



[About AtriCure](#)

[Products for Healthcare Professionals](#)

[Join the Team](#)

[Open Positions](#)

[Employee Spotlight](#)

[AtriCure Culture](#)

[AtriCure Benefits](#)

[Cincinnati Living](#)

[Apply](#)

[Investor Relations](#)

[News and Events](#)



BIOMEDICAL ENGINEER

At AtriCure, we are dedicated to improving the quality of life by making exceptional surgical devices that provide doctors with alternative methods to perform surgical procedures. Our unique technology allows surgeons to precisely and efficiently ablate tissue during surgical procedures.

Headquartered in the Cincinnati Ohio area, we offer a competitive salary, outstanding benefits package and the professional advantages of an environment that supports your development and recognizes your achievements. We are an Equal Opportunity Employer.

ROLES AND RESPONSIBILITIES

- Responsible for initiating / conducting research and feasibility studies into the use of surgical ablation and mapping products and techniques.
- Generate novel concepts and lead in the development of new physiologic testing systems and tools in support of new clinical opportunities in the field.
- Applies principles and scientific methods of biomedical and electrical engineering to find solutions to problems in life sciences, and to accomplish tasks and goals.
- Work with cardiac surgeons, electrophysiologists, and consultants on projects related to cardiac arrhythmia mapping of electrical conduction and block.
- Conceiving new concepts and proposing, planning, executing, evaluating and reporting studies to validate concepts.
- Serve as an expert resource for product development engineers in the field of cardiac surgery and electrophysiology to ensure proper implementation of concepts and features.
- Must be capable of defining systems requirements related to capital equipment (optimally physiologic measurement systems) including user interface, physiologic interface, and regulatory compliance.
- Design, develop, and test all aspects of medical / surgical components, equipment, and instruments.
- Be accountable for clinical / procedural research, and should have the ability to define, communicate and manage the risks associated with procedural needs requirements and clinical performance measurement.
- Perform analysis related to the design, development, and implementation of medical device systems.
- Write, implement, and analyze test cases for system verification / validation testing.
- Performs a variety of complex engineering design and development tasks.
- Establish a research plan for prioritization of effort, definition of measurable goals, and planning of activity.
- Foster relationships and partnerships with Key Opinion Leaders to support respective initiatives, and to analyze product performance and publish findings.
- Ideally, should have an understanding of cardiac anatomy / physiology and must be capable of comprehensive research and communication of details in support of team training.
- Investigate the feasibility of applying scientific principles and concepts to potential inventions and products.
- Support the creation, documentation, and coordination of new intellectual property associated with the assigned programs and research
- Maintain awareness of competitive IP and highlight opportunities and risks
- Review and authorize engineering design changes.
- May lead and direct the work of other less senior members.
- May lead engineering projects.
- May work with other engineering teams to increase efficiency, and production quality and volume.

QUALIFICATIONS

- A Biomedical Engineering, Electrical Engineering, or Physics (with cardiac emphasis) Degree or equivalent is required; an advanced degree is preferred.
- 5-7 years experience.
- In depth knowledge of cardiac anatomy, physiology, pacing and electrophysiology.
- Experience in Cardiac Cath / EP Lab, including interventional experience and / or advanced

