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Education & Training

- Ph.D. in Biochemistry, University of Mysore, India,
- Masters in Biochemistry, University of Mysore, India
- Bachelor in Biochemistry, University of Mysore, India.

Research Focus

My research is dedicated to **I.** understanding the genetics, epigenetics and brain cell type signaling mechanisms involved in major depression, suicide, addiction, and substance use disorders. A significant aspect of my work involves investigating the gender-based differences that underlie major depression and suicide. To achieve this, I employ advanced 'omics' approaches, which allow for a detailed analysis at the brain cell type level. This research aims to uncover the molecular and cellular underpinnings of these conditions, providing insights that could lead to more targeted and effective treatments for neuropsychiatric disorders. **II.** lead the "Introduction to Medical Research Discovery" longitudinal research module for pre-clerkship students. In this role, I am responsible for developing and implementing a comprehensive curriculum designed to introduce medical students to fundamental research methodologies during their pre-clerkship. This includes creating detailed lesson plans, designing interactive learning activities, and guiding students through the process of conducting basic research projects. **III.** As the co-lead for the Mind Brain and Behavior Health module, I play a pivotal role in shaping and delivering the curriculum that covers neurological and psychiatric conditions. This involves coordinating with faculty members, developing problem-based learning (PBL) and team-based learning (TBL) sessions, and ensuring that the module aligns with the broader medical curriculum and the USMLE Step-1 outline. As a member of the CCACC (Curriculum Committee for Academic and Clinical Curriculum), I contribute to the ongoing development and

refinement of the medical school curriculum. My responsibilities include reviewing and updating course content, ensuring alignment with accreditation standards, and incorporating the latest medical research and educational best practices into the curriculum.

Link to My Bibliography on PubMed:

<https://www.ncbi.nlm.nih.gov/myncbi/1boDmN5sJ4ng9-/bibliography/public/>

Link to Google Scholar:

<https://scholar.google.com/citations?user=pK2mZ78AAAAJ&hl=en>

Publications:

1. Crowley JJ, Cappi C, Ochoa-Panaifo ME, Frederick RM, Kook M, Wiese AD, Rancourt D, Atkinson EG, Giusti-Rodriguez P, Anderberg JL; Latin American Trans-ancestry INitiative for OCD genomics (LATINO), Brazilian Obsessive-Compulsive Spectrum Disorder Working Group (GTTOC); Abramowitz JS, Adorno VR, Aguirre C, Alves GS, Alves GS, Ancalade N, Espinosa AAA, Arnold PD, Ayton DM, Barbosa IG, Castano LMB, Barrera CN, Prieto MB, Berardo MC, Berrones D, Best JR, Bigdeli TB, Burton CL, Callahan JL, Carneiro MCB, Cepeda SL, Chazelle E, Chire JM, Munoz MC, Quiroz PC, Cobite J, Comer JS, Costa DL, Crosbie J, Cruz VO, Dager G, Daza LF, de la Rosa-Gómez A, Del Río D, Delage FZ, Dreher CB, Fay L, Fazio T, Ferrão YA, Ferreira GM, Figueroa EG, Fontenelle LF, Forero DA, Fragoso DT, **Gadad BS**, Garrison SR, González A, Gonzalez LD, González MA, Gonzalez-Barrios P, Goodman W, Guintivano J, Gutfreund DG, Guzick AG, Halvorsen MW, Hovey JD, Janssen-Aguilar R, Jensen M, Reynolds AZJ, Lujambio JAJ, Khalfe N, Knutsen MA, Lack C, Lanzagorta N, Lima MO, Longhurst MO, Martinez DAL, Luna ES, Marques AH, Martinez M, de Los Angeles Matos M, Maye CE, McGuire JF, Menezes G, Minaya C, Miño T, Mithani SM, de Oca C...[See abstract for full author list](#) → medRxiv [Preprint]. 2023 Feb 26:2023.02.23.23286373. doi: 10.1101/2023.02.23.23286373.PMID: 37131804 [Latin American Trans-ancestry INitiative for OCD genomics \(LATINO\): Study Protocol](#).
2. Crowley JJ, Cappi C, Ochoa-Panaifo ME, Frederick RM, Kook M, Wiese AD, Rancourt D, Atkinson EG, Giusti-Rodriguez P, Anderberg JL; Latin American Trans-ancestry INitiative for OCD genomics; Brazilian Obsessive-Compulsive Spectrum Disorder Working Group; Abramowitz JS, Adorno VR, Aguirre C, Alves GS, Alves GS, Ancalade N, Arellano Espinosa AA, Arnold PD, Ayton DM, Barbosa IG, Castano LMB, Barrera CN, Berardo MC, Berrones D, Best JR, Bigdeli TB, Burton CL, Buxbaum JD, Callahan JL, Carneiro MCB, Cepeda SL, Chazelle E, Chire JM, Munoz MC, Quiroz PC, Cobite J, Comer JS, Costa DL, Crosbie J, Cruz VO, Dager G, Daza LF, de la Rosa-Gómez A, Del Río D, Delage FZ, Dreher CB, Fay L, Fazio T, Ferrão YA, Ferreira GM, Figueroa EG, Fontenelle LF, Forero DA, Fragoso DTH, **Gadad BS**, Garrison SR, González A, Gonzalez LD, González MA, Gonzalez-Barrios P, Goodman WK, Grice DE, Guintivano J, Gutfreund DG, Guzick AG, Halvorsen MW, Hovey JD, Huang H, Irreño-Sotomonte J, Janssen-Aguilar R, Jensen M, Jimenez Reynolds AZ, Lujambio JAJ, Khalfe N, Knutsen MA, Lack C, Lanzagorta N, Lima MO, Longhurst MO, Lozada Martinez DA, Luna ES, Marques AH, Martinez MS, de Los Angeles Matos M, Maye CE, McGuire JF, Me...[See abstract](#)

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