

**Job Title:**

Senior Engineer/Technologist – HV Pulsed Power/RF Engineering

**Job Description:**

We are looking for an experienced rf pulsed power technologist. The successful candidate will be passionate about building state of the art products and processes at Viewray and share our excitement in our ground breaking medical devices for the clinical treatment of cancer.

**Primary Responsibilities:**

- Key team member of the LINAC development group
- Designs, develops, modifies and evaluates high power rf components, equipment and systems, including pulse modulators, transformers and circuits to drive and control magnetron and/or klystron power sources
- Establishes design criteria, materials requirements, product operation capabilities; determines process, manufacturing and test methods
- Manages product development and production prototyping – evaluates and tests products using analysis tools and test equipment
- Implements and maintains design control procedures, necessary for medical device development practices, including verification/validation activities and required documentation

**Desired Skills and Experience:**

- Minimum of Bachelor's degree in Electrical Engineering, Microwave Engineering, or Physics (advanced degree preferred)
- 5+ years experience in development of formally released products with strong preference for large capital equipment such as medical devices, semi-conductor, instrumentation, communication, defense etc.
- Experience designing pulse-forming networks, transmission lines and switched capacitor banks
- Experience with high-power switches such as spark gaps, solid-state devices, thyratrons and linear induction accelerators
- Expert level competence in pulsed high power microwave technologies (3GHz – 10GHz; kilowatt to megawatt ranges); preferred background in radiotherapy Linac systems
- Experience in design, development and evaluation of pulse modulators and linac controls, pulse transformers, HV power supplies, and rf waveguides and transmission systems
- Competence with basic design tools (SPICE, LabView, MathCAD or MatLAB, HFSS, etc.)
- Understanding and experience in microwave measurements and analysis with use of network and spectrum analyzers, signal generators, power supplies and other microwave measurement equipment
- Knowledge of linear induction cells including magnetic circuits and properties
- Demonstrated knowledge of safety issues or potential hazards relating to pulsed power systems and devices and the use of interlocks and design features to mitigate risks and hazards.
- Possess dynamic, proactive, ambitious, "can do" attitude, strength of character, tenacity and credibility and able to create and respect strong working relationships with all levels of the organization
- Strong team player with a desire to work in a collaborative environment; good organizational and communication skills

Note: This engineer will be based out of Viewray's facility in Mountain View, CA.