Faculty Name	**Dr. Yogananda S Markandeya**
Designation	Assistant Professor
Associated with NIMHANS as faculty since (Month and Year)	18th Jan 2017
Areas of Research Interest	To study in vitro neuronal and glial cell models of neurodegenerative disorders from patient-specific induced pluripotent stem cells (iPSCs), role of ion channels in neurological diseases, calcium signaling and Caveolins in neurons.
Publication list	1) Yogananda S. Markandeya, Timothy A. Hacker, Matthew R. Wolff, Ravi C. Balijepalli. Late sodium current inhibition attenuates arrhythmia mechanism in in Lamin A/C Mutant (LmnaN195K) Mice Ventricular Myocytes. Heart Rhythm. 2016 Nov;13(11):2228-2236 2) Daryl O. Nelson, Pratik Lalit, Karen M. Downs, Yogananda Markandeya, Deborah Capes,Pat Powers, Manorama John, Timothy J. Kamp, Gary E. Lyons: Irx4 marks a multipotent, ventricular-specific cardiac progenitor. Stem Cells. 2016 Dec;34(12):2875-2888. 3) Ravi Vaidyanathan, Yogananda Markandeya, Timothy Kamp, Jonathan Makielski, Craig Janaury, and Lee Eckhardt: IK1-Enhanced Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: An Improved Cardiomyocyte Model to Investigate Inherited Arrhythmia Syndromes. Am J Physiol Heart Circ Physiol. 2016 Jun 1;310(11):H1611-21. 4) Pratik A. Lalit, Max R. Salick, Daryl O. Nelson, Jayne M. Squirrell, Christina M. Shafer, Neel G. Patel, Imaan Saeed, Eric G. Schmuck, Yogananda S. Markandeya, Rachel Wong, Martin R. Lea, Kevin W. Eliceiri, Timothy Hacker, Wendy C. Crone, Michael Kyba, Daniel J. Garry, Ron Stewart, James A. Thomson, Karen M. Downs, Gary E. Lyons, Timothy J. Kamp: Lineage Reprogramming of Fibroblasts to Proliferative Induced Cardiac Progenitor Cells by Defined Factors. Cell Stem Cell. 2016 Mar 3;18(3):354-67 5) Yogananda S Markandeya, Laura J Phelan, Marites T Woon, Alexis M Keefe, Courtney R Reynolds, Benjamin K August, Timothy A Hacker, David M Roth, Hemal H Patel, Ravi C Balijepalli: Caveolin-3 Overexpression Attenuates Cardiac Hypertrophy via Inhibition of T-type Ca2+ Current Modulated by Protein Kinase Cα in Cardiomyocytes. J. Biol. Chem. 290, 22085-22100. 6) Yogananda S Markandeya, TJ Kamp: Rational strategy to stop arrhythmias: Early Afterdepolarization and L-type Ca2+ current.

	J. Gen. Physiol. Vol. 145 No. 6 475–479 7) Sulochana Devi, Yogananda Markandeya, Nityanand Maddodi, Anuradha Dhingra, Noga Vardi, Ravi C Balijepalli, and Vijayasaradhi Setaluri. Pigment Cell Res. 2013 May; 26(3):348-56. 8) Yogananda S. Markandeya, Jonathon M. Fahey, Florentina Pluteanu, Leanne L. Cribbs, Ravi C. Balijepalli: Caveolin-3 Regulates Protein Kinase A modulation of the CaV3.2 (A1H) T-Type Ca2+ Channels. J. Biol. Chem. 2011 286: 2433-2444.
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