
- Grants III: Managing Your Ground
- NIH Technology Transfer Training
- Increasing Your Managerial Productivity
- Managing Change

ACTIVITIES AND ACHIEVEMENTS

- Council on Governmental Relations (COGR) -Research Compliance and Administration Committee (2010-2012)
- National Council of University Research Administrators (NCURA) Region III Program Committee (2012)
- Recipient - Carrie B. Burns MRGC Scholarship
- Mentor - Junior Academy of Math, Jefferson County Schools
- Mentor- UA Professional Staff Assembly(PSA)
- NCURA Region III Program Committee (2017)
- NCURA Annual Meeting Program Committee 2020
- NCURA Magazine – Contributing Editor 2019-2021
- SRA – Research Integrity Certificate Program Committee 2019-2021
- NCURA PRA Meeting Co-Chair (2022)
- Federal Demonstration Partnership (FDP) –Animal Subjects Subcommittee, Conflict of Interest Subcommittee
- National Association of IRB Managers (NAIL) – Organization Chair Succession Committee
- Leadership University – University of Alabama (Cohort I)
- Mentor- UA BFSA Freshman Mentoring Program
- NCURA - Peer Reviewer – Compliance (2016 – 2020)
- NCURA Region III PR Coordinator (2016 – 2018)
- NCURA Region III Program Committee (2018)
- NCURA Region III Senior Service Award Recipient (2019)
- NCURA Region III Program Committee (2020)
- NCURA Professional Development Committee (2019-2020)
- NCURA Presidential Task Force on Regional Assessment of Professional Development (RAPiD) (2021)

SELECTED PRESENTATIONS

1. NCURA's 53rd Annual Meeting – Concurrent Session - Disclosure of Financial Conflict of Interest: How to Get Faculty to Continuously Disclose Changes in their Status, 2011
2. NCURA FRA12 Conference – Concurrent Session – Financial Conflict of Interest: How to design a comprehensive FCOI program and get Faculty to disclose possible conflicts, 2012
3. NCURA Regions III Annual Meeting – Half-day Workshop Faculty - Financial Conflict of Interest – Ideas for implementing the new PHS COI requirements, 2012.
4. NCURA Region III Annual Meeting – Concurrent Session - COGR Update, 2012.
5. NCURA Region III Annual Meeting – Discussion Facilitator - FCOI-The Requirements have changed, so what should I do now?, 2012.
6. NCURA Pre-Award Neighborhood Podcast – Financial Conflict of Interest – 2012.
7. NCURA Pre-Award Neighborhood Podcast – Financial Conflict of Interest, Part II – 2012.
8. NCURA 7th Annual Pre-Award Conference – Concurrent Session - Financial Conflict of Interest - We Met the Deadline for PHS FCOI Regulations: Now What?, 2013.
9. NCURA 55th Annual Meeting – Concurrent Session - Reducing Regulatory Burden in Your Animal Care and Use Program, 2013.
10. NCURA Region III Annual Meeting – Half-Day Workshop - Research Compliance – How to Establish a Comprehensive Program, 2013.
11. NCURA Region II&III Joint Meeting – Half-day Workshop Faculty - Compliance Overview - What you need to know about research compliance, 2014.
12. SRA International Alabama Chapter Meeting – Concurrent Session – Hot Topics in Export Control, 2014.
13. NCURA Annual Pre-Award Conference – Concurrent Session - Developing a Research Compliance Training Program, 2015.
14. NCURA Region III Annual Meeting - Discussion Facilitator - Compliance Programs and the Mitigation of Risk for Organizational Leaders, 2015.
15. NCURA Region III Annual Meeting – Half-Day Workshop - The 5 Ws and 1 H of Research Compliance, 2016.
16. NCURA Region III Annual Meeting - Research Misconduct: How to Minimize or Avoid it?, 2016.
17. SRA Alabama – Mississippi Chapter Meeting – The Essentials of Export Controls, 2016.
18. NCURA Region III Annual Meeting – Half-Day Workshop – Research Compliance Basic, 2017.
19. NCURA Region III Annual Meeting – Concurrent Session -Addressing Noncompliance and Misconduct in a Positive Way, 2017.
20. SRA Alabama – Mississippi Chapter Meeting – Revised Common Rule: What a long strange trip it has been, 2017.
21. NCURA Region III Annual Meeting – Half-Day Workshop – The Essentials of Research Compliance, 2017.
22. NCURA Region III Annual Meeting – Concurrent Session -Complying with the Revised Common Rule Consent Requirements: Understanding How the Updates Affect Research Practice and IRB Review, 2018.
23. NCURA Region III Annual Meeting – Concurrent Session - The Good, the Bad and the Ugly: The Revised Common Rule, Misunderstandings and Implementation, 2018.
24. SRA Midwest/Southern Conference – Concurrent Session – Export Control, Beyond the Basics, 2018.
25. NCURA Pre-Award Research Administration Conference – Concurrent Session - Research Compliance & Research Administrators: Friends or Frenemies; Working together to develop key strategies for increased research capacity, 2020.
26. NCURA's 62nd Annual Meeting – Discussion Session - Managing Research Operations through Technologies, 2020.

PUBLICATIONS

Magazine Articles

1. **Myles, C.** Communication Strategies for Compliance: You told them about the rule but did they understand? NCURA Magazine, 52 (2), 8, March/April 2020.

