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Vol. 1 Issue 11 National Isotope Development Center | **August 2022**

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Feature News





New isotopes courtesy of the University of Alabama at Birmingham

The DOE Isotope Program is excited to announce the addition of three new isotopes to our product catalog!

[Cobalt-55](#), [manganese-52](#), and [vanadium-48](#) offer promise as PET imaging isotopes and are available and ready to quote, thanks to a new partnership with the [University of Alabama at Birmingham \(UAB\) Cyclotron Facility](#). The UAB cyclotron facility is the third university to join the University Isotope Network and will produce a reliable supply of isotopes focused on advancing scientific research.

[Read more](#)

Program News

DOE Isotope Program working to mitigate isotope supply disruption



With current world events in play, the U.S. Department of Energy Isotope Program has been carefully monitoring global radio- and stable isotope supply chains and have put mitigation

plans in place.

If you are having trouble obtaining isotopes, including Ac-225, Am-241, Ba-133, C-14, Cd-109, Ce-139, Cf-252, Co-57, Cs-131, Cs-137, Fe-55, Fe-59, Ge-68, Gd-153, He-3, Ir-192, Kr-85, Mn-54, Ni-63, P-33, Pd-103, Pm-147, Ru-106, Se-75, Sr-82, Sr-90, U-234, W-188, Y-88, enriched stable isotopes, or any other isotope, please contact the National Isotope Development Center at contact@isotopes.gov to convey your concerns and also find out about supply opportunities.

[Read more](#)

DOE Announces \$1 Million for Research on Studies to Accelerate the Evaluation of Novel, Medical Isotopes for Use in Preclinical and Clinical Medical Trials

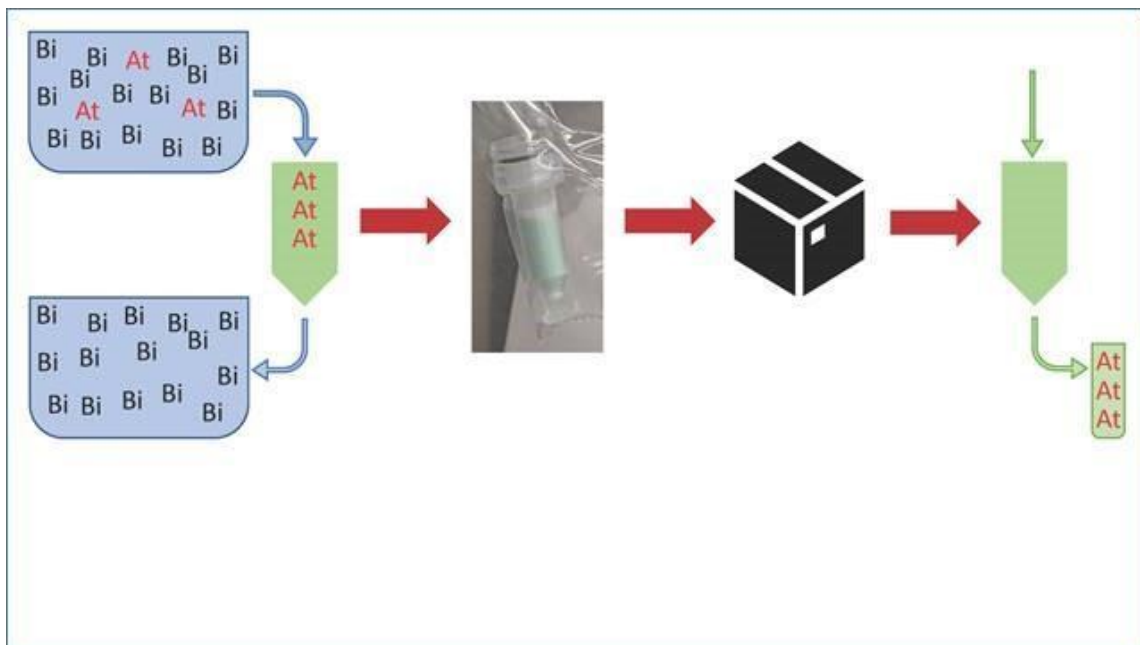


Earlier this year, the **U.S. Department of Energy (DOE)** announced \$1 million in funding for

three awards to advance research and development (R&D) to translate newly developed radioisotopes into evaluation for potential use in preclinical and clinical trials. This funding is part of a key federal program that produces critical isotopes otherwise unavailable or in short supply for U.S. science, medicine, and industry. While this program is administered by the DOE, assessment of submitted proposals was done in coordination with the National Institutes of Health.

