



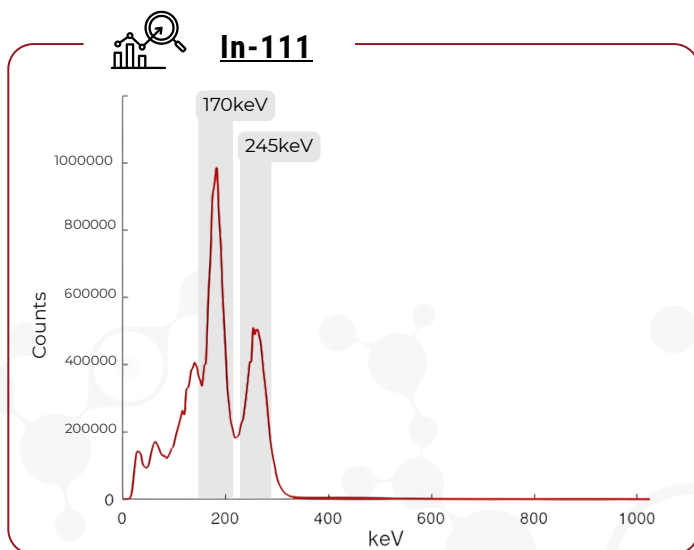
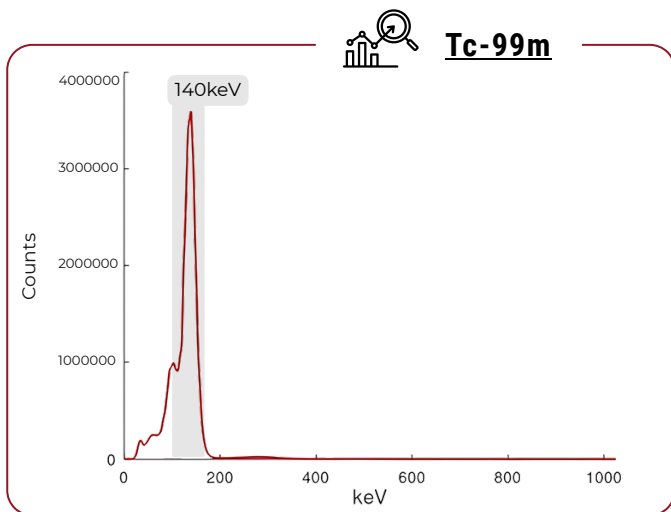
A preclinical *multi-mouse* imaging platform
for fast *in vivo* screening of SPECT and
alpha-emitting radiopharmaceuticals

