



Principal Magnetic Resonance Scientist

The Basics

- This is a full-time position for a current vacancy.
- Candidates should live in or be willing to relocate to the Eastern Standard Time Zone in Canada or the United States, with preference for Toronto and Boston.
- The salary range for this position is \$180,000 - \$200,000 CAD. If you're located outside of Canada, any variations in range will be discussed during the intro call.
- The hiring manager for this position is Ben Nashman, and you can see his LinkedIn profile [here](#).

In this role, we'll expect you to:

- Own the company's most critical NMR initiatives, ensuring they advance both scientific understanding and product success.
- Guide the NMR team in setting technical priorities, ensuring alignment with medium- and long-term company goals.
- Drive innovation across pulse sequence design, advanced spectroscopy and imaging techniques, shimming, and NMR simulations.
- Push creative thinking while developing novel approaches to targeted spectroscopy, employing spectral editing, relaxation and diffusion filtering, among others.
- Partner with DSP/ML, software, product, mechanical, and electrical engineering teams to integrate NMR innovation seamlessly into the product.

- Maintain a close watch on emerging NMR techniques through literature reviews and potential roadblocks, and advise leadership when priorities or strategies should shift.
- Champion best practices for documentation and communication across the NMR domain, ensuring scientific rigor and traceability.
- Mentor and elevate peers by modeling effective feedback, communication, and technical judgment.
- Help the NMR team maintain focus and resilience during periods of change by reiterating priorities and clarifying trade-offs.

You might be right for this role if you have:

- Extensive experience with in vivo MR spectroscopy.
- Experience in MRI and thorough understanding of various imaging techniques.
- Recognized expertise in magnetic resonance through publications, patents, or significant industry contributions.
- Experience communicating complex magnetic resonance concepts to diverse audiences.
- Experience leading prioritization and execution of technical initiatives with long-term strategic value.
- Demonstrated ability to set scientific direction and build alignment across technical teams, ensuring experimental work advances product and company goals.
- The ability to provide feedback that improves both product outcomes and the careers of colleagues.
- Exceptional creativity and scientific imagination — the ability to challenge assumptions, employ first principles thinking, propose novel ideas and translate them into practical advances.
- Excellent communication, interpersonal and empathic skills.
- Demonstrated ability to balance scientific rigour with speedy development.

About Synex Medical

At Synex, our work culture is defined by a blend of ambitious goals, intense passion for our mission, and a deep commitment to the well-being of our employees. We encourage our team to set ambitious goals and provide the autonomy needed to achieve them.

While achieving significant milestones can require extra effort and collaboration at times, we also prioritize rest and self-care to maintain our team's well-being. Our policies and practices encourage taking time for personal and family commitments, ensuring that our employees can maintain a fulfilling life outside of work.

Developing strong social connections helps tie us together even when we are located in different places. Routinely, we meet in our regional offices for paid company lunches, learning sessions and social events.

Transparency and ethical standards are also foundational to how we operate. We collaborate with external partners from academia and industry to review and provide feedback on our work, ensuring scientific rigor and accountability. Internally, we promote psychological safety through regular check-ins with employees, anonymous surveys, and multiple avenues for reporting concerns, including an online reporting tool. These measures foster a supportive and open environment where employees feel safe to voice their concerns and contribute to the company's success.

Benefits

Building towards a predictive healthcare future starts with our team. We are dedicated to offering a strong benefits package which will improve as Synex expands. We currently offer:

→ Health, Dental, and Vision Insurance: We cover 100% of the premiums for our employees. Coverage for partners and dependents varies based on location and plan.

→ Flexible Time Off: We don't place annual limits on vacation and sick days, and we require that you take at least 3 weeks of vacation each year (not counting company holidays!).

→ Parental Leave: We provide 6 months of fully paid leave for all parents—whether you're a birthing, non-birthing, or adoptive parent.

→ Professional Development: Invest in your growth with up to \$1,500 annually for courses, certifications, or conferences.

Use of Artificial Intelligence (AI) in Hiring

Synex Medical does not use automated AI systems to screen, assess, or select applicants. All applications are reviewed by a human. We may occasionally use AI tools to assist with reviewing resumes or summarizing interview notes, but these tools do not make or influence selection decisions.

Apply here:

<https://synexmedical.com/6644160-principal-magnetic-resonance-scientist.html>