



Skilled Lab Technician (Medical Device Manufacturing)

Have you ever wished there was a way to bring your craft to the emerging fields of neuroscience research or Brain Machine Interfaces? Do you think it would be cool to help create something that could survive in the human body?

Do you want to make a difference? Do you like the idea of contributing to an engineering team that has their hearts (and minds and hands) set on developing the future of neural implantable technologies?

Want to work with the coolest gang of engineers (yep, I said it, we think engineers are cool) ever? Talk shop and hammer out ideas with them? And then head out to Curry Thursday with them to share some Massaman?

If all of this sounds right up your alley, hold on tight. It gets better!

We are looking for a friendly, meticulous, self-motivated Lab Technician to join our tight-knit team of experienced professionals to help maintain our neuroscience research and implantable medical device laboratory. This is a full-time, exempt position, starting immediately in our Salt Lake City office. This position reports to our outdoors-loving, best-bread-baking Principal Materials Engineer, Alex Thiessen.

About this Position

Here's what we are looking for. If you've got some or all of these under your belt, then you've got the chops:

- Medical device manufacturing – we need someone who can come in and make sure our lab and equipment is up-to-snuff, so we can produce the best flexible neural electrodes on the market.
- Wet chemistry laboratory/handling of chemicals – you will be working with sensitive chemicals that require specialized care and handling. This position requires someone who is delicate and meticulous with materials, but doesn't let this compromise their ability to meet deadlines.
- Clean room experience
- Materials testing and characterization (mechanical, electrical, electro-chemical, accelerated lifetime testing, and similar)
- Working in a quality management system (QMS) – We are believers in quality. We want to produce the finest products and we are proud to work within a QMS. If you aren't willing to do the proper documentation for a task, this is not the job for you.
- Large scale manufacturing – we are growing our manufacturing efforts and would love to have someone with experience in a high quality and high quantity manufacturing environment.
- Programming experience, preferably Python
- Knowledge of materials science and/or electrode characterization (preferred)
- Polymer processing techniques (preferred)

- Polymer material systems/synthesis of polymer materials (preferred)
- Mechanical tension testing (preferred)
- Electrical impedance spectroscopy (preferred)
- Cyclic voltammetry (preferred)
- Knowledge of regulations for implantable medical devices (preferred)

Here's what you'll do:

- Build polymer electrodes using a robotic deposition system – Our robots love Python!
- Perform mechanical and electrochemical testing
- Mix chemicals and polymers precisely to improve workflow and material properties
- Clean and maintain manufacturing equipment, laboratory, and clean-room areas
- Be thoughtfully constructive: We are looking for solution-oriented team players who can check their egos in order to collaborate to overcome obstacles.
- Genuinely care. At Ripple, we care deeply about each other and treat each other with respect, kindness and patience. We care about the products we create and demand the best of ourselves.
- Have opportunities for skillset growth and increasing technical knowledge

Here's who you'll do it with:

- Alex and Jose! They are great teachers and they will help train you as you grow and desire to learn more. They will also give you direction on what tasks should be done when, and they are hoping to learn from you too! They will even take you across the street to Sugarhouse Coffee to get some joe-to-go.
- Our Quality team – Carina and Ginger. They will help guide you on how to follow processes and how to develop new ones! That's right! You get to help write the very instructions that will take our small manufacturing lines and turn them into large repeatable processes.

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. We are a team. We pitch in and help each other on all projects. If you are "above" doing certain tasks, Ripple is definitely not a good fit for you.

Ripple is committed to equal employment opportunities, and does not discriminate on the basis of any protected class defined by the Equal Employment Opportunity laws. Yeah, I know. You've heard it a million times, but we really do mean it. We are totally willing to make reasonable accommodations to enable individuals with disabilities to perform this job.

About Ripple

Ripple creates life enhancing neurotechnology for research and medical applications. Our products integrate cutting-edge hardware and software elements designed to read and write from the human nervous system. We are funded by our sales revenue and grants from NIH, DARPA, and the Congressionally Directed Medical Research Program (*sigh* that was a mouthful.)

At its core, Ripple is a community of driven people who are choosing to work together on really hard problems. We are builders and creators and want to see our efforts impact the world for

good. Those who thrive at Ripple are self-motivated and work well independently. There are times of intense effort and individual contribution and sacrifice, but we know that what we are building will take time, and living a fulfilling life outside of Ripple will keep team members deeply engaged.

At Ripple, team members are often asked to do things they have never done before. We expect a lot of chances to hear differing opinions, and to be surrounded by people who deeply care about our projects and are interested in the big picture of what Ripple is trying to accomplish. Riplers are encouraged to take time to help and teach others, and to listen, learn and change their own views until a solution emerges.

We are passionate and friendly, patient and thoughtful, and all agree to not work with jackasses (no matter how great you think you are). All of us must actively contribute to the quality of our processes and products through thoughtful effort. There is no shortcut to making implantable medical devices or cutting-edge neuroscience tools, but with a strong team of friends building them together, it is worth it.

What do you think?

Does this sound groovy to you? What are you waiting for? Send your resume on over to jobs@rppl.com with a cover letter explaining your interest in this position, and in working for Ripple.

We are excited to hear from you!