 **eye**TM



Spectrum Analysis

Imaging energy spectra of
diagnostic SPECT isotopes

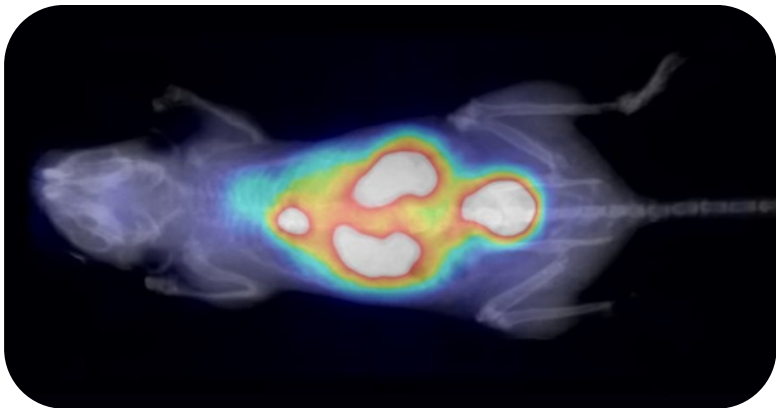


In vivo imaging of **diagnostic**
SPECT isotopes

Applications



Tc-99m

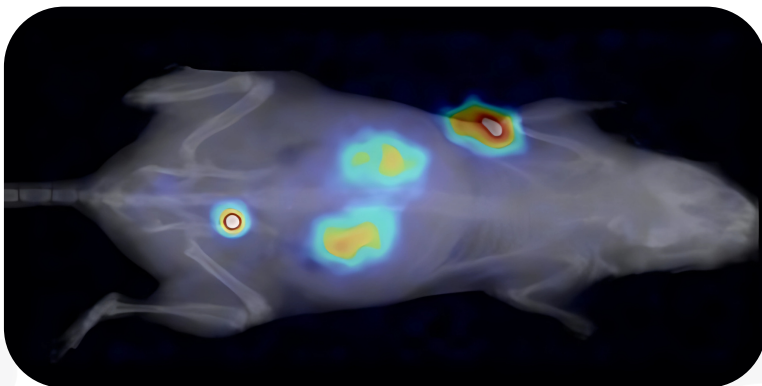


Accumulation of ^{99m}Tc -MIBI radiopharmaceutical

Image info: 24h post injection – 10min scan – injected activity 3MBq



In-111



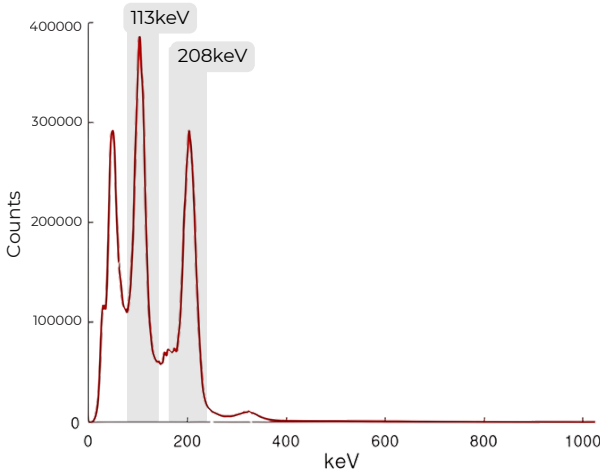
Tumor model imaging with ^{111}In -DOTATATE

Image info: 24h post injection – 10min scan – injected activity 3MBq

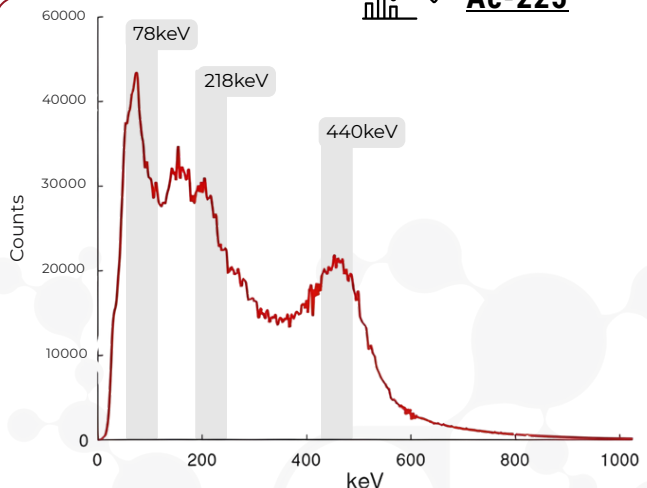
Spectrum Analysis

Imaging energy spectra of **theranostic** SPECT isotopes

Lu-177



Ac-225

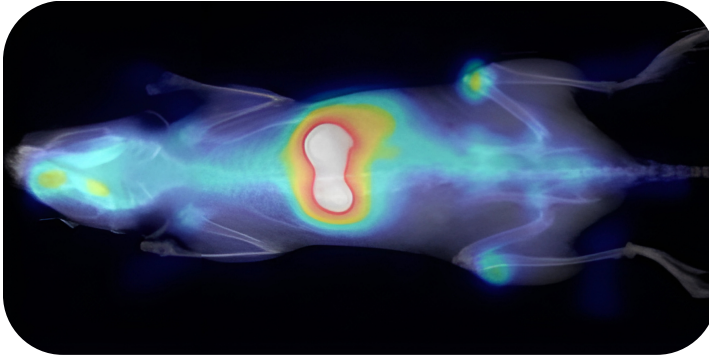


In vivo imaging of **theranostic**
SPECT isotopes

Applications



Lu-177

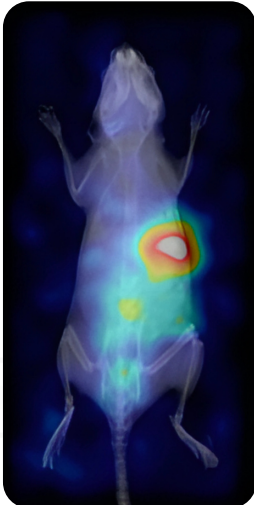


Free ^{177}Lu accumulation in the bones of a healthy mouse
Image info:
24h post injection
20min scan
injected activity
20MBq

