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Preferred Method of Contact: Email

Project Name(s): Targeted radiotherapy

General Topic (Keywords): targeted radiotherapy, in vivo radionuclide efficacy, in vivo radionuclide biodistribution

Project Description(s): Targeted radiotherapy holds tremendous potential for cancer treatment. In the case of alpha particles, their short range and high linear energy transfer allow them to deliver a highly cytotoxic dose to targeted cells while minimizing damage to surrounding healthy tissue. This project focuses on examining the efficacy and biodistribution of radionuclides in rodent models developed at Lawrence Berkeley National Laboratory with the additional opportunity of examining radionuclide uptake in various human cell lines.

Desired Skills or Experience: CHEM 1A, CHEM 1AL, comfortable working with animal models and radionuclides, excellent written and verbal communication skills

Time Commitment: 3 hour blocks at least twice a week

Preferred Starting Date: May 1, 2018 (negotiable)