Title: NMR 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 likely to fall within the traditional 8-5 (EST) workday.
- We will share the **salary** for this position during the intro call.

The Details:

Hello from the **NMR science** team at Synex Medical! Synex is a ~26-person medical device startup that’s developing a miniaturized health monitor to measure critical blood metabolites non-invasively. That technology is based on novel techniques we’ve developed in magnetic resonance.

We’re on track to deliver our MVP by the end of Q2 2022, which will measure glucose and lactate non-invasively. We are gearing up for some big milestones (series A, clinical validation, MVP delivery). To support these milestones, we’re looking to grow our team.

Here are a couple of the things we need your help with:

- Developing advanced pulse sequences for in vivo NMR spectroscopy
- Implementing existing pulse sequences on Synex’s custom manufactured spectrometer
• Simulating pulse sequences using standard simulation software packages such as Spinach
• Staying up-to-date on state-of-the-art NMR techniques and suggesting creative ways of applying them to our technology

Our team isn’t afraid of difficult problems - in fact, we find them motivating. We believe it’s important to fully and clearly understand the problems we face before trying to solve them. This helps us to be clear on what we’re trying to achieve and work together to achieve it.

If you’re the kind of person who feels the same way about complex problems, you might enjoy working with our team.

Here are a couple of things we believe you’ll need to be successful:

• A Ph.D. or master’s degree in physics, physical chemistry, or equivalent
• Understanding of magnetic resonance theory and in-vivo MRS experimental techniques
• Familiarity with common NMR/MRS processing software (e.g. Topspin, Mnova, jMRUI)
• Programming skills, specifically in Python and/or MATLAB
• A reputation for respectful candor in all of your communications

Please apply here if you’re interested in this role. If you’d like to know more about our interview process and the benefits we offer, check out our career page. And if you have any questions, please send us an email at info@synexmedical.com.

We look forward to hearing from you!