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# Postdoctoral Position -- Development of Magnetic Resonance Spectroscopy Techniques National Research Council Canada

Direct Link: <http://www.AcademicKeys.com/r?job=21448>

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**Job Title:** Postdoctoral Position -- Development of Magnetic Resonance Spectroscopy Techniques  
**Department:** Department of Physics and Astronomy  
<http://www.nrc-cnrc.gc.ca/eng/ibp/ibd.html>.  
**Institution:** National Research Council Canada  
Winnipeg, Manitoba

**Date Posted:** Sep. 17, 2009

**Application Deadline:** Open Until Filled  
**Position Start Date:** Available Immediately

**Job Categories:** Graduate Student  
Post-Doc

**Academic Field(s):** Physics - Atomic/Molecular/Optical/Plasma  
Computer/Information Sciences  
Astronomy and Astrophysics  
Sciences - General

**Job Website:** <http://www.ismrm.org/jobs/j03908.htm>

**Apply By E-mail:** [Hacene.Serrai@cnrc-nrc.gc.ca](mailto:Hacene.Serrai@cnrc-nrc.gc.ca)

## Job Description:

The University of Manitoba (Winnipeg, Canada), in collaboration with the Magnetic Resonance Research & Development Group of the National Research Council Institute for Biodiagnostics (NRC-IBD), invites applications for one Postdoctoral Position.

The research project will involve sequence development and implementation, as well as coil fabrication, to be used for parallel imaging, combined with non-Fourier encoding techniques, in MRSI.

The project will also involve the development and testing of multidimensional excitation RF pulses, using the multi-transmit tools.

The NRC-IBD is equipped with a research-dedicated Siemens 3T Tim-Trio horizontal bore scanner, equipped with multi-transmit capabilities.

More information about NRC-IBD is available at:



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A Ph.D. in Engineering, Computer Science, Physical Science or a related field is required.

The successful candidate must be adept at scientific computing and experience with MATLAB and C is desirable. Also, experience in IDEA language programming (Siemens) and in signal processing is beneficial, but not required.

## Contact Information:

Please reference AcademicKeys.com in your cover letter when applying for or inquiring about this job announcement.

**Contact:** Hacene Serrai  
Department of Physics and Astronomy  
National Research Council of Canada (NRC)  
435 Ellice Avenue  
Winnipeg, MB  
Canada

**Phone Number:** 204-984-6973

**Fax Number:** 204-984-7036

**Contact E-mail:** [Hacene.Serrai@cnrc-nrc.gc.ca](mailto:Hacene.Serrai@cnrc-nrc.gc.ca)