**Larissa J. Strath, PhD.**

*Phenotyping and Assessment in Neuroscience (PAIN) Laboratory*

1329 SW 16th St, Suite #5180, Gainesville, FL 32608

**Cell Phone:** (334) 221-9548 **Lab Phone:** (352) 273-6800 **Email:** lstrath@dental.ufl.edu

*Nationality: Canadian*

*Pronouns: She, her, hers*

***EDUCATION***

**­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Ph.D. 2021. *Major: Behavioral Neuroscience*. The University of Alabama at Birmingham, Birmingham, Alabama, USA.

B.Sc. 2016. *Major: Biology: Pre-Medicine/Dentistry, Minor: Chemistry*

GPA 3.92. Faulkner University, Montgomery, Alabama, USA.

***RESEARCH EXPERIENCE***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2021-Present Post-Doctoral Fellow. *Phenotyping and Assessment in Neuroscience (PAIN) Laboratory.*

Mentor: Dr. Yenisel Cruz-Almeida. The University of Florida, College of Dentistry, Department of Community Dentistry and Behavioral Science. Gainesville, FL, USA.

2017-2021 Graduate Research Assistant, *Bio-behavioral Pain Lab.*

Mentor: Dr. Burel Goodin. The University of Alabama at Birmingham, College of Arts and Sciences, Department of Psychology. Birmingham AL, USA.

2016-2021 Graduate Research Assistant, *Immune Modulation of Pain and Addiction for Comprehensive Therapeutics (IMPACT)* Lab.

Mentor: Dr. Robert E. Sorge. The University of Alabama at Birmingham, College of Arts and Sciences, Department of Psychology. Birmingham AL, USA.

2017-2019 Graduate Research Assistant, *The Neuroinflammation, Pain and Fatigue Lab*.

Mentor: Dr. Jarred Younger. The University of Alabama at Birmingham, College of Arts and Sciences, Department of Psychology. Birmingham AL, USA.

2015-2016 Undergraduate Research Assistant.

Mentor: Dr. Uduak Afangideh. Faulkner University Department of Sciences, Montgomery, AL USA.

***PUBLICATIONS***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Published/Accepted* *(\*Indicates Co-first authorship)***

1. **Strath, L.J.,** Brooks, M.S., Sorge, R.E., & Judd, S.E. “The Relationship Between Diet and Relative Risk of Pain in a Cross-Sectional Analysis of the REGARDS Longitudinal Study”. [Accepted July 2021 to Pain Management].
2. **Strath, L.J.**, Totsch, S.K., Quinn, T.L., McMeekin, L.J., Cowell, R.M., Gower, B.A., & Sorge, R.E. “The effect of the Standard American Diet on Iba-1 immunoreactivity in the spinal cord before and after peripheral inflammatory injury in rats”. [Accepted June 2021 to PharmaNutrition].
3. Kaushik, A., **Strath, L.J.,** & Sorge, R.E. Dietary Interventions for Treatment of Chronic Pain: Oxidative Stress and Inflammation”. (2020). *Pain and Therapy.* 2,487-498. doi: 10.1007/s40122-020-00200-5.
4. **Strath L.J.,** Sorge R.E., Owens M.A., Gonzalez C.E., Okunbor J.I., White D.M., Merlin J.S., Goodin B.R. (2020). Sex and Gender are Not the Same: Why Identity Is Important for People Living with HIV and Chronic Pain. *J Pain Res*., *13,* 829-835. doi: <https://doi.org/10.2147/JPR.S248424>
5. Sorge, R.E. & **Strath, L.J**. (2019). Sex Differences in Pain. *Practical Pain Management.* <https://www.practicalpainmanagement.com/resources/practice-management/guest-editorial-sex-differences-pain>
6. **Strath, L.J.,** Jones, C.D., George, A.P, Lukens, S.L., Morrison, S.A, Soleymani, T., Locher, J.L., Gower, B.A., Sorge, R.E. (2019). The Effect of Low-Carbohydrate and Low-Fat Diets on Pain in Individuals with Knee Osteoarthritis. *Pain Medicine*. doi:10.1093/pm/pnz022
7. Sorge, R. E., & **Strath, L. J.** (2018). Sex differences in pain responses. *Current Opinion in Physiology, 6*, 75-81. doi:<https://doi.org/10.1016/j.cophys.2018.05.006>
8. Goodin, B. R., Owens, M. A., White, D. M., **Strath, L. J.,** Gonzalez, C., Rainey, R. L., Okunbor, J.I., Heath, S.L., Turan, J.M., Merlin, J. S. (2018). Intersectional health-related stigma in persons living with HIV and chronic pain: implications for depressive symptoms. *AIDS Care, 30*, 66-73. doi: <https://doi.org/10.1080/09540121.2018.1468012>
9. Totsch, S. K., Quinn, T. L., **Strath, L. J.,** McMeekin, L. J., Cowell, R. M., Gower, B. A., & Sorge, R. E. (2017). The impact of the Standard American Diet in rats: Effects on behavior, physiology and recovery from inflammatory injury. *Scand J Pain, 17*, 316-324. doi:10.1016/j.sjpain.2017.08.009

