Principal Catheter Device Engineer

The Company:

NinePoint Medical is positioned to improve patient care through the development of medical devices that enable high-resolution in-vivo imaging. Using advanced optical technologies, NinePoint Medical empowers treating physicians and pathologists to image cross-sectionally to visualize features at and below the mucosal surface, over very large areas.

Position Requirements:

We are seeking a talented, hands on, and enthusiastic Principal level catheter engineer, who will be responsible for leading the design through commercialization of single-use catheter devices incorporating NinePoint Medical's advanced imaging technology. The qualified candidate will be responsible for all aspects of the concept, design and development and will report directly to the Vice President of Research and Development. The candidate will need to effectively collaborate with a cross-functional team and have the opportunities to lead and mentor other engineers and technicians.

Key Responsibilities:

- Lead and participate in brainstorming and analysis of next generation catheter device concepts and designs
- Engineer solutions using proven and innovative methods using a variety of manufacturing techniques
- Rally support, maintain enthusiasm and drive objectives as an individual contributor and project leader
- Decompose a project into discrete tasks and work with engineering management to effectively resource, schedule and provide status updates
- Ability to create and oversee designs using CAD (SolidWorks preferred) and mechanical modeling tools
- Ability to formulate and facilitate the required preclinical testing to prove safety and efficacy
- Mentor and supervise engineers and technicians

Required Experience:

- 10+ years of relevant experience in the design and commercialization of catheter/disposable devices
- 3+ years' experience with direct reports or a desire and aptitude to lead and mentor a diverse team
- Experience determining the clinical user needs and gaining feedback directly from the practicing physicians

- Experience working in a regulated industry, specifically under FDA QSR, UL/IEC 60601 and ISO 13485 design control requirements

Desirable Experience:

- Endoscopic or vascular catheter experience
- Strong understanding of plastics used in medical applications
- Plastic processing: balloon forming, injection molding, extrusion
- Catheter bonding operations (thermal, adhesive)
- CAD (SolidWorks)

Education/General Requirements:

- A minimum of a technical Bachelors or equivalent required. Masters Degree desirable.
- Preferred fields: Biomedical engineering, Plastics engineering, Mechanical engineering, Chemical engineering
- Strong customer focus, highly organized, responsible and detail oriented
- Excellent written and verbal communication skills - must be able to write clear reports, specifications, proposals and effectively discuss them with other members of a multi-disciplinary team (R&D, MFG, Quality, Clinical, Marketing, Sales)
- Clear understanding of the role of engineering in a manufacturing environment and proven track record of transferring designs into manufacturing
- Exposure to reliability engineering

The Nine Points for Success

1. **Excellence**: constantly create high quality products that improve patient care
2. **Quality**: be better than industry standard in the quality of our people and the efficiency of our operations
3. **Accountability**: Cultivate individual responsibility and promote personal and professional growth
4. **Innovation**: value high quality innovation
5. **Commitment**: create and maintain a positive work environment that is fun and rewarding to be a part of
6. **Teamwork**: value relationships that build respect and foster team work
7. **Communication**: utilize good communication
8. **Empowerment**: make a difference
9. **Diversity**: value diversity of people and opinion