

Job Title: Accelerator Physicist

Competitive salary (commensurate with experience) + full benefits

Location: Greater Los Angeles, California

Start date: March 2019

Responsibilities:

- Assist in the design of a 50 MeV, 20 kW average power ion linac
- Design magnet lattice for beam transport
- Specify diagnostics requirements
- Interface with vendors to purchase diagnostics
- Assist in the installation, alignment, and commissioning of linac
- Assist in the design of target irradiation stations

Minimum requirements:

- Bachelor's degree in Physics, Electrical Engineering, or relevant field
- Direct experience with beamline simulation tools
- Familiarity with basic accelerator subsystems (vacuum, RF, magnets, etc)

Preference will be given to candidates with the following experience:

- Masters or Doctorate degree
- Design of RFQ's
- Design of DTL's
- Work with high-intensity ion sources
- Hands on experimental work
- Programming in EPICS

About Nusano:

We are an early phase company committed to advancing the way radioisotopes are made. Nusano represents the first true turning point in the history of the field of radioisotope manufacturing since the advent of the cyclotron. By augmenting a standard linear accelerator with a proprietary high-current multiparticle ion source, our solution can generate radioisotopes with a very high yield and specific activity and is poised to become the state of the art technology.

Our technology is uniquely suited for the generation of therapeutic radioisotopes. These radioisotopes, while historically challenging to produce in quantities and for the cost that allow for robust growth of the field, are on the precipice widespread clinical use for personalized cancer therapy. Nusano is uniquely positioned to support and foster the growth of this important application.

Nusano is founded on the idea that the greatest scientific asset isn't raw material or technology but vision — and the freedom to follow that vision wherever it leads. So while the treatments of tomorrow will surely be built on advanced physics and sophisticated chemistry, they'll be driven by creativity and fueled by spontaneity. In the world our technology enables, neither will have limits.

If you are interested in joining our team, send your resume to: Josiah.Hartzell@Nusano.com.

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