BRANDON Franklin

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Thomas Hunt Morgan School of Biological Sciences

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I am a second year doctoral student in biology. My research is focused on in vivo dynamics of stem cells during wound healing and tissue-regeneration. Particularly, I am interested in how resident stem cells can recognize endogenous ion currents created by epithelial disruption and migrate along them to the wounded area.

EDUCATION

University of Kentucky

Lexington, KY

Ph.D. in Biology 2011-present

University of Kentucky

Lexington, KY

B.S. in Biology 2011

Undergraduate research: role of adrenergic receptors in renal function

Bluegrass Community and Technical College

Lexington, KY

A.S. in Polysomnograpic Technology 2008

Top of Class

AWARDS

Ribble Research Fellowship **January 2010 – December 2010**

TEACHING EXPERIENCE

* **University of Kentucky**

Teaching assistant to Professor Jeff Osborn for BIO 350 Spring 2012-present

University of Kentucky

Lead instructor for two sections of this upper level biology lab

**Teaching assistant to Andy Bouwma-Gearhart for BIO 155 Fall 2011-present**

Lead instructor for two section of this introductory biology lab

* **Bluegrass Community and Technical College**

Instructor PSG 135 Spring 2012

Coordinate the second semester clinical rotations for the students of the BCTC polysomnographic technologist program at various hospitals around the state.

Instructor PSG 115 Fall 2011

Get students ready for and coordinate the first semester clinical rotations for the students of the BCTC polysomnographic technologist program at various hospitals around the state.

RELATED EXPERIENCE

* **Research Mentor for Undergraduates August 2011 – Present**
  + Alex Morris 2012-
  + Katherine Carter 2011-2012
  + Greg Todd 2011-2012
* **University of Kentucky-Department of Biology**

Lexington, KY

Graduate Teaching Assistant August 2011 – Present

Assist various faculty members in the planning, instruction and grading of a variety of undergraduate courses.

* **Bluegrass Community and Technical College-Polysomnography Program**

Lexington, KY

Clinical Coordinator/Part-Time Faculty August 2011 – Present

Prepare students for and coordinate clinical rotations in various hospital and stand-alone sleep labs.

* **Central Baptist Hospital**

Lexington, KY

Sleep Lab Technologist 2008-2011

Primary responsibilities were: patient education involving night time polysomnography test, CPAP titration and home use of CPAP/BiPAP therapy; patient hookup, monitoring, and scoring of night time polysomnography and titration studies. I also acted as a technical instructor for students from the polysomnography program at BCTC.

* **University of Kentucky-Transplant Center**

Lexington, KY

Research Assistant 2007-2008

Monitor post-transplant patients that were enrolled in our research studies for drug changes and side effects and report any of these to the drug companies sponsoring each specific study.

PUBLICATIONS AND Presentations

* **Experimental Biology April 2012**

Modulation of stem cell recruitment and proliferation via bi-phasic electrical stimulation in vivo, Brandon M. Franklin, Gregory R. Todd, Jason A. Collett, Jeffrey L. Osborn. *Thomas Hunt Morgan School of Biological Sciences, University of Kentucky, Lexington, KY 40506*

* **University of Kentucky Undergraduate Showcase April 2010**

Hypertension, Diabetes and Their Relation to Obstructive Sleep Apnea, Brandon M. Franklin, Jason A. Collett , Alexander Tzouanakis and Jeffrey L. Osborn. *Department of Biology, 101 Thomas Hunt Morgan, University of Kentucky, Lexington, KY 40506*

MEMBERSHIPS

The American Physiological Society

The Kentucky Academy of Sciences

Registered Polysomnographic Technologist

Kentucky Sleep Society