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Radiation Safety Training Update

Stony Brook University Radiation Protection Services

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Safe Handling of Radioisotopes

- Wear protective clothing
 - Lab coat
 - Gloves (2 pair are a good idea)
- Wear eye protection
 - Safety glasses help reduce beta eye dose
- Survey hands frequently during work, and change gloves as necessary
- Survey, as a minimum, hands, wrists, face, and shoes upon completion of activity
- After removing gloves, thoroughly wash hands using soap and water, before leaving the lab for any reason.
- Do not eat, drink, prepare food, apply cosmetics or smoke in any area where radioactive materials are used or stored, or where contamination may exist.
- Do not leave cigarettes, pipes, or cigars on tables or benches in the vicinity of radioactive materials work.
- Segregate pipetting devices used with radioactive materials from those used with non-radioactive materials
- Survey work surfaces after working with radioactive materials
- Segregate and dispose of radioactive materials in the designated containers (fill out cards)

Safe Handling of Radioisotopes – continued

- DO NOT dispose of radioactive liquids in the sink WITHOUT permission from the Radiation Safety Office
- Store radioactive materials in covered containers, plainly identified and labeled with
 - Compound name
 - Radionuclide
 - Date
 - Activity
 - Radiation level, if appropriate
- Radioactive materials must be under the positive control of the PI or authorized user at all times
 - Lock lab when unattended, or
 - Lock refrigerator or freezer when unattended, or
 - Store in locked container when unattended
- Wear personal exposure monitoring devices (badges and rings) if issued to you.
- Report any lost or missing radioisotopes to the Radiation Safety Officer - 2-9674 immediately