## Tenure-track faculty position at Loma Linda University

The Lawrence D. Longo Center for Perinatal Biology at the Loma Linda University School of Medicine invites applications for a tenure-track position at the Assistant or Associate rank to establish a productive basic translational research program with some academic responsibilities for medical and graduate student teaching. Research expertise in molecular and/or cell biology and perinatal models for translational research are priority considerations. All qualified candidates, including women and minorities, with a Ph.D./M.D., and postdoctoral research experience, as well as an established record of research accomplishments and a demonstrated commitment to an innovative independently funded research program are encouraged to respond. For further information about the Center see https://medicine.llu.edu/research/centers/lawrence-d-longo-md-center-perinatal-biology. If interested, please send 1) a cover letter with statement of research and teaching interests, 2) contact information for three references, and 3) your CV to centerforperinatalbiology@llu.edu. Loma Linda University is committed to excellence through diversity.

Applicants with expertise in any of the following areas will be given priority consideration:

**Disciplines:**
• Cellular and Organellar Biology, including the biology of Mitochondria and the Cell Cycle
• Developmental Biology including Embryology
• Developmental Microbiology and the Maternal/Fetal Microbiome
• Developmental Immunology including the fetal innate immune system, macrophage maturation, mechanisms of inflammation and cytokine/chemokine biology
• Developmental Neuroscience & Ion Channel Biology
• Endocrine Biology including Glucocorticoids and Glucocorticoid Receptor Biology
• Fetal Stress-Induced Epigenetic Regulation of Gene Expression
• Myometrial Biology including Labor and Parturition
• Nutritional Biology including the roles of micronutrients and Vitamin D in fetal development
• Organ System Biology in the fetus, focused on Cardiac and Cardiovascular, Cerebral and Cerebrovascular, Gastrointestinal, Pulmonary, and Renal Physiology.
• Placental Biology including implantation, placentation, and artificial placentae

**Disease Models:**
• Fetal Hypoxia
• Obesity and Gestational Diabetes
• Persistent Pulmonary Hypertension of the Neonate
• Pre-Eclampsia and Premature Birth

**Technical Expertise:**
• Artificial Intelligence and Machine Learning, Big Data Management, Bioinformatics and In Silico Analyses
• Electrophysiology & Patch-Clamp Methodology
• Flow Cytometry and Microrespirometry
• Fluorescent Confocal Microscopy, In-Situ Hybridization, and Super-Resolution Microscopy
• Metabolomics, Mass Spectrometry, Protein-Protein, and Protein-Nucleic Acid Interactions
• Single Cell Genomics and Proteomics, RNAseq, and Drop-seq methodology