

病態分子イメージングセンターに係る業績

| 講座等名                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | iPS・幹細胞応用医学講座 | 事業推進者名 | 六車 恵子 |
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| <p>&lt;雑誌論文&gt; (著者名・論文標題・雑誌名・レフェリー有無・巻・ページ・発行年)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |       |
| <p>1) <u>Atsushi Tamada, Shoji Watanabe, Keiko Muguruma</u>. Investigating developmental and disease mechanisms of the cerebellum with pluripotent stem cells. <i>Molecular and Cellular Neuroscience</i>, 107, 2020, 査読有</p> <p>2) Kazuma Kamata, Yuki Otsuka, Keiko Imamura, Akio Oishi, Takayuki Kondo, Mika Suga, Ran Shibukawa, Yasue Okanishi, Yukako Sagara, Kayko Tsukita, Tsutomu Yasukawa, Hideaki Usui, <u>Keiko Muguruma</u>, Akitaka Tsujikawa, Haruhisa Inoue. Generation of a human induced pluripotent stem cell line, BRCi005-A, derived from a Best disease patient with BEST1 mutations. <i>Stem Cell Research</i>, 45: 101782-101782, 2020, 査読有</p> <p>3) Kazuma Kamata, Yuki Otsuka, Keiko Imamura, Akio Oishi, Takayuki Kondo, Mika Suga, Ran Shibukawa, Yasue Okanishi, Yukako Sagara, Kayko Tsukita, Tsutomu Yasukawa, Hideaki Usui, <u>Keiko Muguruma</u>, Akitaka Tsujikawa, Haruhisa Inoue. Generation of a human induced pluripotent stem cell line, BRCi004-A, derived from a patient with age-related macular degeneration. <i>Stem Cell Research</i>, 45: 101787-101787, 2020, 査読有</p> <p>4) Ryusaku Matsumoto, Hidetaka Suga, Takashi Aoi, Hironori Bando, Hidenori Fukuoka, Genzo Iguchi, Satoshi Narumi, Tomonobu Hasegawa, <u>Keiko Muguruma</u>, Wataru Ogawa, Yutaka Takahashi. Congenital pituitary hypoplasia model demonstrates hypothalamic OTX2 regulation of pituitary progenitor cells. <i>Journal of Clinical Investigation</i>, 130(2): 641-654, 2020, 査読有</p> <p>5) Yohei Isshiki, Taikopaul Kaneko, <u>Atsushi Tamada, Keiko Muguruma</u>, Ryuji Yokokawa. Co-culture of a brain organoid derived from human iPSCs and vasculature on a chip. <i>The 33rd IEEE International conference on microelectron mechanical systems (MEMS 2020)</i>, 1024-1027, 2020, 査読有</p> <p>6) Keitaro Kanie, Hironori Bando, Genzo Iguchi, <u>Keiko Muguruma</u>, Ryusaku Matsumoto, Ryoko Hidaka-Takeno, Yasuhiko Okimura, Masaaki Yamamoto, Yasunori Fujita, Hidenori Fukuoka, Kenichi Yoshida, Kentaro Suda, Hitoshi Nishizawa, Wataru Ogawa, Yutaka Takahashi. Pathogenesis of Anti-PIT-1 Antibody Syndrome: PIT-1 presentation by HLA class I on anterior pituitary cells, <i>Journal of the Endocrine Society</i>, 3(11): 1969-1978, 2019, 査読有</p> <p>7) Ishikawa Y, Okada M, Honda A, Ito Y, <u>Tamada A</u>, Endo N, Igarashi M. Phosphorylation sites of microtubule-associated protein 1B (MAP 1B) are involved in axon growth and regeneration, <i>Molecular Brain</i>, 12(1): 93, 2019, 査読有</p> |               |        |       |
| <p>&lt;図書&gt; (著者名・出版社・書名・発行年・総ページ数)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |        |       |
| <p>1) <u>六車恵子</u>: iPS細胞を用いた小脳の発生と病態の解明, <i>Clinical Neuroscience</i> 37(8): 1011-1014, 2019.</p> <p>2) <u>六車恵子</u>, 小脳オルガノイドの作製とプルキンエ細胞への誘導. 実験医学別冊 決定版オルガノイド実験スタンダード, pp.77-86, 羊土社, 2019.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |        |       |
| <p>&lt;学会発表&gt; (発表者名・発表標題・学会名・開催地(海外の場合は国名と都市名)・発表年月)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |        |       |
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| <p>&lt;特許申請・取得状況&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |        |       |
| <p>該当なし</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |        |       |