I am writing to you seeking potential applicants for a year-long internship here at LANL in the Isotope Program (graduating seniors or recent grads). This would be a fairly applied internship, with possibility to turn into full time employment after a year. We have brought other students into the program this way as a mechanism to find new processing technicians. An inorganic (separations) or analytical interest is helpful, but I am not expecting radiochemistry experience. Also, the manipulator work is physically demanding, as well as the need to deal with shielding pigs, so interested people should be aware of this aspect. US Citizenship is not a requirement, but applicants need to identify citizenship.

The Isotope Program makes isotopes for the nation using the proton accelerator at LANSCE. Irradiated targets are transferred to our processing facility where we isolate the isotope(s) of interest. Today we are the largest supplier in the world for strontium-82 for cardiac imaging, and are developing actinium-225 as an isotope for targeted alpha therapy. The team right now consists of about 25 staff, technicians, and postdocs doing routine production as well as R&D into future isotope production and applications. The student intern would work with the other processing technicians and learn about isotope production, radiochemistry, radioanalytical techniques, and production of isotopes in a cGMP (pharmaceutical grade) environment. Also opportunity to learn about the nuclear physics side. A good overview of the program is at isotopes.lanl.gov.

Interested students can apply directly to jobs.lanl.gov position IRC35236 (this is a general student appointment), but should also send me a resume. I'm also happy to answer any questions.

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