

Accelerator Scientist

RadiaBeam Technologies is a successful, growing R&D and high-tech manufacturing company with headquarters in Santa Monica, CA. We develop novel particle accelerators and accelerator-related instrumentation, optical systems and advanced manufacturing techniques. We currently have approximately 45 employees.

RadiaBeam is hiring an Accelerator Scientist to support its ongoing experimental R&D and Sales projects.

Job duties will include:

- Design, simulate, and test accelerators and accelerator components
- Lead research and product development projects as Principle Investigator
- Initiate original research and product ideas, and generate peer-reviewed, high quality proposals, technical reports and scientific publications

The requirements for the position are:

- PhD degree in physics or electrical engineering + at least 5 years of experience.
- Expertise in the design, engineering, manufacturing and testing of circular accelerators.
- Experience with electromagnetic simulation codes (Opera or Maxwell)
- Experience with beam dynamics simulations (i.e. Parmela, GPT, MAD-X)
- Excellent manual dexterity and hardware assembly skills
- Demonstrated experience in project management.

Preference will be given to candidates with experience in one or more of the following:

- Medical and industrial accelerators
- Ion/proton sources, accelerators, ion beam transport, ion beam diagnostics and applications of ion beams
- ANSYS Mechanical thermal analysis
- Control systems (PLCs, NI cRIO)
- Analog, Digital, and mixed-signal circuits
- High-voltage circuits
- PCB layout

RadiaBeam offers competitive benefits and a dynamic, flexible workplace with extensive opportunity for advancement. RadiaBeam is an equal opportunity employer.

Interested applicants should send an email with a resume and a SHORT introduction (no cover letter!) to jobs@radiabeam.com with "Accelerator Scientist" in the subject line.