2. **Myles, C**, Rodenburg, C. Leading Through a Crisis: The Power Within You. *NCURA Magazine*, 52(3), 6, June 2020.
3. **Myles, C**. 2020 Compliance Year in Review: What Did We Learn? *NCURA Magazine*, 52(6), 53, December 2020.
4. **Myles, C**. Celebrating All Wins Together: Motivating the Research Compliance Team, *NCURA Magazine*, 53(2), 14, March/April 2021.

Reviewed Articles

1. Cifuentes J, Joaquin RO, **Myles C**, Nieves B, Carlo WA, and Matalon S. Interaction of surfactant mixtures with reactive oxygen and nitrogen species. *J Appl Physiol*, 78(5): 1800-1805, 1995.
2. Matalon S, DeMarco V, Haddad IY, **Myles C**, Skimming JW, Schurch S, Cheng S, and Cassin S. Inhaled nitric oxide injures the pulmonary surfactant system of lambs *in vivo*. *Am J Physiol* 270(Lung Cell Mol Physiol 14):L273-L280, 1996.
3. Sittipunt C, Steinberg KP, Ruzinski JT, **Myles C**, Zhu S, Goodman RB, Hudson LD, Matalon S and Martin TR. Nitric oxide and nitrotyrosine in the lungs of patients with Acute Respiratory Distress Syndrome. *American Journal of Respiratory and Critical Care Medicine*, 163:503-510, 2001 (Accompanied by editorial).
4. Lazrak A, Thome U, **Myles C**, Ware J, Chen L, Venglarik C and Matalon S. cAmp Regulation of Cl⁻ and HCO₃ Secretion Across Rat Fetal Distal Lung Epithelial Cells. *Am.J. Physiol Lung Cell Mol. Physiol*, 282(4):L650-L658, 2002.
5. **Myles, C**, Sorscher E, Matalon S, Enhancement of adenovirus-mediated gene transfer in lungs and epithelial cells by EGTA. *Chest*, 2002 Mar;121(3 Suppl):35S
6. Hardiman KM, McNicholas-Bevensee CM, Fortenberry J, **Myles CT**, Malik B,. Eaton DC, and Matalon S. Regulation of amiloride-sensitive Na⁺ transport by basal nitric oxide. *Am J Respir Crit Care Med* 2003.
7. Hall Nina G., Liu Y., Hickman-Davis JM, Davis GC, **Myles C.**, Andrews EJ, Matalon S., and Lang JD. Bactericidal Function of Alveolar Macrophages in Mechanically Ventilated Rabbits. *American Journal of Respiratory Cell and Molecular Biology*, 2006.

Abstracts

1. Czopf L, **Myles CT**, and Matalon S. Fluorescent labeling does not affect the minimum surface tension of surfactant mixtures. *FASEB J* 6(4):A1269, 1992.
2. Matalon S, **Myles C**, Ischiropoulos H, Haddad I, Beckman JS, and Holm BA. Peroxynitrite inhibition of surface activity of surfactant mixtures. *Am Rev Respir Dis* 147(4):A930, 1993.
3. Logan J, DuVall M, Bebok Z, Wheeler CJ, Dong J-Y, **Myles C**, Peng S, Felgner PL, Frizzell RA, Matalon S, and Sorscher EJ. Cationic lipid mediated gene transfer to mammalian respiratory epithelium. North American Cystic Fibrosis Conference, Dallas, TX, 1993.
4. Logan J, DuVall M, Bebok Z, Dong J, Howard M, **Myles C**, Peng S, Wheeler C, Felgner P, Frizzell R, Matalon S, and Sorscher E. *In vivo* and *in vitro* gene transfer to mammalian respiratory epithelium mediated by cationic liposomes. *Am J Respir and Crit Care Med* Vol. 149(4):A674, 1994.
5. Johnson C, **Myles C**, Matalon S, and Jackson R. Na⁺-K⁺-ATPase subunit mRNA expression in rat lung during adaptive and lethal hyperoxia. *Am J Respir and Crit Care Med* Vol 153(4):A, 1996.
6. Samanta A, Lazrak A, Jackson R, **Myles C**, and Matalon S. Differential regulation of epithelial Na⁺ channel (EnaC) genes by dexamethasone in alveolar type II (ATII) cells. *FASEB J* 13(5):A789, 1999.
7. **Myles C**, Zhang M, Kappes JC, Sorscher E and Matalon S. Augmentation of adenovirus and lentivirus mediated gene transfer in lungs and epithelial cells by EGTA. *Pediatric Pulmonology*, Sup. 20, 240:p 240, 2000.
8. **Myles C**, Sorscher E, and Matalon S. Augmentation of Adenovirus Mediated Gene Transfer in Epithelial Cells by Calcium Chelation. *FASEB J* 14, 2000.
9. **Myles C**, Sorscher E and Matalon S. Enhancement of Adenovirus Mediated Gene Transfer in Lungs and Epithelial Cells by EGTA. *CHEST*, 2001.

10. Hall NG, Hickman-Davis JM, Davis GC, Liu Y, **Myles C**, Matalon S. Bactericidal Function of Alveolar Macrophages in Mechanically Ventilated Rabbits. Proceedings of the American Thoracic Society, Vol 2: A490, 2005.