

CURRICULUM VITAE

Ryota SHIZU, Ph.D.

Research Assistant Professor,
Department of Molecular Toxicology,
School of Pharmaceutical Sciences, University of Shizuoka.
Telephone: +81-54-264-5680
E-mail: r_shizu@u-shizuoka-ken.ac.jp



Education:

Apr, 2011-Mar, 2014 Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai, Japan (Ph.D.)
Apr, 2009-Mar, 2011 Graduate School of Pharmaceutical Sciences, Showa University, Tokyo, Japan (Master)
Apr, 2005-Mar, 2009 Showa University, Tokyo, Japan

Professional Experience:

Apr, 2017-present **Research** Assistant Professor, Department of Molecular Toxicology, School of Pharmaceutical Sciences, University of Shizuoka.
Mar, 2016-Mar, 2017 JSPS Research Fellowship for Japanese Biomedical and Behavioral Researchers (NIH)
Apr, 2014-Mar, 2017 Visiting Fellow, Pharmacogenetics group, Reproductive & Developmental Biology Laboratory Branch, National Institute of environmental Sciences, NIH, Research Triangle Park, NC, USA

Research Interests: Toxicology, Nuclear receptors, Drug metabolism, Gene transcription, Liver regeneration, Liver hypertrophy,

Qualification and skills:

March, 2014 Ph. D (Pharm.D., Tohoku University)
May, 2009 Japanese pharmacist

Publications:

Original papers:

1. **Shizu, R.**, Osabe, M, Perera, L, Moore, R, Sueyoshi, T, Negishi, M, Phosphorylated nuclear receptor CAR forms a homodimer to repress its constitutive activity for ligand activation. *Mol Cell Biol*. In press 2017.
2. **Shizu R.**, Abe T, Benoki S, Takahashi M, Kodama S, Miyata M, Matsuzawa A, Yoshinari K, PXR stimulates growth factor-mediated hepatocyte proliferation by cross-talk with FOXO transcription factor. *Biochem J*. 473(3):257-66. 2015
3. **Shizu R.**, Benoki S, Numakura Y, Kodama S, Miyata M, Yamazoe Y, Yoshinari K. Xenobiotic-induced hepatocyte proliferation associated with constitutive active/androstane receptor (CAR) or peroxisome proliferator-activated receptor α (PPAR α) is enhanced by pregnane X receptor (PXR) activation in mice. *PLoS One*. 8: e61802. 2013
4. **Shizu R.**, Shindo S, Yoshida T, Numazawa S. Cross-talk between constitutive androstane receptor and hypoxia-inducible factor in the regulation of gene expression. *Toxicology Letters*. 219: 143-150. 2013
5. **Shizu R.**, Shindo S, Yoshida T, Numazawa S. MicroRNA-122 down-regulation is involved in phenobarbital-mediated activation of the constitutive androstane receptor. *PLoS One*. 7: e41291. 2012

Reviews and book chapters:

1. **Shizu R.**, Numazawa S, Yoshida T. Involvement of microRNA in the induction of drug-metabolizing enzymes. *Yakugaku Zasshi*.132: 311-318. 2012

Presentations:

Oral presentation:

1. **Shizu R.**, Osabe M., Mutoh S., Moore R., Sueyoshi T and Negishi M, Gordon Research Conference (Drug Metabolism), Holderness, NH, 2015 (**selected speaker as a young scientist**)

Poster presentation:

1. **Shizu R.**, Osabe M, Perera L, Moore R, Negishi M, The 21st International symposium on Microsomes and Drug Oxidations, Davis, CA, 2016 (**Best poster award**)
2. **Shizu R.**, Osabe M., Mutoh S., Moore R., Sueyoshi T and Negishi M, Gordon Research Conference (Drug Metabolism), Holderness, NH, 2015
3. **Shizu R.**, Benoki S., Takahashi M., Kodama S., Yamazoe S. and Yoshinari K., International Society for the Study of Xenobiotics (ISSX) 10th International Meeting, Toronto, Ontario, Canada 2013