

GOURI BABU AMBILY, M.A
1130 W Michigan St, Indianapolis, IN 46202
+19048441675 | gouriambily2205@gmail.com

EDUCATION

Master of Arts in General Psychology, SUNY Buffalo, Buffalo, NY Project: <i>Cognitive Impairment in Multiple Sclerosis: The Role of Depression</i> Advisor: David Shucard, PhD, FAASM, FAPA	02/2021 - 06/2022
Bachelor of Science in Biotechnology, Amrita University, India Thesis: <i>Decoding Motor Behavior Biosignatures of Arm Movement Tasks using Electroencephalography</i> Advisor: Shyam Diwakar, PhD	07/2017 - 07/2020

RESEARCH EXPERIENCE

Clinical Research Specialist , Department of Obstetrics & Gynecology Clinical Research Assistant , Department of Obstetrics & Gynecology Indiana University School of Medicine, Indianapolis, IN PI: David M Haas, MD	08/2024 – Present 10/2022 - 07/2024
• Prepare and assist the regulatory team with IRB submission, including reporting adverse events and archival following the study protocol • Conduct quality checks based on data cleaning reports from the research committee to resolve discrepancies and ensure the accuracy of biospecimen documentation in adherence to the study protocol • Serve on interview panels for junior staff positions, contributing to candidate evaluations, and hiring decisions • Screen, schedule, recruit, and track participants from Coleman Women’s Center and Eskenazi Health and collect, process, and ship biospecimens to Indiana Biobank. • Supervise and support research assistants and technicians daily on research tasks and protocol adherence • Contribute to the development and implementation of strategies that strengthen study progress by presenting data-driven recommendations that address operational challenges and improve team efficiency • Create and maintain reports in different databases for participant tracking and monitoring survey responses for payment distributions • Manage proper documentation of Case Report Forms, regulatory documents, and PI notes with quality and accuracy, and assist with the development of protocol for the Phase II study as directed • Manage participant compensation with the business manager to ensure proper financial routing for the studies, and maintain proper documentation of payments for audit and reporting purposes • Recruited 505 pregnant individuals for an herbicide exposure study and collected 60 saliva samples from newborns at Riley Children’s Hospital in adherence with the assigned protocol and following good clinical practices • Recruited 22 pregnant women and analyzed blood samples for a Roche Diagnostics-sponsored study on preeclampsia	
Research Assistant , Cardiovascular Behavioral Medicine Lab Indiana University School of Science, Indianapolis, IN PI: Jesse Stewart, PhD	03/2023 - Present
• Recruit participants for the Strengthening Hearts by Addressing DisruptEd Sleep (SHADES) mechanistic trial from Eskenazi Health (low-income primary care clinics) • Administer Insomnia Severity Index on participants above the age of 40 years, and screen for suicidal ideation using validated risk assessment when indicated • Develop strategies to support the design of future clinical trials on cardiovascular health, focusing on enhancing engagement and outcomes in low-income clinics • Participate in monthly journal clubs and summer workshops including grant writing workshops to strengthen research dissemination and administration skills • Collaborate on ongoing graduate student-led projects, contributing to literature reviews and manuscripts	

Research Assistant, Perinatal Traumatic Stress Lab
Indiana University School of Medicine, Indianapolis, IN
PI: Michelle Miller, PhD

06/2023 – 08/2024

- Recruited participants from maternal health care clinics for the Mental Health Equity Study.
- Identified health disparities through participant feedback and proposed ideas to target outreach efforts to better education and access to available health resources
- Collected and scored PTSD data using PCL-5 while maintaining ethical guidelines
- Entered data accurately into databases and ensured team coordination to maintain smooth study operation

Research Assistant, Division of Cognitive and Behavioral Neurosciences
The State University of New York at Buffalo, NY
PI: David Shucard, PhD, FAASM, FAPA

