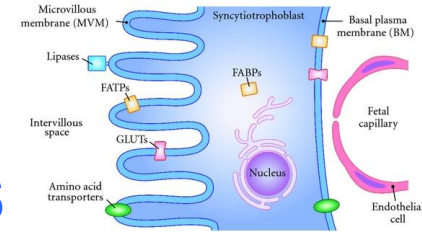




University of Colorado
Anschutz Medical Campus

POSTDOCTORAL FELLOWSHIPS

Placental Function Determines Life Long Health

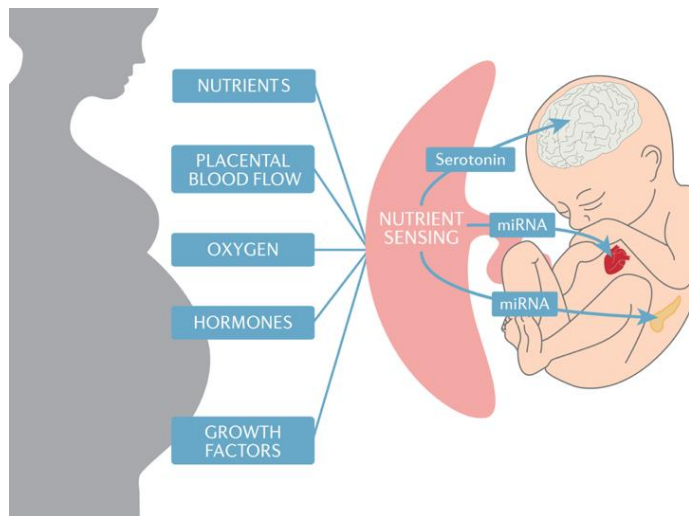


NIH-funded postdoctoral fellowships are immediately available in the Department of Obstetrics & Gynecology, University of Colorado Anschutz Medical Campus, Aurora, CO, USA under the supervision of Drs. Theresa Powell and Thomas Jansson.

Our research explores cellular and molecular mechanisms of regulation of placental nutrient transport and investigates the role of placental function in determining fetal growth and long-term health. We employ physiological, molecular and translational approaches, ranging from functional and molecular studies to discovering therapeutic interventions for human pregnancies and neonates. We utilize a variety of model systems including primary human trophoblast cells and explants and multiple animal models.

We are seeking highly motivated candidates holding a PhD degree and with documented training and experience in integrative physiology, molecular/cell biology and/or mouse models. Current projects include studies of the impact of lipids on placental function, the role of mTOR signaling in placental nutrient sensing, trophoblast regulation by adiponectin, placental specific conditional gene targeting in the mouse, identifying mechanistic links between maternal obesity, altered placental function, fetal overgrowth and adult health using a novel mouse model of obesity in pregnancy, and discovering novel interventions for high-risk pregnant women and their babies.

For more information: **Thomas Jansson** (thomas.jansson@CUAnschutz.edu); **Theresa Powell** (theresa.powell@CUAnschutz.edu)



Some recent trainee publications:

- Yung et al. 2015 Clin Sci (Lond). PMID 26374858
- Aye et al. 2015 PNAS . PMID 26417088
- Dimasuy KG et al. 2017 BMC Medicine
- Ferchaud-Roucher et al. 2019 FASEB J PMID 30811959
- Rosario et al 2019 Sci Reports PMID 30670706
- Michelsen et al. 2019 FASEB J PMID 30335547
- Vaughan et al. 2019 Int J Obesity PMID 31076636
- Paulsen et al. 2019 FASEB J PMID 30346829
- James-Allen et al. 2019 J Clin Endo Met PMID 31112275
- Castillo-Castrejon et al. 2019 AJPEndo PMID 31573844
- Jessel, et al J Nutri Biochem 2019 PMID 31926453

