

# Curriculum Vitae

## Kohei Yamada

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### 1. Birth

June 6, 1995 (27)

### 2. Education

B.Sc.    Pharmaceutical Sciences    University of Shizuoka    2018  
(Pharmacokinetic and Pharmacodynamics)

M.Sc.    Pharmaceutical Sciences    University of Shizuoka    2020  
(Biopharmacy)

### 3. Job/Research Experience

2020-    JSPS Research fellow (DC1)

2020-    University of Shizuoka  
(Research assistant professor, School of Pharmaceutical Sciences)

### 4. Recent research interests

My current research interests include (1) controlling drug absorption at mucosal tissue such as gastrointestinal tract, respiratory tract, and nasal cavity, (2) establishing *in silico* modeling and simulation for drug absorption at mucosal tissue, and (3) oral peptide delivery.

### 5. Publication list (As of February 21st, 2023)

1. **Yamada K.**, Hayashi Y., Sasaki K., Higuchi K., Shindo T., Shikama H., Sato H., Onoue S., [Nanocrystal solid dispersion of fuzapladib free acid with improved oral bioavailability] *Biopharm. Drug Dispos.*, 43(3): 89–97 (2022)
2. **Yamada K.**, Ristroph KD., Kaneko Y., Lu HD., Sato H., Prud'homme RK., Onoue S., [Clofazimine-Loaded Mucoadhesive Nanoparticles Prepared by Flash Nanoprecipitation for Strategic Intestinal Delivery] *Pharm. Res.*, 38(12): 2109–2118 (2021)

3. Ghosh A., Banik S., Suzuki Y., Mibe Y., Rikimura S., Komamoto T., Kuromi K., **Yamada K.**, Sato H., Onoue S., [Lysophosphatidylcholine-based liposome to improve oral absorption and nephroprotective effects of astaxanthin] *J. Sci. Food Agric.*, 12329 (2022)
4. Sato H., Yamane C., Higuchi K., Shindo T., Shikama H., **Yamada K.**, Onoue S., [Development of stabilized fuzapladib solution for injection: forced degradation study and pharmacokinetic evaluation.] *Pharmaceutical Development and Technology*, 27(5): 565–571 (2022)
5. Banik S., **Yamada K.**, Sato H., Onoue S., [Development of Poly(lipoic acid) Nanoparticles with Improved Oral Bioavailability and Hepatoprotective Effects of Quercetin.] *Molecular Pharmaceutics*, 19(5): 1468–1476 (2022)
6. Ohtake H., Tokuyoshi Y., Iyama Y., Nukaga T., Nishida H., Ohtake T., Hirota M., **Yamada K.**, Seto Y., Sato H., Kouzuki H., Onoue S., [Reactive oxygen species (ROS) assay-based photosafety screening for complex ingredients: Modification of the ROS assay protocol.] *The Journal of Toxicological Sciences*, 47(11): 483–492 (2022)
7. Sato H., Kaneko Y., **Yamada K.**, Ristroph KD., Lu HD., Seto Y., Chan HK., Prud'homme RK., Onoue S., [Polymeric Nanocarriers With Mucus-Diffusive and Mucus-Adhesive Properties to Control Pharmacokinetic Behavior of Orally Dosed Cyclosporine A.] *J. Pharm. Sci.*, 109(2): 1079–1085 (2020)

## **6. Award**

1. Best Presentation Award of Tokai-region of the Pharmaceutical Society of Japan (2017)
2. Travel Award of the 2nd Workshop for Japan-Korea Young Scientists on Pharmaceutics (KJYSP, 2018)
3. Travel Award of the 3rd Workshop for Japan-Korea Young Scientists on Pharmaceutics (JKPW, 2019)
4. JSPS Research Fellow (DC1) (2020)
5. Nagai Foundation Scholarship of the Academy of Pharmaceutical Science and Technology, Japan (APSTJ, 2020)
6. The Award of Japan Autophagy Consortium (2022)