

Visitors Short Safety Training Handout for Kuopio Biomedical Imaging Unit (BIU) at A.I.Virtanen Institute



There are currently four experimental MRI systems (rooms 1104, 1130, 0301, 0315), a hyperpolarizer MRI system (room 0301), microPET- (room 1108/1), microCT- (room 1108/1) and a PET-MRI system (room 1107/1) in Bioteknia 1 building.



Animal and other issues

- Dress code: shoes/covers, coat, hair cover and gloves: avoid transferring allergens from lab to office space
- Eating and drinking are not allowed in the labs
- Minimize your exposure to anesthetics
- If you are pregnant, it is not recommended to work with MRI, radiation or anesthetics
- If you are not sure or don't know if something is safe: **ASK** a member of the MRI group
- If there is something broken or you see something wrong, **INFORM** the MRI group
- **If you have been in contact with mice, rats, other rodents or rabbits there is 2 days quarantine!**



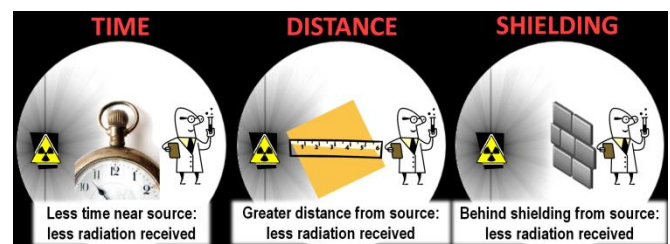
Magnet

- **The magnet is always on**, even during fires, power cuts, etc.
- **THINK & CHECK what is in your hands and pockets before entering the magnet room**
- Ferromagnetic objects: keys, pens or scissors in pocket, tools, electrical devices, belt buckles, wrist watches, eye glasses, etc. Hairpins!!!
- Electronics and magnetic memory strips: wallets, phones, memory sticks...
- **Keep safe distance if you have medical devices** (pacemakers, insulin pumps) **or metal objects in body** (shrapnel, clips, dental devices, etc.)
- Acoustic noise is normal with MRI
- Quench button: check location and when to use
- In case of a quench: leave area immediately



PET and CT

- Be aware of the radiation sources
- **Minimize the exposure**
- ALARA: As Low As Reasonably Achievable
- Dosimeter is needed when working with radiation



For more info please contact:

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