***In Process* *(\*Indicates Co-first authorship)***

1. **Strath, L.J**. & Sorge, R.E. “Pain, Nutrition and Oxidative Stress”. [Submitted August 2021].
2. **Strath, L**.J., Sims, A., Overstreet, D.S., Penn, T., Bakshi, R.J., Stansel, B.K., Quinn, T.L., Sorge, R.E., Long, D.L., and Goodin, B.R. “Sex, But Not Race, Moderates the Relationship Between Dietary Inflammatory Index and Movement-Evoked Pain Outcomes in a Community Based Sample”. [Submitted August 2021].
3. Overstreet, D.S.\*, **Strath, L.J.\*,** Sorge, R.E., and Goodin, B.R. “Racial Differences in Vitamin D and Pain Severity in Adults Living with Non-Specific Chronic Low Back Pain”. [In process].
4. **Strath, L.J.,** Vann, J.S., and Sorge, R,E. The implementation and results of the Cooking Well health equity initiative. [In process].
5. **Strath, L.J.,** and Vann, J.S. “Cooking Well Nutrition Education Curriculum”. [In process].

***ORAL PRESENTATIONS***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2021 “Cooking Well Basics: Healthy habits, Carbs, Fats, Protien and Vitamins and Minerals”. West Yavapai Guidance Clinic. Prescott Valley, AZ. 05.30.2021 – present.

“Back to School Nutrition for Children and Adolescents”. Birmingham Bible Church Annual Back to School Conference. Birmingham, AL. 07.31.2021

“A Man and His Nutrition”. Birmingham Bible Church Annual Men’s Conference. Birmingham, AL. 06.16.2021

“The Mediterranean Diet”. Birmingham Bible Church Winning Wednedsay’s Seminar. Birmingham, AL. 05.23.2021.

“Food Insecurity”. Grade 4/5 Elementary Classes at Johnson Street Public School. Barrie, Ontario, Canada. 04.28.2021.

“Brain Food”. Birmingham Bible Church Children’s Ministry. Birmingham, AL. 04.28.2021.

“Healthy Eating Habits”. Birmingham Bible Church Children’s Ministry. Birmingham, AL. 04.22.2021.

“A Woman and Her Nutrition”. Birmingham Bible Church Winning Wednedsay’s Seminar. Birmingham, AL. 03.31.2021.

“Brain Food”. Brain Awareness Week at the McWane Science Center. Birmingham, AL. 03.23.2021.

“Vitamins, Minerals and Antioxidants”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2021.

“Carbohydrates”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2021.

“Protein”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2021.

“Fats”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2021.

2020 “Research and Experimental Design”; Undergraduate Lecture Class, The University of Alabama at Birmingham, Birmingham AL. 2.3.2020.

“Vitamins, Minerals and Antioxidants”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2020.

“Carbohydrates”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2020.

2019 “Research and Experimental Design”; Undergraduate Lecture Class, The University of Alabama at Birmingham, Birmingham AL. 2.4.2019.

