

April 2021

**Postdoctoral Position: Fetal Magnetic Resonance Imaging (MRI)**  
*Department of Radiology, Denver, CO, USA*

**Postdoctoral research fellow in fetal MRI:** The Department of Radiology at the University of Colorado, Anschutz Medical Campus and Children's Hospital Colorado have an open position for a postdoctoral research fellow interested in fetal imaging.

The position is in an active translational research environment blending clinical studies and advanced fetal imaging techniques, with an emphasis in fetal brain, heart, liver, and placenta imaging. Research areas span the fast fetal brain imaging using super-resolution algorithms, fast fetal cardiac imaging using novel self-gating algorithms, and fast fetal liver and placenta imaging for tissue characterization using novel  $T_1$  and  $T_2$  mapping techniques. This exciting projects and close connection with diagnostic radiologists, cardiologists, surgeons, and clinical faculty allow for the opportunity to enhance clinical practice and improve fetal care at Children's Hospital Colorado.

**Qualifications:**

- The applicants should have an advanced degree (Ph.D.) in Physics, Biomedical Engineering, and Electrical Engineering.
- Successful candidates will have a track record of prior work with 'hands-on' experimental techniques in MRI.
- The applicants should have expertise in Python, C++, and Matlab programming.

**Environment:** The Translational and Computational Research Laboratory (TCRL) and Advanced Imaging Lab in the Children's Hospital Colorado and the University of Colorado, Anschutz Medical Campus is a rapidly growing collaborative endeavor of MRI physicists, engineers, clinical radiologists, and imaging scientists. Additional expertise spans the fields of engineering, computer science, cardiology, neurology, and cardiac surgery. The Children's Hospital Colorado has four on-site Philips MRI scanners (a 3T Elition, two 3T Ingenia, and a 1.5T Ingenia), along with access to a Siemens 3T MRI Skyra, and a newly arriving GE MRI-PET system.

**Please email cover letter and curriculum vitae:** mehdi.hedjazimoghari@cuanschutz.edu