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Pacificchem 2020

The International Chemical Congress of

PACIFIC BASIN SOCIETIES 2020

Honolulu, Hawaii, USA; December 15 – 20, 2020



A creative Vision for the future

Advancements in Isotope Production-Providing Important Materials for Research and Applications (#190)

Symposium Organizers: Dr. Ethan Balkin, Ethan.Balkin@science.doe.gov; Dr. Cornelia Hoehr, choehr@triumf.ca; Dr. Kohshin Washiyama, kwashi@fmu.ac.jp

The focus of this symposium is on advancements in the production and purification of isotopes. Isotopes are essential tools in areas ranging from medical treatments to basic research and include industrial as well as international nuclear safeguards applications.

The overall objective of the symposium is to have presentations and discussions on (a) the production of isotopes from different accelerators and generators routes, (b) the chemical isolation and purification of the isotopes, as well as (c) nuclear data which are essential for the production. Acceptable topics include: all aspects of targetry, radionuclide production (α , β , photon, and auger e emitters), associated chemistry and recycling methods, automation, and production related nuclear data (cross section measurements, techniques, etc.)

