

## **We are looking for an R&D Materials Lead to join our team**

Newborn Solutions is a medical device startup that will enable non-invasive detection and monitoring of infections in serous body fluids, with an initial focus on infant meningitis. The company has developed an ultrasound-based device, coupling materials and artificial intelligence algorithms to automatically count in a matter of seconds and at the push of a button white blood cells (WBC) in the cerebrospinal fluid (CSF) directly below the infant fontanelle, a well-established diagnostic marker for infections. Upon request from KOLs, the device is also being tested to show clinical feasibility in peritonitis and uveitis, among other applications within the scope of the business. The company is also developing predictive models exploiting clinical, blood and the non-invasive CSF WBC count to further support diagnostic and treatment decisions.

### **MAIN RESPONSIBILITIES AND ACTIVITIES**

You will lead and grow the Area of Materials and your main activities will be:

- Optimization of our consumables (hydrogel) to improve stability and design
- Characterization of the consumables
- Production of consumables
- Participate in the design of equipment for mass production of consumables.
- Documentation: record and elaboration of technical documentation of the product according to MDR standards.
- Design and production of phantoms to validate target applications in vitro.
- Design of echographic phantoms to be used with standard equipment in hospitals for training, as a new area of development in the company.
- Participate in team meetings and report C-level colleagues.

### **IS THIS YOU?**

- Advanced knowledge of materials (Chemistry or Biomedical engineering career; PhD or master with proved experience)
- Hands on experience in the laboratory
- Curious, Creative, Proactive and Organized
- Future-oriented (what is your vision?), solution-oriented, outcome-oriented.
- Good communication, interpersonal and leadership skills.
- Advanced knowledge of English.

**WHEN?** January 1<sup>st</sup> 2022 or earlier.

**WHERE?** Barcelona Science Park (C/Baldiri Reixac 4-12, 08028 Barcelona)

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At Newborn Solutions we support diversity, equality, inclusivity and balancing of the personal and professional life.