



## Title: Principal MRS Scientist

### The Basics

- This is a full-time position.
- This is a remote-friendly role, but occasional travel (mainly to our Toronto and Boston offices) will be necessary.
- Work hours are flexible, but meetings are typically scheduled between 9 am and 5 pm Eastern Standard Time.
- We will share the salary range for this position during the intro call. You can see all of the stages of our interview process on our career page [here](#).
- 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:

- Oversee the development of novel in vivo Magnetic Resonance Spectroscopy techniques.
- Design and execute experiments to optimize MRS methods for non-invasive blood metabolite monitoring in a low-field NMR environment.
- Stay up-to-date on state-of-the-art MRS techniques and suggest creative ways of applying them to our technology.
- Work closely with engineering, product, and quality teams to integrate findings into product development and ensure alignment with overall company goals.
- Maintain thorough documentation of MRS processes and findings, fostering a culture of detailed and accurate documentation.
- Develop protocols for in vivo data acquisition, processing, and analysis.

You might be right for this role if you have:

- Ph.D. in Physics, Chemistry, Biomedical Engineering, or a related field with a focus on MRS.
- Extensive experience in magnetic resonance theory and in-vivo MRS experimental techniques.
- Familiarity with common NMR/MRS processing software (e.g. Topspin, Mnova, jMRUI).
- Proficiency in programming, specifically in Python and MATLAB.
- A proven track record of technical leadership in MRS or related fields.
- A reputation for respectful candor in all of your communications.

## Additional Details

### 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.

Synex is a hybrid organization with a spectrum of in-office, fully remote, and blended roles. 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.

## Equal Opportunity

We believe that excellence isn't defined solely by qualifications, but also by the potential for growth and meaningful impact. Many highly capable individuals, especially those who identify as women or gender-nonconforming, may underestimate their abilities.

We encourage you to consider applying for this role if you believe you have the skills, experience, and passion to excel, even if you don't meet every single qualification. To assist you in this process, we recommend closely assessing your alignment with each job requirement rather than relying solely on your overall impression of the job. Your unique background, skills, and experiences could be a key to our success, so please don't let self-doubt hold you back.

And just to make it extra clear - we are an equal-opportunity employer. We value the collaboration of people with diverse ideas, experiences, and points of view. A diverse team makes Synex an exciting and creative place to work, and we welcome individuals from all walks of life.

All of our hiring choices are strictly based on business needs, job qualifications, and individual abilities, rather than any [protected characteristics](#).

If you require accommodations for a disability during the interview process, please fill out our accommodations request form [here](#). Your information will remain confidential and be used solely to determine appropriate accommodations for the interview process.