

# Curriculum Vitae (July 1<sup>st</sup>, 2024)

## Takumi SATO, Ph.D.

Research Assistant Professor,  
Medical Biochemistry,  
School of Pharmaceutical Sciences, University of Shizuoka.  
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### Education

April 2020 - March 2024 Ph. D. in Pharmaceutical Sciences, **University of Shizuoka**,  
Shizuoka, Japan  
April 2013 - March 2019 Bachelor of Pharmaceutical Sciences, **Nihon University**, Chiba,  
Japan, 2019

### Employment

July 2024 - present Research Assistant Professor, Medical Biochemistry, School of  
Pharmaceutical Sciences, **University of Shizuoka**  
April 2024 - present Researcher, **Luna RD Co., ltd.**  
April 2024 - June 2024 Postdoctoral Researcher, Medical Biochemistry, School of  
Pharmaceutical Sciences, **University of Shizuoka**  
April 2019 - March 2020 Technical Staff, **University of Shizuoka**

### Research Interests

Toxicology, Drug delivery system, Nuclear receptors, Cancer, Lipid nanoparticle, Hepatic stellate cells

### Qualification and skills

March 2024 Ph.D. (Pharmaceutical Sciences, University of Shizuoka)  
May 2019 Japanese Pharmacist

### Publications

1. **Sato T**, Shizu R, Miura Y, Hosaka T, Kanno Y, Sasaki T, Yoshinari K, Development of a strategy to identify and evaluate direct and indirect activators of constitutive

androstane receptor in rats. *Food Chem Toxicol*, 170, 113510, 2022

2. Shizu R, Nishiguchi H, Tashiro S, **Sato T**, Sugawara A, Kanno Y, Hosaka T, Sasaki T, Yoshinari K, Structural characterization of constitutive transcriptional activity of the nuclear receptor pregnane X receptor (PXR) to generate ligand-sensitive PXR mutants for chemical screening. *J Biol Chem*, 297, 100978, 2021
3. Shizu R, Ezaki K, **Sato T**, Sugawara A, Hosaka T, Sasaki T, Yoshinari K, PXR suppresses PPAR $\alpha$ -dependent HMGCS2 gene transcription through inhibiting the interaction between PPAR $\alpha$  and PGC1 $\alpha$ . *Cells*, 10, 3550, 2021

### **Honors**

1. **University of Shizuoka of President's Award for Students**, 2024
2. University of Shizuoka, Graduate School of Integrated Pharmaceutical and Nutritional Sciences, **Excellence Award**, 2024
3. The 143rd Annual Meeting of the Pharmaceutical Society of Japan, **Student Best Poster Award**, 2023
4. The 49th Annual Meeting of the Japanese Society of Toxicology, **Student Best Poster Award**, 2022