

## Postdoctoral Positions Available

Postdoctoral fellowship positions are available immediately at the Center for Pregnancy and Newborn Research (CPNR), University of Texas Health Science Center San Antonio Texas USA, working with Drs Leslie Myatt and Alina Maloyan. Appointments will be for two years in the first instance.

Research projects are centered on the investigation of the effect of maternal adiposity and its associated adverse intrauterine environment on placental function and subsequent fetal programming. This includes investigation of the effect of increasing adiposity on placental metabolism and mitochondrial function, the role of miR-210 in human placental mitochondrial function, sexual dimorphism in placental function, the role of autophagy in regulation of placental function and fetal programming and epigenetic changes in the placenta in response to increasing maternal adiposity.

Potential candidates should have completed their PhD, have a strong track record of publication and experience, preferably in human trophoblast, in one or more of the following fields: molecular/cellular biology, miRNA action, cellular metabolism and mitochondrial function, DNA methylation and gene expression.

1. Myatt L. Review: Reactive oxygen and nitrogen species and functional adaptation of the placenta. *Trophoblast Research* 24, Placenta 31: Suppl A:S66-9. 2010 PMID:PMC2832707
2. Maloyan A, Mele J, Muralimanohara S, Myatt L. Measurement Of Mitochondrial Respiration In Trophoblast Culture. *Placenta* 33(5):456-458, 2012. PMID: 22336334
3. Muralimanoharan S, Maloyan A, Mele J, Myatt LG and Myatt L. MIR-210 modulates mitochondrial respiration in placenta with preeclampsia. *Placenta* 33(10): 816-823, 2012 PMID:22840297
4. Maloyan A, Muralimanoharan S, Huffman S, Cox LA, Nathanielsz PW, Myatt L, Nijland MJ. Identification and Comparative Analyses of Myocardial miRNAs Involved in the Fetal Response to Maternal Obesity. *Physiological Genomics* 45(19):889-900, 2013 PMID:23922128
5. Muralimanoharan S, Maloyan A, Myatt L. Evidence of sexual dimorphism in the placental function with severe preeclampsia. *Placenta* 2013 [Epub ahead of print] PMID:24140080

CPNR offers fully equipped laboratories and access to excellent core facilities <http://www.uthscsa.edu/>. Fellows have access to a biobank of human placental tissue and tissue from mouse and baboon models. Appointees will join a group of 10 postdoctoral and clinical subspecialty fellows working in a very active research environment in CPNR.

Applicants should submit their CV together with 3 letters of recommendation to either Dr Leslie Myatt ([MyattL@uthscsa.edu](mailto:MyattL@uthscsa.edu)) or Dr Alina Maloyan ([Maloyan@uthscsa.edu](mailto:Maloyan@uthscsa.edu))