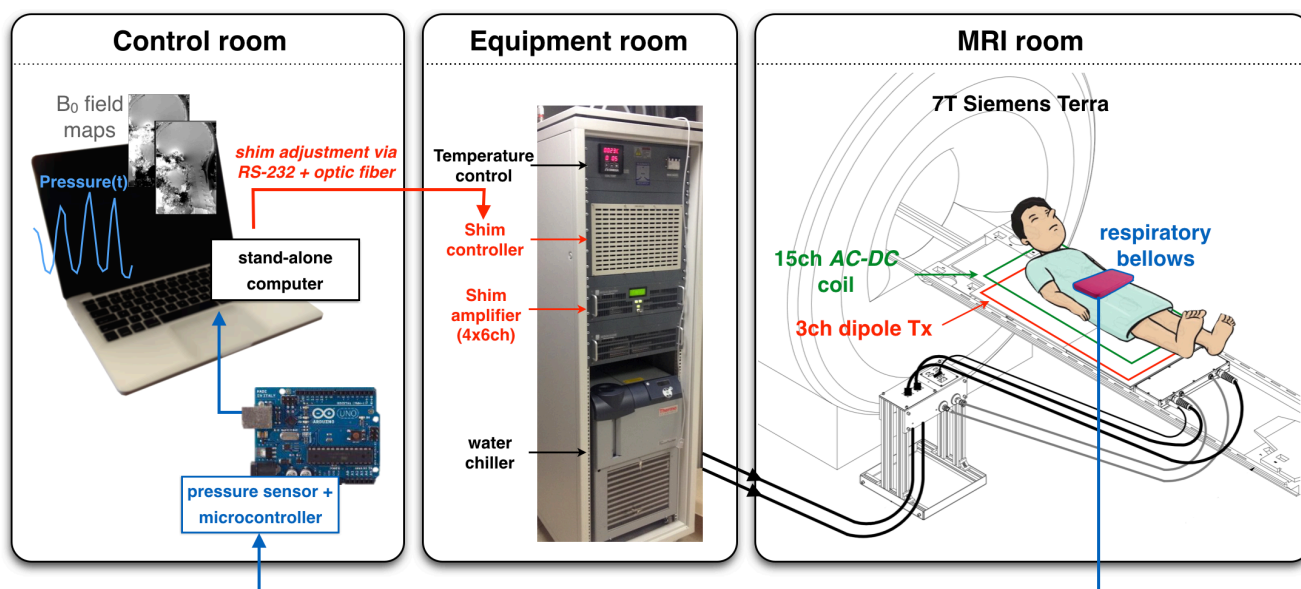


# Real time shimming at ultra-high field

## Description of the position

Building on our recent progress on integrated “AC/DC” shim coils and real time shimming technology<sup>1</sup>, we are recruiting **PhD or Postdoc** fellows to work on real time shimming projects applied to the brain and spinal cord at 7T. Research will be conducted at the **NeuroPoly** lab (Polytechnique, University of Montreal, [www.neuro.polymtl.ca](http://www.neuro.polymtl.ca)), and at the **Montreal Neurological Institute** (MNI, McGill University).



## Why should you apply?

- ☑ You will gain highly expertise on Integrated AC/DC technology ⚡
- ☑ You will be using a state-of-the-art 7T Siemens Terra system 🏠
- ☑ You will interact with radiologists and neurosurgeons who will apply these techniques 👨‍⚕️ 👩‍⚕️
- ☑ You will collaborate with top institutions (Univ. Montreal, McGill, MGH/Harvard) 🎓

## More info? How can you apply?

Applicants should have extensive experience in MRI physics and should know how to conduct MRI acquisitions. If interested, send requests with CV to Prof. Julien Cohen-Adad: [jcohen@polymtl.ca](mailto:jcohen@polymtl.ca)

<sup>1</sup> Example of projects: <https://neuro.polymtl.ca/research/rf-and-shim-coil-design.html>