

# US DOE Tri-Lab Research and Production Effort to Provide Accelerator-Produced $^{225}\text{Ac}$ for Radiotherapy: 2019 Update

The current availability of accelerator produced  $^{225}\text{Ac}$  from the US Department of Energy Isotope Program's Tri-Lab (ORNL, BNL, LANL) Research and Production Effort to Provide Accelerator-Produced  $^{225}\text{Ac}$  for Radiotherapy will be presented. Additional details will be presented on recent production improvements and ongoing plans for further scaling up our operations. In addition, impacts associated with the radionuclidic quality of the accelerator-produced  $^{225}\text{Ac}$  product, concentrating on the  $^{227}\text{Ac}$  byproduct, will be provided. Specifics regarding preparations for Current Good Manufacturing Practices (CGMP) level of processing, development of a supporting Drug Master File (DMF) and details of routine material availability will also be discussed.

### Funding Agency

US DOE Isotope Program

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### Presentation Type

Contributed Oral

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**Track Classification:** Nuclide Production Supply