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Dr. Karumbaiah joined the University of Georgia's Regenerative Bioscience Center in 2013, where he is currently Associate Professor of Regenerative Medicine and director of the Translational Glycomaterials and Neural Repair Laboratory. He received his Ph.D. from the University of Georgia in 2007, after which he went on to conduct postdoctoral research in neuroscience and neural tissue engineering in Professor Ravi Bellamkonda's lab in the Wallace H. Coulter Department of Biomedical Engineering at Georgia Institute of Technology and Emory University School of Medicine. Research in the Karumbaiah lab is focused on developing interventional therapies for traumatic brain injuries and invasive brain tumors. His laboratory has developed novel glycomaterial implants that can facilitate brain tissue repair, therapeutic approaches to block brain tumor invasion and enhance the efficacy of standard-of-care therapeutics, and in vitro diagnostic tumor-on-chip platforms to evaluate the potency of tumor-targeting therapeutics. Prior to joining academia, Dr. Karumbaiah worked in product development and new product launch projects at Monsanto Company, and served as study director for a medical device company. He is the recipient of young investigator awards from the International Brain Injury Association and the Southern Translational Education and Research Conference. His research is funded by research grants from federal funding agencies and nonprofit foundations.