STEM AT PNNL

Pacific Northwest NATIONAL LABORATORY

So RAD: The Radiological Protection Team

What kinds of radiological particles are there?

What does the RAD Team do to protect scientists who work with radioactive materials?

Why do we need to work with radioactive materials?

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At PNNL, many scientists, engineers, and technicians work with radiological materials. These radiological materials emit particles – alpha, beta, gamma, or neutron – that can harm people. The Radiological Protection Team, or "RAD" Team, works together to help scientists safely conduct their research with radiological materials. The RAD Team understands how alpha, beta, gamma, or neutron particles behave and how they can prevent damage from them. Using a variety of tools, like gloves, fume hoods, glove bags, glove boxes, and hot cells, the RAD Team equips scientists with the tools and training they need to work effectively while minimizing harm.

Many important research fields rely on radioactive materials – like nuclear medicine and nuclear power. To safely make the next discovery that will help humans live longer, more sustainable lives, scientists need the expertise of the RAD Team. The RAD Team's work ensures cutting-edge nuclear research at PNNL occurs as safely as possible.

For more information, visit:
www.pnnl.gov/stem

or email:
stem.education@pnnl.gov

U.S. DEPARTMENT OF ENERGY BATTELLE

This effort aligns with ensuring DOE and the nation have a sustained pipeline of highly skilled and diverse **science**, **technology**, **engineering**, and **mathematics** (STEM) workers.