“Carbohydrates”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2019.

“Protein”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2019.

“Fats”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2019.

“Vitamins, Minerals and Antioxidants”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Spring 2019.

“Diet and Pain”; Pain Talks, Trussville Public Library, Trussville AL. 05.21.2019.

“Immune Related Effects of the Standard American Diet in Rodents”; National Enhancement of Underrepresented Academic Leaders (NEURAL) Conference, The University of Alabama at Birmingham, Birmingham, AL. 06.20.2019.

“Diet, Pain, and the Immune System”. North American Pain School, Montebello, QB. 06.24-28.2019.

“Diet and Pain”. Pain Talks, Homewood Public Library, Homewood, AL. 09.12.2019.

“Carbohydrates”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Fall 2019.

“Protein”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Fall 2019.

“Fats”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Fall 2019.

“Vitamins, Minerals and Antioxidants”. Cooking Well Lecture, Cooking Well Inc., Birmingham, AL. Fall 2019.

2018 “Animal Handling”; Undergraduate Lecture Class, The University of Alabama at Birmingham. “Research Methods”. 01.19.2018.

“Post Graduate Studies and Preparation”. Faulkner University Alumni Weekend, Faulkner University, Montgomery AL. 2.10.18.

“Diet and Chronic Pain”; 21st Century Pain Solutions Podcast Hosted by Dr. Wayne Phimister. 12.12.2018.

2017 “Post Graduate Studies and Preparation”. Faulkner University Alumni Weekend, Faulkner University, Montgomery AL. 2.17.17.

“Cell Signaling”. Brain, Mind and Behavior Undergraduate Lecture Class, The University of Alabama at Birmingham. 9.12-14.17.

“Motor Systems”. Brain, Mind and Behavior Undergraduate Lecture Class, The University of Alabama at Birmingham. 10.10.17.

2016 “Cranberries and Kale: Do They Really Aid in Immunity?”. Alpha Chi National College Honor Society Convention, Washington, D.C.04.05-07.2016

