Antibody-based PET probes and GMP regulation at Okayama Medical Innovation Center

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Molecular Imaging,

Realizes Innovation in Future Life Science and Drug Discovery

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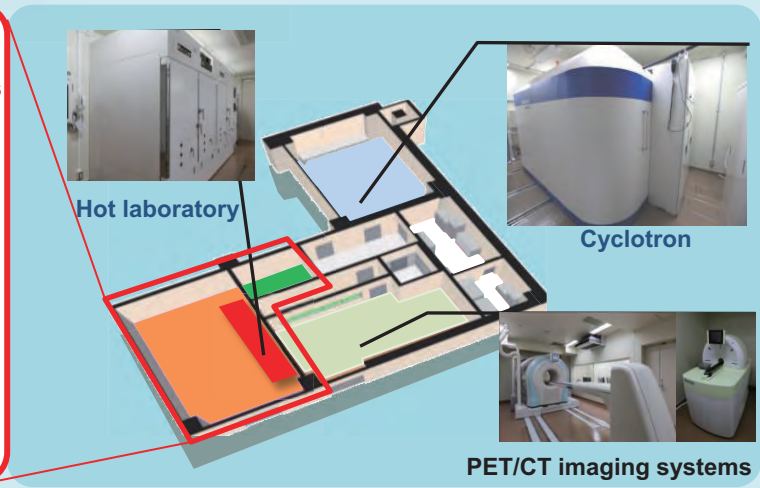
Molecular Imaging Facilities at OMIC

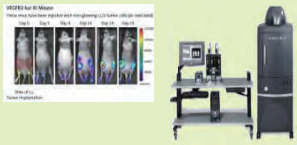
GMP Area

- Hot cells /Clean benches
  Grade A（Class 100）
- Hot Lab
  Grade B（Class10,000）
- Pre-room
  Grade C（Class100,000）



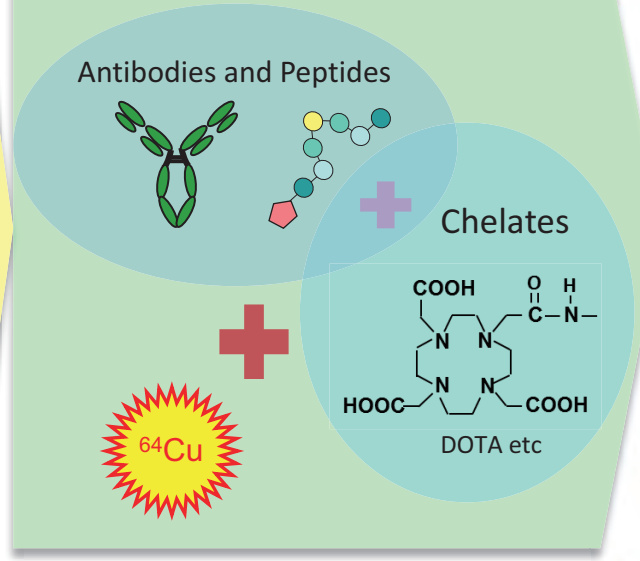
Micro-CT system

Bioluminescence/ Fluorescence *in vivo* imaging system



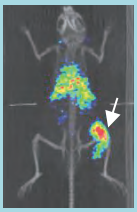
Generating ^{64}Cu

Labeling Antibodies and Peptides



PET/CT Imaging

PET cameras for laboratory animals



PET imaging of tumor xenograft-bearing nude mouse with the ^{64}Cu-DOTA-anti tumor antibody

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