

## 高エネルギー医学研究部門

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
寺崎 一典	高エネルギー医学研究部門	准教授	博士(医学)	核薬学、放射線薬品学	①Iwata R, Terasaki K, Ishikawa Y, Harada R, Furumoto S, Yanai K, Pascali C. A concentration-based microscale method for 18F-nucleophilic substitutions and its testing on the one-pot radiosynthesis of [18F]FET and [18F]fallypride. Appl Radiat Isot. 166:109361 (2020) ②Beppu T, Sato Y, Sasaki T, Terasaki K, Yamashita F, Sasaki M, Ogasawara K. Comparisons between PET with 11C-methyl-L-methionine and arterial spin labeling perfusion imaging in recurrent glioblastomas treated with bevacizumab. Clin Nucl Med. 44(3):186-193 (2019) ③Oikawa K, Kobayashi M, Beppu T, Terasaki K, Ogasawara K. Resolution of hypoxic tissue in cerebellar hemispheres after arterial bypass surgery in a patient with symptomatic bilateral vertebral artery occlusion: a 18F-FRP170 PET study. Clin Nucl Med. 44(4):295-296 (2019) ④Iwata R, Pascali C, Terasaki K, Ishikawa Y, Furumoto S, Yanai K. Practical microscale one-pot radiosynthesis of 18F-labeled probes. J Label Compd Radiopharm. 61:540-549 (2018) ⑤Iwata R, Pascali C, Terasaki K, Ishikawa Y, Furumoto S, Yanai K. Minimization of the amount of Kryptofix 222-KHCO3 for applications to microscale 18F-radiolabeling. Appl Radiat Isot. 125:113-118 (2017)

高エネルギー医学研究部門

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
佐々木 敏秋	高エネルギー医学研究部門	講師	博士(工学)	放射線科学, 核医学	<p>①Beppu, T. , Sato, Y. , Yamada, N. , Terasaki, K. , Sasaki, T. , Sugai, T. , Ogasawara, K. :Impacts on histological features and 11C-methyl-L-methionine uptake after one-shot administration with bevacizumab before surgery in newly diagnosed glioblastoma / Transl Oncol. 12(11):1480-1487 (2019)</p> <p>②Beppu, T. , Sasaki, T. , Sato, Y. , Terasaki, T. :High-Uptake areas on 18F-FRP170 PET image necessarily include proliferating areas in glioblastoma: A superimposed image study combining 18F-FRP170 PET with 11C-methionine PET / Advances in Molecular Imaging. 7:1-11 (2017)</p> <p>③Hasegawa, T. , Oda, K. , Wada, Y. , Sasaki, T. , Sato, Y. , Yamada, T. , Matsumoto, M. , Murayama, H. , Kikuchi, K. , Miyatake, H. , Abe, Y. , Miwa, K. , Akimoto, K. , Wagatsuma, K. :Validation of novel calibration scheme with traceable point-like (22)Na sources on six types of PET scanners / Ann Nucl Med. 27(4):346-354 (2013)</p> <p>④Akiyama, Y. , Sasaki, T. , Odajima, S. , Teraoka, S. , Hosoya, T. , Soma, T. , Miyazaki, Y. , Kinuya, S. , Yamashita, Y. :Improvement of the 99mTc-ECD brain uptake ratio (BUR) method for measurement of cerebral blood flow / Ann Nucl Med. 26(4):351-358 (2012)</p> <p>⑤文部科学省科学研究費補助金「課題名：PETの基礎的詳細表示と定量的機能解析研究」2014年</p>