[Read more](#)

Cancer Countermeasures on a Column



Researchers supported by the DOE Isotope Program are studying the isotope astatine-211 (At-211) for a new cancer treatment called targeted alpha therapy. This type of treatment may do more damage to cancer cells and cause less harm to the rest of the body than current cancer therapies because it emits alpha particles.

[Read more](#)

Scroll below for a list events, availability notices, job opportunities, and other relevant information

Events

2022 User Group dates announced

ISOTOPE USER GROUP MEETINGS

Actinium-225
THURSDAY SEPT. 1
TIME: 1:00 pm EDT
MODERATOR: Dr. Cathy Cutler

Astatine-211
TUESDAY SEPT. 6
TIME: 1:00 pm EDT
MODERATOR: Dr. Yawen Li

Cerium-134
TUESDAY SEPT. 19
TIME: 1:00 pm EDT
MODERATOR: Dr. Stosh Kozimor

Lead-212
TUESDAY OCT. 4
TIME: 1:00 pm EDT
MODERATOR: Matt O'Hara



In 2022, the DOE Isotope Program will host [four virtual medical isotope user group meetings](#) focused on the following emerging alpha and beta emitters: [actinium-225](#), [astatine-211](#), [lead-212](#), and new this year, [cerium-134](#).

The purpose of the meetings is to facilitate free discussion and collaboration amongst users of specific isotopes and to encourage information exchange with their use in medicine.

These webinar-style sessions will feature brief presentations by leading researchers showcasing their latest progress in these emerging fields, followed by interactive panel discussions. Participants are also encouraged to share insights and ask questions during a moderated Q&A segment.

Click the link below to register for each webinar and add them to your calendar.

[Click here to register](#)



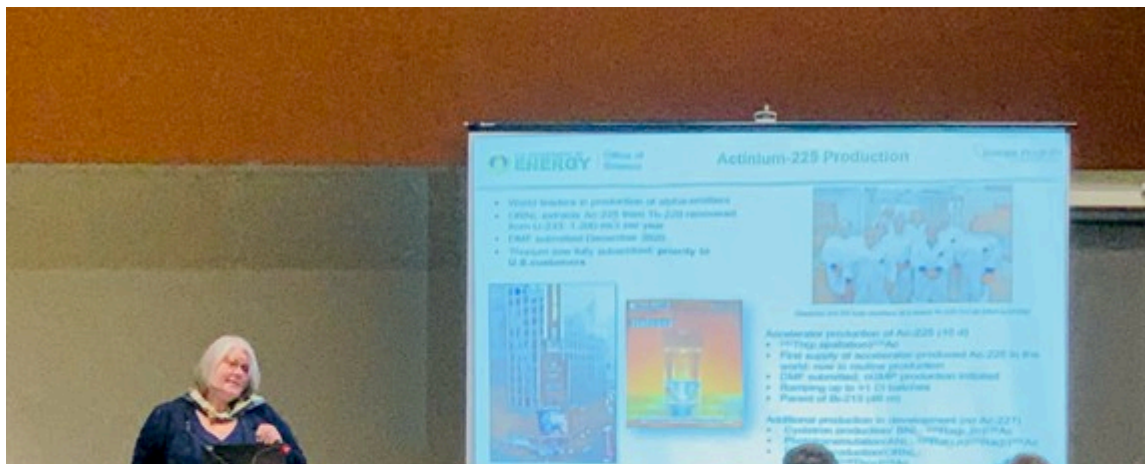
Look for us at EANM '22

The U.S. Department of Energy Isotope Program (DOE IP) will be attending the 35th Annual Congress of the European Association of Nuclear Medicine (EANM) in Barcelona, Spain, October 15-19. Make plans to attend and stop by our booth.

