New Position: Head of Research & Development

The Company

Do you want to create the future of healthcare? NeoPredics is transforming clinical decision support, delivering personalized solutions that optimize care for women and children. Our cutting-edge technology empowers clinicians to predict health risks earlier, facilitating timely, sometimes life-saving interventions for mothers and their babies.

Explore our innovations designed to improve maternal and neonatal health. Join us as Head of R&D in redefining the standards of care for women and their newborns!

The Position: Tasks and Responsibilities

- Strategic Leadership: Drive the vision and strategy for the R&D department, aligning with NeoPrediX's goals for innovation, clinical impact, and scalability.
- Product Development: Lead and manage the development lifecycle of new and existing predictive healthcare tools, including PreFree and bilirubin prediction products, ensuring clinical relevance and data-driven efficacy. Develop a product roadmap.
- Hands-On Tech Development: Actively lead and contribute to the development lifecycle of new and existing predictive decision support tools.
- Applied Data Science Expertise: Bring extensive, practical experience in machine learning and AI specifically for SaMD applications. Develop and test robust, validated algorithms that meet clinical needs in real-world settings.
- Research Excellence: Oversee clinical research programs, collaborate with scientific advisors, and ensure compliance with all regulatory and ethical guidelines.
- Collaboration & Partnership: Establish and maintain strong partnerships with academic, clinical, and industry stakeholders, fostering collaborative innovation and research.
- Contribute to project team for software development
- Continually review and improve existing and new algorithms
- Team Leadership: Build and mentor a high-performing R&D team, fostering a culture of continuous learning, scientific curiosity, and teamwork.
- Data Science & Analytics: Oversee data strategy, including machine learning and predictive modeling, to ensure robust, validated algorithms power our solutions.
- IP: Create new IP, oversee current IP portfolio, be point of contact for any internal and external IP related topics
- Quality and Regulatory: Responsible process owner for all R&D relevant processes. Responsible for ISO 13485, MDR and FDA compliance
- Data security: Overall responsibility for data protection, patient data safety and IT security

Your Profile and Qualifications

- PhD or advanced degree in Biomedical Science, Data Science, Engineering, or related field, with a focus on healthcare technology
- Medical device industry experience
- Extensive experience in machine learning and artificial intelligence in life sciences
- Proven experience leading R&D teams, particularly within the healthcare or biotech sectors, with a strong track record in digital health or predictive analytics.
- Extensive knowledge of clinical research methodologies, product development cycles, and healthcare data science.
- Familiarity with regulatory environments for healthcare products, including experience with CE marking or FDA processes.
- Strong analytical skills, with experience in algorithm development, predictive modeling, and machine learning.
- Exceptional leadership and interpersonal skills, with the ability to inspire and collaborate with multidisciplinary teams.
- Data Science Mastery: 5+ years in applied machine learning, specifically for regulated AI-based medtech products. Proven success in bringing AI-based SaMD to market.
- Analytical Excellence: Demonstrated experience in developing algorithms with clinical impact. Strategic sense of how data science can drive business and product success.

Key Skills

- Proven leadership skills
- Project management skills
- Presentation skills
- Fluent English (must) and German (strongly preferred)

Other Requirements

- to work in cross functional teams with external partners
- to tackle unprecedented challenges
- to manage multiple sometimes contradicting tasks and objectives at the same time
- to travel internationally

Location: Home based (EU) or in our office in Regensburg/Germany.

We want to hear from you regardless of your race, religion, national origin, sex, gender identity, sexual orientation, disability, age, veteran status, or any other applicable legally protected characteristics.

If you are interested, please send your resume to us: hr@neopredics.com