

# Yoon-Jee Chae, Ph.D

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**Assistant Professor, College of Pharmacy, Woosuk University**  
443 Samnye-ro, Samnye-eup, Wanju-gun, Jeonbuk 55338, Republic of Korea

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## Education

- 2007.03 - 2012.02    **Ph.D. in Pharmacy**  
College of Pharmacy, Seoul National University, Seoul, Republic of Korea  
*Supervised by "Sukjae Chung, Ph.D." (Thesis title: Functional Studies on Genetic Variations in Human Organic Anion Transporting Polypeptide 1B Transporters)*
- 2003.03 - 2007.02    **B.S. in Pharmacy**  
College of Pharmacy, Seoul National University, Seoul, Republic of Korea

## Work Experience

- 2020.09 – Present    **Assistant Professor**  
*College of Pharmacy, Woosuk University, Wanju-gun, Republic of Korea*
- 2017.11 – 2020.08    **Senior Manager (Clinical Research Scientist)**  
*Clinical Development Group, Medical Team, Samsung Bioepis, Republic of Korea*
- 2013.09 – 2017.10    **Senior Researcher**  
*Non-clinical Research Lab., Chong Kun Dang Research Institute, Republic of Korea*
- 2012.05 - 2013.08    **Postdoctoral Fellow**  
*Department of Neurology, University of Medicine and Dentistry of New Jersey, United States*

## Honors and Awards

### **Scholarships**

- 2003.09- 2004.02    Scholarship Granted by College of Pharmacy, Seoul National University, Republic of Korea
- 2004.03- 2007.02    Scholarship for Superior Academic Performance, College of Pharmacy, Seoul National University, Republic of Korea
- 2007.09- 2008.08    Lecture & Research Scholarship, College of Pharmacy, Seoul National University, Republic of Korea
- 2009.03- 2010.08    Scholarship Granted by Seoul Scholarship Foundation, Republic of Korea
- 2010.08                Scholarship Granted by Health Fellowship Foundation, Republic of Korea

## Awards

2010.10	Excellence Award in 2010 Campus Patent Strategy Universiade
2011.04	Asian Pacific International Society for the Study of Xenobiotics (APISSX), Second Place in Best Presentation Award for Pre-doctoral Research

## Representative Publications

- Balla, A.; Jeong, Y.-S.; Kim, H.-J.; Lee, Y.-J.; Chung, S.-J.; Chae, Y.-J.<sup>†</sup>; Maeng, H.-J.<sup>†</sup> Effects of 1 $\alpha$ , 25-Dihydroxyvitamin D3 on the Pharmacokinetics of Procainamide and Its Metabolite N-Acetylprocainamide, Organic Cation Transporter Substrates, in Rats with PBPK Modeling Approach. *Pharmaceutics* 2021, 13, 1133.
- Choi, H.-I.; Kim, T.; Lee, S.-W.; Kim, J.W.; Noh, Y.J.; Kim, G.; Park, H.-J.; Chae, Y.-J.; Lee, K.-R.; Kim, S.-J. Bioanalysis of niclosamide in plasma using liquid chromatography-tandem mass and application to pharmacokinetics in rats and dogs. *Journal of Chromatography B* 2021, 122862.
- Chae, Y.-J.; Chang, J.-E.; Lee, M.-K.; Lim, J.; Shin, K.-H.; Lee, K.-R. Regulation of drug transporters by microRNA and implications in disease treatment. *Journal of Pharmaceutical Investigation* 2021, 1.
- Jeong, H.C.; Chae, Y.J.; Lee, S.; Kang, W.; Yun, H.y.; Shin, K.H. Prediction of fluoxetine and norfluoxetine pharmacokinetic profiles using physiologically based pharmacokinetic modeling. *J. Clin. Pharmacol.* 2021.
- Han, K.H.; Jeon, J.-W.; Chae, Y.-J.<sup>†</sup>; Lee, M.-K.<sup>†</sup>. Effect of ingestion methods of jellies for oral administration on drug absorption in beagle dogs. *Journal of Pharmaceutical Investigation* 2021, 1-9.
- Jeong, Y.-S.; Kim, M.-S.; Lee, N.; Lee, A.; Chae, Y.-J.; Chung, S.-J.; Lee, K.-R. Development of Physiologically Based Pharmacokinetic Model for Orally Administered Fexuprazan in Humans. *Pharmaceutics* 2021, 13, 813.
- Song, Y.-K.; Seol, Y.-H.; Kim, M.J.; Jeong, J.-W.; Choi, H.-I.; Lee, S.-W.; Chae, Y.-J.; Ahn, S.; Gong, Y.-D.; Lee, K.-R. Pharmacokinetic Characterization of Supinoxin and Its Physiologically Based Pharmacokinetic Modeling in Rats. *Pharmaceutics* 2021, 13, 373.
- Chae, Y.-J.; Kim, M.-S.; Chung, S.-J.; Lee, M.-K.; Lee, K.-R.; Maeng, H.-J. Pharmacokinetic Estimation Models-based Approach to Predict Clinical Implications for CYP Induction by Calcitriol in Human Cryopreserved Hepatocytes and HepaRG Cells. *Pharmaceutics* 2021, 13, 181.
- Choi, M.S.<sup>†</sup>; Chae, Y.-J.<sup>†</sup>; Choi, J.W.; Chang, J.-E. Potential Therapeutic Approaches through Modulating the Autophagy Process for Skin Barrier Dysfunction. *International Journal of Molecular Sciences* 2021, 22, 7869.
- Chae, Y.-J.; Song, Y.-K.; Chae, S.-H.; Kim, M.J.; Kang, J.S.; Lee, J.-Y.; Koo, T.-S.; Lee, K.-R. Development and validation of an LC-MS/MS method for monitoring larotrectinib, a tropomyosin-

related kinase inhibitor, in mouse and human plasma and application to pharmacokinetic studies.  
Journal of Analytical Science and Technology 2020, 11, 1-9.