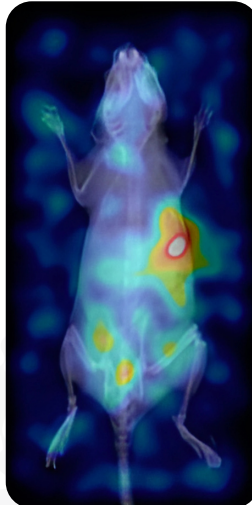


Ac-225

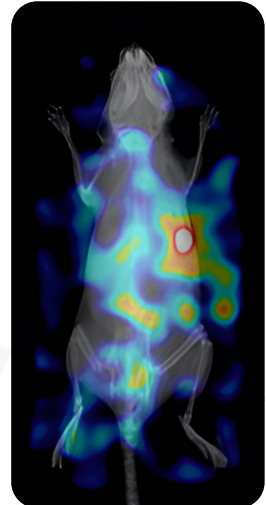
78 keV



218 keV



440 keV



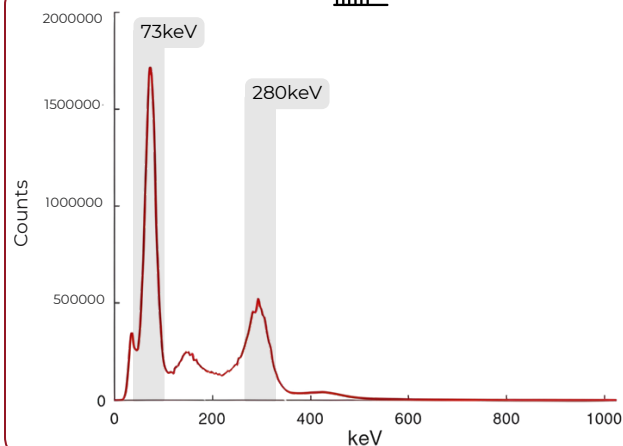
^{225}Ac -labelled FAPI-targeting agent on a HEK-FAP mouse model
Images info: 24h post injection – 20min scan – injected activity 0.19MBq

Spectrum Analysis

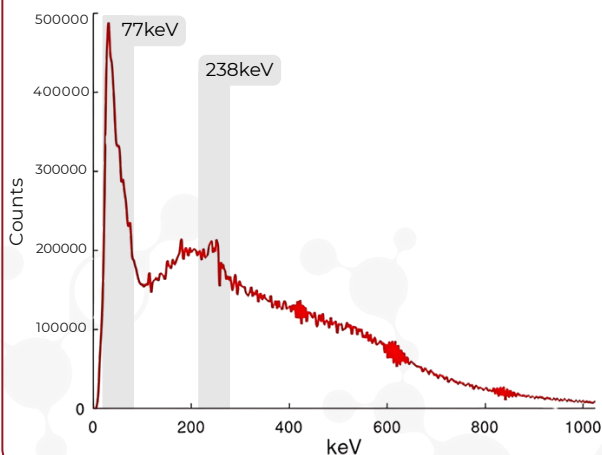
Energy spectra of **Pb-203** and **Pb-212** theranostic pair



Pb-203



Pb-212



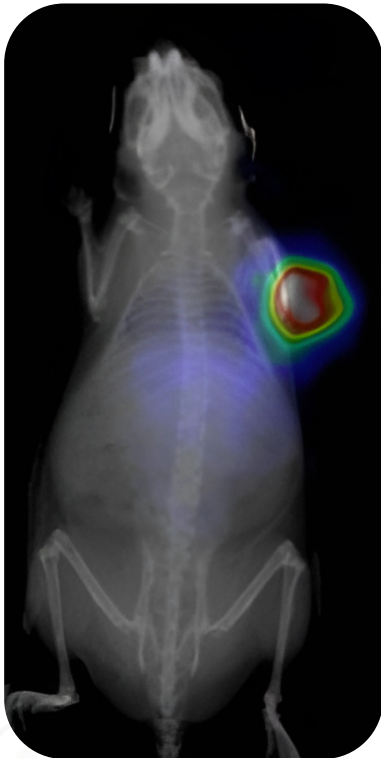
In vivo imaging of **Pb-203** and
Pb-212 theranostic pair

Applications

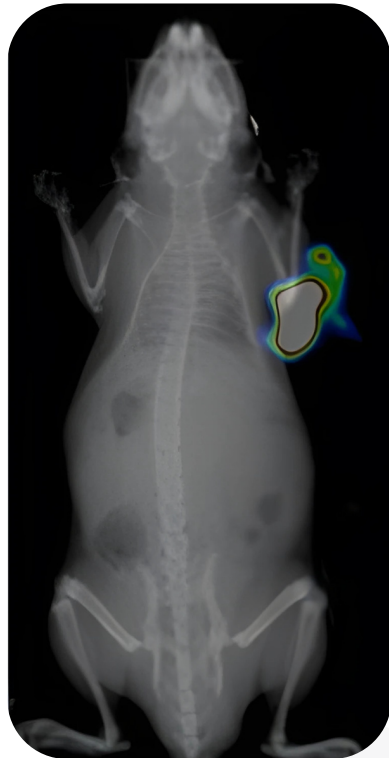


Pb-203 / Pb-212

Pb-203



Pb-212



Tumor imaging with ^{203}Pb / ^{212}Pb (PSC-PEG-T compound)

Images info: 24h post injection – 10min scan with 30sec frames
injected activity 0.89MBq & 0.02MBq accordingly



BIOEMTECH's eyes™ systems are designed to make molecular imaging more accessible, practical and efficient

SCAN ME