***CONFERENCE ABSTRACTS/POSTERS (\*Indicates presenting author)***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Rahm J. Bakshi\*, Brooke K. Stansel\*, **Larissa J. Strath\*,** Robert E. Sorge, & Burel R. Goodin. Dietary Carbohydrate Intake is Associated with Pain Sensitivity in Individuals with Chronic Low Back Pain. *United States Association for the Study of Pain (USASP) Inaugural Conference.* Virtual Conference. 12.09-11.2020.
2. **Larissa J. Strath\*,** Stacie K. Totsch, Alan P. George, Shannon L. Lukens, Remy Y. Meir, Racheal M. Orlandella, Lyse A. Norian, & Robert E. Sorge. Immune Related Effects of the Standard American Diet in Rodents. *National Enhancement of Underrepresented Academic Leaders (NEURAL) Conference.* Birmingham, AL, USA. 06.19-21.2019.
3. **Larissa J. Strath\*,** Stacie K. Totsch, Alan P. George, Shannon L. Lukens, Remy Y. Meir, Racheal M. Orlandella, Lyse A. Norian, & Robert E. Sorge. Immune Related Effects of the Standard American Diet in Rodents. *The American Pain Society Annual Meeting*. Milwaukee, WI, USA. 04.03-07.2019.
4. Levi W. Parker\*, **Larissa J. Strath,** Luke Parkitny & Jarred Younger. Immune Response to LPS in Individuals With and Without Fibromyalgia. *Undergraduate Research Expo (Fall) at the University of Alabama at Birmingham.* Birmingham AL, USA. 12.06.2018
5. **Larissa J. Strath\*,** Catherine D. Jones, Alan P. George, Shannon L. Lukens, Barbara J. Gower, Shannon Morrison, Taraneh Soleymani & Robert E. Sorge. Potential Sex Differences in the Efficacy of a Low-Carbohydrate Diet to Reduce Pain in Adults with Knee Osteoarthritis. *Comprehensive Neuroscience Conference.*Birmingham, AL, USA. 10.18.2018.
6. **Larissa J. Strath\*,** Catherine D. Jones, Alan P. George, Shannon L. Lukens, Barbara J. Gower, Shannon Morrison, Taraneh Soleymani & Robert E. Sorge. Potential Sex Differences in the Efficacy of a Low-Carbohydrate Diet to Reduce Pain in Adults with Knee Osteoarthritis. *IASP World Congress on Pain.*Boston, MA, USA. 09.12-16.2018.
7. **Larissa J. Strath\*,** Catherine D. Jones, Alan P. George, Shannon L. Lukens, Barbara J. Gower, Shannon Morrison, Taraneh Soleymani & Robert E. Sorge. National Enhancement of Underrepresented Academic Leaders (NEURAL) Conference. Birmingham, AL, USA. 06.20-22-2018.
8. Shannon L. Lukens\*, **Larissa J. Strath**, Catherine D. Jones, Alan P. George, Shannon Morrison, Taraneh Soleymani, Barbara A. Gower & Robert E. Sorge. Dietary Interventions in Older Adults with Knee Osteoarthritis: Effects on Pain, Inflammation and Oxidative Stress. *Undergraduate Research Expo (Spring) at The University of Alabama at Birmingham.* Birmingham, AL, USA. 04.13.2018.
9. Anooshah E. Ata\*, Micheal A. Owens, Dyan M. White, **Larissa J. Strath,** Sonya L. Heath, Janet M. Turan, Jessica S. Merlin, and Burel R. Goodin.Circulating levels of pro-inflammatory cytokines are associated with increased oain sensitivity and greater clinical pain severity in people living with HIV (PLWH) and chronic pain. *American Medical School Conference.* Boston, MA, USA. 11.3-7.2018.
10. Micheal A. Owens\*, Dyan M. White, **Larissa J. Strath,** Anooshah E. Ata, Sonya L. Heath, Janet M. Turan, Jessica S. Merlin, and Burel R. Goodin. Intersectional Health-Related Stigma in Persons Living With HIV and Chronic Pain: Implications for Depressive Symptoms. *AIDSImpact 2017 Conference.* Cape Town, South Africa. 11.13-15.17.
11. **Larissa J. Strath\***. Cranberries and Kale; Do They Really Aid in Immunity? *Alpha Chi National College Honor Society Annual Convention*, Washington, D.C. 4.10.16.
12. **Larissa J. Strath\***. Cranberries and Kale; Do They Really Aid in Immunity? *The Alabama Academy of Arts and Sciences Annual Convention*, The University of North Alabama, Florence, AL. 2.18.16.

***MENTORSHIP***

|  |  |  |
| --- | --- | --- |
| Alan George | UAB Undergraduate Neuroscience Program | 2016-2019 |
| Shannon Lukens | UAB Sci-Tech Honors Program | 2016-2019 |
| Xiola Davis | UAB Psychology Honors Program | 2017-2018 |
| Perrin Webb | UAB Undergraduate Neuroscience Program | 2018 |
| Ashish Kaushik | UAB Undergraduate Neuroscience Program | 2019-2020 |
| Rahm Bakshi | UAB Undergraduate Neuroscience Program | 2020-2021 |
| Brooke Stansel | UAB Sci-Tech Honors Program | 2020-2021 |
| Asia Wiggins | UAB Behavioral Neuroscience Doctoral Program | 2020-Present |
| Kanisa Davidson | UAB Behavioral Neuroscience Doctoral Program | 2020-Present |
| *Community Nutrition Rotation, Dietetic Internship*  *Partnership with Cooking Well & Samford University* | |  |
| Morgan Peach | Samford Nutrition and Dietetics Master’s Program | 2021 |
| Samantha Brandt | Samford Nutrition and Dietetics Undergraduate Program | 2019-2021 |
| Carly Collins | Samford Nutrition and Dietetics Undergraduate Program | 2019-2020 |
| Kayla Tyrell | Samford Nutrition and Dietetics Undergraduate Program | 2019-2020 |
| Jenna Mabry | Samford Nutrition and Dietetics Master’s Program | 2019 |
| Caitlin McGinnis | Samford Nutrition and Dietetics Master’s Program | 2019 |
| Bryce Thornton | Samford Nutrition and Dietetics Master’s Program | 2019 |
| Victoria Ward | Samford Nutrition and Dietetics Master’s Program | 2019 |
| Ali Walker | Samford Nutrition and Dietetics Master’s Program | 2019 |
| Rohini Patel | Samford Nutrition and Dietetics Master’s Program | 2019 |

