

## 教員プロフィール

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専門分野：生化学、分子生物学

研究テーマ：ヒトの生活に有用な微生物由来の酵素の研究

業績：

1. Sugawara K., Igeta E., Amano Y., Hyuga M., Sugano Y. Degradation of antifungal anthraquinone compounds is a probable physiological role of DyP secreted by *Bjerkandera adusta*, **AMB Express** 2019; 9: 56
2. Sugawara K., Nishihashi Y., Narioka T., Yoshida T., Morita M., Sugano Y. Characterization of a novel DyP-type peroxidase from *Streptomyces avermitilis*. **J Biosci Bioeng.** 2017; 123: 425-430
3. Sugawara K., Fujikawa M., Yoshida M. Screening of protein kinase inhibitors and knockdown experiments identified four kinases that affect mitochondrial ATP synthesis activity. **FEBS Lett.** 2013; 587: 3843-3847.
4. Sugawara K., *et al.* Structural modeling of mutant alpha-glucosidases resulting in a processing/transport defect in Pompe disease. **J Hum Genet.** 2009; 54: 324-330.
5. Sugawara K., *et al.* Molecular interaction of imino sugars with human alpha-galactosidase: Insight into the mechanism of complex formation and pharmacological chaperone action in Fabry disease. **Mol Genet Metab.** 2009; 96: 233-238.
6. Sugawara K., Ito S., Kageyama Y., Hara Y. N-terminal portion of Na,K-ATPase  $\alpha$ 1-subunit interact with  $\beta$ 1-subunit. **Membrane** 2009; 34: 38-43.
7. Sugawara K., Ohno K., Saito S., Sakuraba H. Structural characterization of mutant alpha-galactosidases causing Fabry disease. **J Hum Genet.** 2008; 53: 812-824.
8. Sugawara K., Saito S., Ohno K., Okuyama T., Sakuraba H. Structural study on mutant alpha-L-iduronidases: insight into mucopolysaccharidosis type I. **J Hum Genet.** 2008; 53: 467-474.

他

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