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　真理	超高磁場ＭＲＩ診断・病態研究部門	教授	博士（医学）	放射線科学 神経放射線診断学 磁気共鳴医学	① Ikebe Y, Sato R, Amemiya T, Udo N, Matsushima M, Yabe I, Yamaguchi A, Sasaki M, Harada M, Matsukawa N, Kawata Y, Bito Y, Shirai T, Ochi H, Kudo K: Prediction of amyloid positron emission tomography positivity using multiple regression analysis of quantitative susceptibility mapping. Magn Reson Imaging. 103:192-197 (2023) ② Sato R, Kudo K, Udo N, Matsushima M, Yabe I, Yamaguchi A, Tha KK, Sasaki M, Harada M, Matsukawa N, Amemiya T, Kawata Y, Bito Y, Ochi H, Shirai T: A diagnostic index based on quantitative susceptibility mapping and voxel-based morphometry may improve early diagnosis of Alzheimer's disease. Eur Radiol. 32(7):4479-4488 (2022) ③ Toyoda K, Inoue M, Yoshimura S, Yamagami H, Sasaki M, Fukuda-Doi M, Kimura K, Asakura K, Miwa K, Kanzawa T, Ihara M, Kondo R, Shiozawa M, Ohtaki M, Kamiyama K, Itabashi R, Iwama T, Aoki J, Minematsu K, Yamamoto H, Koga M; THAWS trial investigators: Magnetic resonance imaging-guided thrombolysis (0.6 mg/kg) was beneficial for unknown onset stroke above a certain core size: THAWS RCT substudy. Stroke. 52(1):12-19 (2021) ④ Suzuki T, Natori T, Sasaki M, Miyazawa H, Narumi S, Ito K, Kamada A, Yoshida M, Tsuda K, Yoshioka K, Terayama Y: Evaluating recanalization of relevant lenticulostriate arteries in acute ischemic stroke using high-resolution MRA at 7T. Int J Stroke. 16(9):1039-1046 (2021) ⑤ Miyazawa H, Natori T, Kameda H, Sasaki M, Ohba H, Narumi S, Ito K, Sato M, Suzuki T, Tsuda K, Yoshioka K, Terayama Y: Detecting lenticulostriate artery lesions in patients with acute ischemic stroke using high-resolution MRA at 7T. Int J Stroke. 14(3):290-297 (2019)
山下　典生	超高磁場ＭＲＩ診断・病態研究部門	准教授	博士（医学）	医用画像 画像処理 画像診断システム	① Yamashita F, Sasaki M, Fukumoto K, Otsuka K, Uwano I, Kameda H, Endoh J, Sakai A: Detection of changes in the ventral tegmental area of patients with schizophrenia using neuromelanin-sensitive MRI. Neuroreport. 27(5):289-294 (2016) ② Yamashita F, Sasaki M, Saito M, Mori E, Kawaguchi A, Kudo K, Natori T, Uwano I, Ito K, Saito K: Voxel-based morphometry of disproportionate cerebrospinal fluid space distribution for the differential diagnosis of idiopathic normal pressure hydrocephalus. J Neuroimaging. 24(4):359-365 (2014) ③ Maikusa N, Yamashita F, Tanaka K, Abe O, Kawaguchi A, Kabasawa H, Chiba S, Kasahara A, Kobayashi N, Yuasa T, Sato N, Matsuda H and Iwatsubo T: Improved volumetric measurement of brain structure with a distortion correction procedure using an ADNI phantom. Med Phys. 40(6):062303 (2013) ④ Yamashita F, Sasaki M, Takahashi S, Matsuda H, Kudo K, Narumi S, Terayama Y, Asada T: Detection of changes in cerebrospinal fluid space in idiopathic normal pressure hydrocephalus using voxel-based morphometry. Neuroradiology. 52(5):381-386 (2010) ⑤ 特許第6211211号「名称：磁気共鳴イメージング装置用ファントム」

上野　育子	超高磁場ＭＲＩ診断・病態研究部門	講師	博士 （ソフトウェア情報学） 博士 （医学）	医用画像 画像処理 画像診断システム	① Takahashi T, Uwano I, Akamatsu Y, Chida K, Kobayashi M, Yoshida K, Fujiwara S, Kubo Y, Sasaki M, Ogasawara K: Prediction of cerebral hyperperfusion following carotid endarterectomy using intravoxel incoherent motion magnetic resonance imaging. J Stroke Cerebrovasc Dis. 32(2):106909 (2023) ② Nose Y, Uwano I, Tateishi U, Sasaki M, Yokota T, Sanjo N: Quantitative clinical and radiological recovery in post-operative patients with superficial siderosis by an iron chelator. J Neurol. 