***FUNDING***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2019-2020 Albert Schweitzer Foundation $2500

2016- Present UAB Psychology Department Academic Scholarship Tuition, Fees, $22 000/year living stipend

***AWARDS AND HONOURS***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2021 Gregg Steele Outstanding Graduate Student in Behavioral Neuroscience

2019 Center for the Integration of Research, Teaching and Learning (CIRTL) Associate Certificate

2019 Albert Schweitzer Foundation Fellowship Award Recipient

2019 North American Pain School (NAPS) Trainee and Graduate

2019 National Enhancement of Underrepresented Academic Leaders (NEURAL) Conference Oral Presentation Award

2019 National Enhancement of Underrepresented Academic Leaders (NEURAL) “Shark Tank” Award

2018 Graduate Student Government Travel Award

2018 IASP Special Interest Group: Sex, Gender and Pain Poster Award

2017 Psi Chi International Honor Society for Psychology Induction/Membership

2016 “Who’s Who Among Students in American Universities and Colleges” Award of Excellence Representing Faulkner University

2015-2016 Team Captain, Faulkner University Women’s Soccer

2015 Alpha Chi National College Honor Society Induction/Membership

2015 Sigma Tau Delta International English Honor Society Induction/Membership

2015 Chi Alpha Sigma National College Athlete Honor Society Induction/Membership

2014-2016 Scholar Athlete, National Association for Intercollegiate Athletics (NAIA)

2012-2016 Athletic Scholarship (Women’s Soccer), Faulkner University

2012-2016 All-Academic Team, National Association for Intercollegiate Athletics (NAIA)

***SERVICE AND LEADERSHIP***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2019-2021 Behavioral Neuroscience Student Representative

2019-2021 Brain Awareness Week Coordinator

2019-2020 Birmingham 10k Running Ambassador

Aug 2019 Roadmap Scholars Program Recruitment Volunteer at Graduate Resources Fair

2019-Present National Enhancement of Underrepresented Academic Leaders (NEURAL) Roadmap Scholars Program Service and Outreach Coordinator

2018-Present Behavioral Science Researcher, Cooking Well Inc., Birmingham AL, USA

2018-Present Nutrition and Culinary Educator, Cooking Well Inc., Birmingham AL, USA

2018-2021 Member of the PAINCollective Society at UAB, Birmingham, AL USA

Mar 2018 Brain Awareness Week “Perceptions” and “Dissections” Leader at the McWane Science Center in collaboration with UAB, Birmingham, AL USA

Dec 2017 Christmas Toy Drive Volunteer, Church of the Highlands, Birmingham AL USA

2017-2021 Member of the NINDS Roadmap Scholars Program, Birmingham, AL USA

Apr 2017 Judge at UAB’s “Ost Undergraduate Research Competition”, Birmingham AL USA

Mar 2017 Brain Awareness Week “Perceptions” Leader at the McWane Science Center in collaboration with UAB, Birmingham AL USA

2014-2016 Math Teacher at Mtendere Village, Malawi, Africa

2014-2016 Primary Anatomy and Physiology I & II and General Chemistry I & II Tutor for the Department of Natural and Physical Sciences, Faulkner University, Montgomery AL USA

2012-2016 Soccer Coach for Innisdale Secondary School, Barrie ON Canada

2012-2016 Inner City School Tutor/Volunteer with Faulkner Women’s Soccer, Montgomery, AL USA

***PROFESSIONAL AFFILIATIONS***

­­­­­­­**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2021-Present Pain Research and Intervention Center of Excellence (PRICE) at the University of Florida