02/2021- 06/2022

- Authored a review paper on the effects of depression in Multiple Sclerosis and its association with cognitive impairment
- Conducted independent research on processing speed impairment and cognitive training outcomes in MS patients
- Analyzed data from 90 participants and examined PTSD symptoms in police officers for a decision-making study
- Tested adult participants using Electroencephalography (EEG) and administered neuropsychological tests (SDMT, NAART)
- Received training in administering a range of cognitive assessments to evaluate neuropsychological functioning
- Trained graduate students in EEG methods and neuropsychological assessments (PASAT, CVLT, BVMT, and Stroop task)

Research Assistant, Computational Neuroscience Lab
Amrita Vishwa Vidyapeetham, Amritapuri, India
PI: Shyam Diwakar, PhD

01/2020 - 07/2020

- Collaborated on manuscript preparation for a mental imagery study and presented the paper at the International Conference on Cybernetics, Cognition, and Machine Learning Applications
- Coordinated participant screening, recruitment, and implementation of EEG on 20 college participants
- Developed experimental paradigms (board games, questionnaires, and cues) for ongoing lab studies
- Analyzed 3 dataset trials from 16 participants using MATLAB and found imagery and execution similarities in brain waves

PUBLICATIONS AND MANUSCRIPTS

Published

Radhamani, R., Anil, A., Manoj, **G., Ambily**, G. B., Raveendran, P., Hari, V., & Diwakar, S. (2021). *Decoding Motor Behavior Biosignatures of Arm Movement Tasks Using Electroencephalography*. In *Cybernetics, Cognition and Machine Learning Applications* (pp. 109-116). Springer, Singapore.

In Preparation

Ambily, G. B., Moss, K., Haas, D. M., Guise, D., & Kotarski, A. J. *The relationship between baseline depression, perceived stress, and pregnancy experiences: The role of physical activity*.

Yoon, J., Schuiling, M. D., Jones, Z. M., **Ambily, G. B.**, & Stewart, J. C. *Association of Depression Remission with Cardiovascular Disease Risk Biomarkers: eIMPACT Randomized Controlled Trial*.

Jones, Z. M., Schuiling, M. D., Wu, W., Yoon, J., **Ambily, G. B.**, & Stewart, J. C. *Systemic Inflammation as a Moderator of the Effectiveness of Modernized Collaborative Care for Depression: eIMPACT Trial*.

CONFERENCES AND PRESENTATIONS

Central Association of Obstetricians and Gynecologists (CAOG) Annual Conference

Poster Presenter | Las Vegas, NV | Oct 2025

Presentation: *“The Relationship Between Baseline Depression, Perceived Stress, and Pregnancy Experiences: The Role of Physical Activity”*

Central Association of Obstetricians and Gynecologists (CAOG) Annual Conference

Attendee | Indianapolis, IN | Oct 2024

International Conference on Cybernetics, Cognition, and Machine Learning Applications

Presenter | Goa, India | Jul 2020

Presentation: *“Decoding Motor Behavior Biosignatures of Arm Movement Tasks Using Electroencephalography”*

SKILLS

Clinical Tools: Cerner, EPIC, OnCore, REDCap

Software: MATLAB, MS Office, Net Station, SPM, SPSS

COMMUNITY OUTREACH

Research Study Team Lead, Bumps & Babies program

08/2024 – Present

- Represent Indiana University OB/GYN research team at outreach events to educate and encourage expectant mothers about ongoing maternal health studies
- Collaborate with local vendors, nonprofits, and other businesses to enhance study visibility and build partnerships and trust

Volunteer Speaker, Global Voices program, Indiana University

09/2023 – Present

- Promote cross-cultural dialogue in communities and local schools by engaging in meaningful discussions
- Delivered a values-based presentation to 6th-grade students on Indian culture, using ancient texts to spark reflection on ethics and personal growth

CERTIFICATION

Basic Life Support (BLS-CPR), American Heart Association

04/2025 – Present