Senior RF Coil Engineer - Guilford, CT, USA

**SUMMARY:**
Hyperfine is seeking a Senior RF Coil Engineer with the ability to generate innovative concepts and develop new products from concept through production. Leadership, attention to detail, organization, and technical knowledge in a broad set of design disciplines are key attributes of the preferred candidate.

**RESPONSIBILITIES:**
- Develop and execute designs for low field MRI systems backed by comprehensive engineering analysis.
- Design, debug & validate designs for function and performance from concept through production.
- Thoroughly document and support each of the above from concept to architecture, through manufacturing and use.
- Productize designs in conjunction with cross-functional input from Commercial, Clinical, Quality, Manufacturing, and HW/SW teams.

**KNOWLEDGE AND SKILL:**
- Manage multiple tasks to ensure timely fulfillment of project objectives and deliverables
- Communicate status of all responsible projects both in writing and verbally
- Ability to lead complex projects internally and with 3rd party vendors
- Diverse skill-set with Electrical/RF/Mechanical Engineering fundamentals
- Innovate, design, develop, optimize, test, and assist in certification of RF related designs such as amplifiers, coils, shields, motion correction systems, etc
- Coil development includes head and extremity imaging coils, hard and flexible
- Capable of understanding complete systems for optimization and troubleshooting capability
- Competent in a lab environment using oscilloscopes, spectrum analyzers, network analyzers, directional couplers, noise figure meters, RF power amplifiers
- Prototyping skills: PCB design, CNC mill, lathe
- Working knowledge of supply chain, evaluation of components, component assembly, manufacturability, serviceability and reliability.
- Expertise in CAD, modeling, and finite element EM simulation tools.

**EDUCATION/EXPERIENCE REQUIRED:**
- Bachelor Degree (Masters and PhD preferred) in Physics, Biomedical, or Electrical Engineering with 2-5 years of experience preferred
- Experience in RF hardware development across full product life cycles
- Experience with new product development

To apply, please visit our website or contact Dr. Eddy Boskamp at eboskamp@hyperfine.io