

Division of Human Biology

Department of Integrated Human Sciences

Outline

Biology, especially human physiology, is important for understanding the pharmaceutical sciences. In the Department of Integrated Human Sciences, we educate students on the basic knowledge of biology and physiology to help them understand specialized subjects, such as pharmacology, pathophysiology, etc. Our laboratory investigates mechanisms of neural and local regulation of blood flow.

Faculty members

Associate Professor: Takeharu Niioka, Ph.D.

Main research in progress

Biology

Physiology

Current publications

Lysophosphatidic acid induces shear stress-dependent contraction in mouse aortic strip in situ. *J. Cardiovasc. Pharmacol.*, 2013, 62: 530-8. Niioka T., Ohata H., Momose K. and Honda H.

Parasympathetic reflex vasodilatation in the masseter muscle compensates for carotid hypoperfusion during the vagusmediated depressor response. *Brain Res.*, 2010, 1370: 145-53. Ishii, H., Niioka, T. and Izumi, H.

Vagal visceral inputs to the nucleus of the solitary tract: involvement in a parasympathetic reflex vasodilator pathway in the rat masseter muscle. *Brain Res.*, 2009, 1312: 41-53. Ishii, H., Niioka, T. and Izumi, H.

Regional differences in blood flow variation in rat masseter muscle. *Arch. Oral Biol.*, 2009, 54: 1022-8. Niioka, T. Ishii, H. and Izumi, H.

Involvement of vasoactive intestinal polypeptide in the parasympathetic vasodilatation of the rat masseter muscle. *Arch. Oral Biol.*, 2009, 54: 909-16. Niioka, T. Ishii, H. and Izumi, H.