269(5):2539-2548 (2022) ③ Uwano I, Kobayashi M, Setta K, Ogasawara K, Yamashita F, Mori F, Matsuda T, Sasaki M: Assessment of impaired cerebrovascular reactivity in chronic cerebral ischemia using intravoxel incoherent motion magnetic resonance imaging. J Stroke Cerebrovasc Dis. 30(12):106107 (2021) ④ Uwano I, Kameda H, Harada T, Kobayashi M, Yanagihara W, Setta K, Ogasawara K, Yoshioka K, Yamashita F, Mori F, Matsuda T, Sasaki M: Detection of impaired cerebrovascular reactivity in patients with chronic cerebral ischemia using whole-brain 7T MRA. J Stroke Cerebrovasc Dis. 29(9):105081 (2020) ⑤ Uwano I, Kudo K, Sato R, Ogasawara K, Kameda H, Nomura JI, Mori F, Yamashita F, Ito K, Yoshioka K, Sasaki M: Noninvasive assessment of oxygen extraction fraction in chronic ischemia using quantitative susceptibility mapping at 7 Tesla. Strok. 48(8):2136-2141 (2017)
松田　豪	超高磁場ＭＲＩ診断・病態研究部門	助教	修士（医科学）	医用画像 画像診断システム 生体計測	① Matsuda T, Iwadate Y, Mori F, Takeda K, Sasaki M: Using phase difference information to detect errors in the flip angle measured with actual flip angle imaging at 7T. Magn Reson Med Sci. (Epub 2022) ② Tsutsui S, Matsuda T, Takeda K, Sasaki M, Kubo Y, Setta K, Fujiwara S, Chida K, Ogasawara K: Assessment of heating on titanium alloy cerebral aneurysm clips during 7T MRI. AJNR Am J Neuroradiol. 43(7):972-977 (2022) ③ Ishida S, Kimura H, Takei N, Fujiwara Y, Matsuda T, Kanamoto M, Matta Y, Kosaka N, Kidoya E: Separating spin compartments in arterial spin labeling using delays alternating with nutation for tailored excitation (DANTE) pulse: a validation study using T2 -relaxometry and application to arterial cerebral blood volume imaging. Magn Reson Med. 87(3):1329-1345 (2022) ④ Tsutsui S, Matsuda T, Takeda K, Sasaki M, Fujimoto K, Yanagihara W, Koji T, Kubo Y, Ogasawara K: Quantitative assessment of susceptibility artifacts produced by titanium alloy cerebral aneurysm clips on 7 tesla magnetic resonance images. Journal of Iwate Medical Assiociation. 73(5):215-226 (2021) ⑤ Setta K, Matsuda T, Sasaki M, Chiba T, Fujiwara S, Kobayashi M, Yoshida K, Kubo Y, Suzuki M, Yoshioka K, Ogasawara K: Diagnostic accuracy of screening arterial spin-labeling mri using hadamard encoding for the detection of reduced CBF in adult patients with ischemic moyamoya disease. AJNR Am J Neuroradiol. 42(8):1403-1409 (2021)

森　太志	超高磁場ＭＲＩ診断・病態研究部門	助教	博士（情報科学）	数値流体力学解析 バイオメカニクス 画像処理	① Mori F, Kaneko A, Matsuzawa T, Nishimura T: Computational fluid dynamics simulation wall model predicting air temperature of the nasal passage for nonhuman primates. Am J Phys Anthropol. 174(4): 839-845 (2021) ② Mori F, Ishida F, Natori T, Miyazawa H, Kameda H, Harada T, Yoshioka K, Yamashita F, Uwano I, Ito K, Sasaki M: Computational fluid dynamics analysis of lateral striate arteries in acute ischemic stroke using 7T high-resolution magnetic resonance angiography. J Stroke Cerebrovasc Dis. 28(11):104339 (2019) ③ Oshida S, Mori F, Sasaki M, Sato Y, Kobayshi M, Yoshida K, Fujiwara S, Ogasawara K: Wall shear stress and T1 contrast ratio are associated with embolic signals during carotid exposure in endarterectomy. Stroke. 49(9):2061-2066 (2018) ④ Mori F, Hanida S, Kumahata K, Miyabe-Nishiwaki T, Suzuki J, Matsuzawa T, Nishimura T: Minor contributions of the maxillary sinus to the air-conditioning performance in macaque monkeys. J Exp Biol. 218(Pt15):2394-2401 (2015) ⑤ Mori F, Ohta M, Matsuzawa T: Changes in blood flow due to stented parent artery expansion in an intracranial aneurysm. Technol Health Care. 23(1):9-21 (2015)