

Taijun Myosho, PhD

Research Assistant Professor, Laboratory of Molecular Reproductive Biology, Graduate
Division of Nutritional and Environmental Sciences, University of Shizuoka, Japan
Tel. +81-54-264-5791
E-mail. taijun@u-shizuoka-ken.ac.jp.

Education

Doctor of Philosophy in Graduate School of Science and Technology, Niigata University,
2012

Master of Science in Graduate School of Science and Technology, Niigata University,
2009

Bachelor of Science in Graduate School of Science, Niigata University, 2007

Employment

University of Shizuoka, School of Food and Nutritional Sciences, Research Assistant
Professor, 2016-present

Niigata University, Institute of Science and Technology, Research Assistant
Professor, 2012-2016

Specialty

Genetics, Evolutionary Biology

Publication

- 1) **Myosho T**, Horie Y, Sato T, Sakaizumi M, Hamaguchi S, Kobayashi, T.: Androgen induces gonadal soma-derived factor, *Gsdf*, in XX gonads correlated to sex-reversal but not *Dmrt1* directly, in the teleost fish, northern medaka (*Oryzias sakaizumii*). *Mol. Cell. Endocrinol.*, 436, 141-149. (2016)
- 2) **Myosho T**, Takehana Y, Hamaguchi S, Sakaizumi M.: Turnover of sex chromosomes in *celebensis* group medaka fishes. G3 (Bethesda). 2015 Oct 23. pii: g3.115.021543.
- 3) Takehana Y, Matsuda M, **Myosho T**, Suster ML, Kawakami K, Shin-I T, Kohara Y, Kuroki Y, Toyoda A, Fujiyama A, Hamaguchi, Sakaizumi M, Naruse K.: Co-option of Sox3 as the male-determining factor on the Y chromosome in the fish *Oryzias dancena*. *Nat Commun*, 2014 Jun 20;5:4157.

- 4) **Myosho T**, Takehana Y, Sato T, Hamaguchi S, Sakaizumi M.: The origin of the large metacentric chromosome pair in Chinese medaka (*Oryzias sinensis*). Ichthyol Res. 2012 59(4): 384-388.
- 5) **Myosho T**, Otake H, Masuyama H, Matsuda M, Kuroki Y, Fujiyama A, Naruse K, Hamaguchi S, Sakaizumi M.: Tracing the emergence of a novel sex-determining gene in medaka, *Oryzias luzonensis*. Genetics. 2012 May; 191(1): 163-70.
- 6) Otake H, Masuyama H, Mashima Y, Shinomiya A, **Myosho T**, Nagahama Y, Matsuda M, Hamaguchi S, Sakaizumi M.: Heritable artificial sex chromosomes in the medaka, *Oryzias latipes*. Heredity (Edinb). 2010 Sep; 105(3): 247-56.