2020-Present The United States Association for the Study of Pain (USASP)

2018- 2019 The American Pain Society (APS)

2018-Present PAINCollective at the University of Alabama at Birmingham

2018-Present Cooking Well Inc. 501(c)3

2017-Present International Association for the Study of Pain (IASP)

2017-Present Psi Chi International Honor Society for Psychology

2017-2021 Center for the Integration of Research, Teaching and Learning (CIRTL)

2016-2021 The University of Alabama at Birmingham, Department of Psychology

2015-Present Alpha Chi National College Honor Society, Alabama Zeta Chapter

2015-Present Sigma Tau Delta International English Honor Society, Alpha Iota Alpha Chapter

2015-Present Chi Alpha Sigma National College Athlete Honor Society

***EMPLOYMENT HISTORY***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2013-2016 Anatomy and Chemistry Tutor. Faulkner University, Montgomery, AL USA.

2008-2016 Store Manager and Sales Associate. M&M Food Market, Barrie, ON, Canada.

***QUALIFICATIONS AND SKILLS***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**•** Rodent Pain Behavior Assays: Hot plate, von Frey test, grimace scale • Rodent husbandry **•** Rodent surgery: destabilization of the medial meniscus (DMM), Sciatic nerve ligation • Rodent injections • Condition place preference (CPP) • Immunohistochemistry (IHC) • Western Blots • Enzyme-linked immunosorbent assay (ELISA) • Quantitative Sensory Testing (QST): Heat pain, cold pain, pressure pain, conditioned pain modulation, punctate stimulation • Functional pain assays: Timed walk, chair stands • Nutritional Analysis using various nutrition software • Nutrition and diet development and implementation • Culinary expertise • Statistical analysis • Manuscript preparation and drafting • Problem Analysis & problem solving • Interpersonal and leadership skills • Project Management, organization and implementation • Research and information management • Self-management, independence and initiative • Written and oral communication skills for scientists and non-scientists • Teaching • Curriculum development

***REFERENCES***

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Dr. Robert Sorge, PhD.**

Associate Professor

College of Arts and Sciences**,** Department of Psychology

Director, PAIN Collective

Co-Director, Undergraduate Neuroscience Program

The University of Alabama at Birmingham (UAB)

1300 University Blvd., Campbell Hall 415, Birmingham, AL 35294

P: (205) 934-8563

E: [rsorge@uab.edu](mailto:rsorge@uab.edu)

Pronouns: He, him, his

**Dr. Burel Goodin, PhD.**

Associate Professor

College of Arts and Sciences, Department of Psychology

Director, Biobehavioral Pain Research Laboratory

Co-Director, Center for Addiction and Pain Prevention and Intervention (CAPPI)

University of Alabama at Birmingham (UAB)  
1300 University Blvd., Campbell Hall 237E, Birmingham, AL 35294

P: (205) 934-6536  
E: [bgoodin1@uab.edu](mailto:bgoodin1@uab.edu)  
Pronouns: He, him, his

**Dr. Christianne Strang, PhD, ATR-BC.**

Assistant Professor

College of Arts and Sciences, Department of Psychology

University of Alabama at Birmingham (UAB)  
1300 University Blvd., Campbell Hall 238, Birmingham, AL 35294

P: (205) 975-7222

E: [cstrang@uab.edu](mailto:cstrang@uab.edu)

Pronouns: She, her, hers

**Dr. David Knight**

Professor

College of Arts and Sciences, Department of Psychology

Director, Behavioral Neuroscience Doctoral Program

University of Alabama at Birmingham (UAB)  
1719 6th Ave S., CIRC 235H, Birmingham, AL 35294

P: (205) 996-6344

E: [knightdc@uab.edu](mailto:knightdc@uab.edu)

Pronouns: He, him, his

**Judy Vann**

Founder and Director, Cooking Well Inc. 501(c)3

3600 3rd Ave S, Birmingham, AL 35222

P: (205) 563-6203

E: [judy@csmission.org](mailto:judy@csmission.org)

Pronouns: She, her, hers