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Education

2012 B.S. Faculty of Agriculture, Kyoto University
2014 M.S. Graduate School, Division of Agriculture, Kyoto University
2017 Ph.D. Graduate School, Division of Agriculture, Kyoto University

Professional Experience

2015–2017 JSPS Research Fellowships for Young Scientists
2017–present Appointed Assistant Professor, Department of Pharmaceutical
Sciences, University of Shizuoka (Principal Investigator: Prof. Kenji Watanabe)

Publications

1. **Masuya, T.**, Okuda, K., Murai, M., and Miyoshi, H.
Characterization of the reaction of decoupling ubiquinone with bovine
mitochondrial respiratory complex I
Biosci. Biotechnol. Biochem. 80, 1464–1469 (2016)
2. Murai, M., Inaoka, H., **Masuya, T.**, Aburaya, S., Aoki, W., and Miyoshi, H.
Specific methylation of Asp160 (49 kDa subunit) located inside the quinone binding
cavity of bovine mitochondrial complex I
Biochemistry 55, 3189–3197 (2016)
3. **Masuya, T.**, Murai, M., Morisaka, H., and Miyoshi, H.
Pinpoint chemical modification of Asp160 in the 49 kDa subunit of bovine
mitochondrial complex I via a combination of ligand-directed tosyl chemistry and
click chemistry
Biochemistry 53, 7816–7823 (2014)
4. **Masuya, T.**, Murai, M., Ifuku, K., Morisaka, H., and Miyoshi, H.
Site-specific chemical labeling of mitochondrial respiratory complex I through
ligand-directed tosylate chemistry

Biochemistry 53, 2307–2317 (2014)