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Intraoperative Imaging of Radioisotopes and Presymposium workshop TOF  
PET

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## Technologies for intraoperative PET and SPECT imaging probes

*Saturday 5 September 2009 12:00 (30 minutes)*

There are a variety of strategies that can be used to detect the emission of positron-emitting (PET) and single photon-emitting (SPECT) radionuclides. The ones used in conventional PET and SPECT cameras cannot be directly applied to intraoperative imaging probes, mostly because of their physical size. Many designs require shielding, which exacerbates the size limitations. This presentation will discuss the requirements and the various technologies that are appropriate for meeting these requirements, and will also explore various potential intraoperative imager configurations.

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