[Learn more about EANM](#)

Thank you for joining us at SNMMI '22

The U.S. DOE Isotope Program and the NIDC would like to thank those of you who joined us at the June 2022 SNMMI Conference in Vancouver. Whether you sat in on one of our User Meetings, the Isotope Program Overview breakfast, a session that was moderated by a member of our team, or visited our booth, we appreciate your interest in our program and look forward to seeing you again in the future.





Isotope Availability

Now Available:
Actinium-227 $^{227}_{89}\text{Ac}$

Entering Market:
Promethium-147 $^{147}_{61}\text{Pm}$

Now Available:
Radium-226 $^{226}_{88}\text{Ra}$

Now Available:
Ytterbium-176 $^{176}_{70}\text{Yb}$

Job Opportunities

[Quality Assurance and Regulatory Affairs Manager](#)

[Systems Engineer](#)

[LabVIEW Electrical Instrumentation & Controls \(EI&C\) Engineer](#)

[Nuclear Facility CMMS Specialist](#)

[Group Leader - REDC Laboratory Chemical Operations](#)

[Section Head - Radioisotope Production Engineering and Analysis](#)

[Browse Careers](#)

Staff News



Cathy Sue Cutler, PhD, FSNMMI, Director of the Medical Isotope Research and Production Program (MIRP) at Brookhaven National Laboratory, has been named as Vice President-elect for the Society of Nuclear Medicine and Molecular Imaging (SNMMI). The MIRP is a

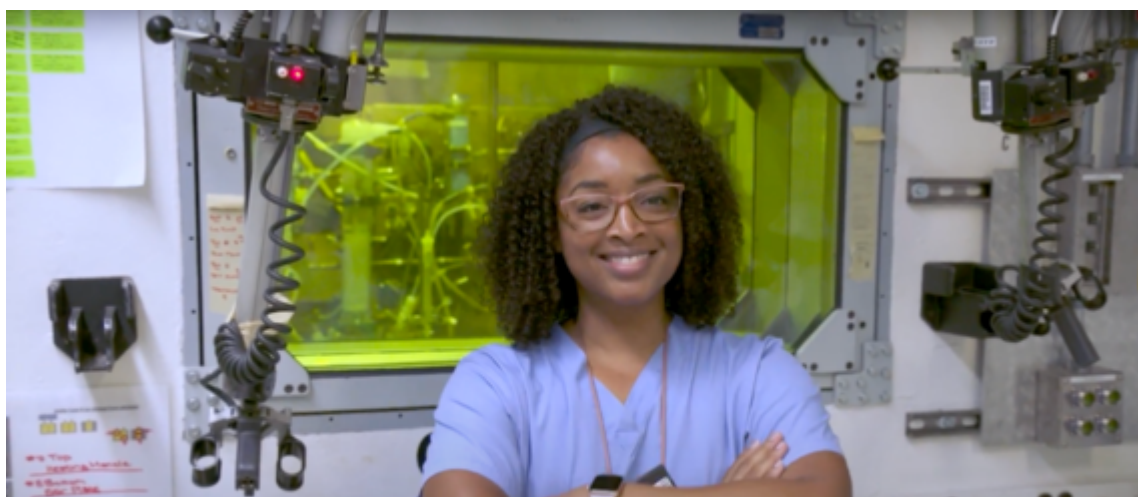
key production site in the DOE Isotope Program and Dr. Cutler is a world leader in the development and production of isotopes.

[Read more](#)



Vanessa A. Sanders, radiochemist at Brookhaven National Laboratory, selected for Long Island Business News 40 under 40.

[Read more](#)

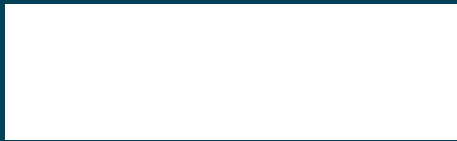




Watch Now - Mission Unstoppable: How do scientist find something that doesn't exist naturally?

Clarice Phelps, ORNL Nuclear Engineer, appeared on Mission Unstoppable showing how an isotope is made.

[Click to watch](#)



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