

Masayuki Tsukasaki

Curriculum Vitae



Professor
Department of Biochemistry, School of Dentistry, Showa Medical University, Japan

Educational Background & Professional Experience

2024 Oct–2024	Professor, Department of Biochemistry, School of Dentistry, Showa Medical University
2021–2024	Associate professor, Department of Osteoimmunology, Graduate School of Medicine and Faculty of Medicine, The University of Tokyo
2020–2024	PI, Japan Agency for Medical Research and Development (AMED)Prime
2018–2020	Assistant Professor, Department of Immunology, Graduate School of Medicine and Faculty of Medicine, The University of Tokyo
2015–2018	Research Fellow of the Japan Society for the Promotion of Science (PD)
2018	Research Fellow of the Japan Society for the Promotion of Science (DC1)
2018	Graduated from the Graduate School of Medicine, the University of Tokyo, Ph.D.
2013	Graduated from the Showa University School of Dentistry, D.D.S.

Research Interests

Osteoimmunology, bone biology, immunology, oral biology

Publications

1. Kazutaka Nakamura, Masayuki Tsukasaki*(corresponding author), Takaaki Tsunematsu, Minglu Yan, Yutaro Ando, Nam Cong–Nhat Huynh, Kyoko Hashimoto, Qiao Gou, Ryunosuke Muro, Ayumi Itabashi, Takahiro Iguchi, Kazuo Okamoto, Takashi Nakamura, Kenta Nakano, Tadashi Okamura, Tomoya Ueno, Kosei Ito, Naozumi Ishimaru, Kazuto Hoshi, Hiroshi Takayanagi. The periosteum provides a stromal defence against cancer invasion into the bone. Nature 634:474–481, 2024.
2. Minglu Yan, Noriko Komatsu, Ryunosuke Muro, Nam Cong–Nhat Huynh, Yoshihiko Tomofuji, Yukinori Okada, Hiroshi I. Suzuki, Hiroyuki Takaba, Riko Kitazawa, Sohei Kitazawa, Warunee Pluemsakunthai, Yuichi Mitsui, Takashi Satoh, Tadashi Okamura, Takeshi Nitta, Sin–Hyeog Im, Chan Johng Kim, George Kollias, Sakae Tanaka, Kazuo Okamoto, Masayuki Tsukasaki & Hiroshi Takayanagi. ETS1 governs pathological tissue–remodeling programs in disease–associated fibroblasts. Nature Immunology 23(9) 1330–1341. 2022.
3. Masayuki Tsukasaki, Noriko Komatsu, Takako Negishi–Koga, Nam Cong–Nhat Huynh, Ryunosuke Muro, Yutaro Ando, Yuka Seki, Asuka Terashima, Warunee Pluemsakunthai, Takeshi Nitta, Takashi Nakamura, Tomoki Nakashima, Shinsuke Ohba, Haruhiko Akiyama, Kazuo Okamoto, Roland Baron & Hiroshi Takayanagi. Periosteal stem cells control growth plate stem cells during postnatal skeletal growth. Nature Communications 13(1):4166. 2022.
4. Masayuki Tsukasaki, Nam Cong–Nhat Huynh, Kazuo Okamoto, Ryunosuke Muro, Asuka Terashima, Yoshitaka Kurikawa, Noriko Komatsu, Warunee Pluemsakunthai, Takeshi Nitta, Takaya Abe, Hiroshi Kiyonari, Tadashi Okamura, Mashito Sakai, Toshiya Matsukawa, Michihiro Matsumoto, Yasuhiro Kobayashi, Josef M. Penninger & Hiroshi Takayanagi. Stepwise cell fate decision pathways during osteoclastogenesis at single–cell resolution. Nature Metabolism 2(12) 1382–1390, 2020.
5. Masayuki Tsukasaki, Noriko Komatsu, Kazuki Nagashima, Takeshi Nitta, Warunee Pluemsakunthai, Chisa Shukunami, Yoichiro Iwakura, Tomoki Nakashima, Kazuo Okamoto & Hiroshi Takayanagi. Host defense against oral microbiota by bone–damaging T cells. Nature Communications 16;9(1):701. 2018.