

## Pattaporn JAIKHAN, PhD

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### Education

- 2016 – 2020            Doctor of Philosophy (Medical Science), Kyoto Prefectural University of Medicine
- 2015 – 2016            Research Student, Kyoto Prefectural University of Medicine (Medicinal Chemistry)
- 2009 - 2012            Master of Science in Pharmacy (Pharmaceutical Chemistry), Mahidol University
- 2004 - 2009            Bachelor's Degree in Pharmaceutical Sciences, Khon Kaen University

### Work Experience

- 2020-Present           Faculty of Pharmacy, Thammasat University (Lecturer)
- 2013-2015            National Cyclotron and PET Centre, Chulabhorn Hospital (Radiopharmacist)

### Research Experience

- 2014                    Research Scholar at the School of Medical Engineering, Wayne State University, Michigan, USA (Radiosyntheses of  $^{18}\text{F}$ -lactose derivatives utilizing "click chemistry" as ligands for PET imaging)
- 2008                    Professional research training at the Institute of Natural Medicine, University of Toyama (Intracerebroventricular injection of amyloid beta to induce memory deficit in mouse model)

### Publication

Jaikhan, P., Buranrat, B., Itoh, Y., Chotitumnavee, J., Kurohara, T., Suzuki, T. (2019), Identification of *ortho*-hydroxy anilide as a novel scaffold for lysine demethylase 5 inhibitors. *Bioorg Med Chem Lett*, 15; 29(10): 1173-1176. doi: 10.1016/j.bmcl.2019.03.028

Matsui, M., Terasawa, K., Kajikuri, J., Kito, H., Endo, K., Jaikhan, P., Suzuki, T., Ohya, S. (2018) Histone Deacetylases Enhance  $\text{Ca}^{2+}$ -Activated  $\text{K}^{+}$  Channel  $\text{K}_{\text{Ca}3.1}$  Expression in Murine Inflammatory  $\text{CD4}^{+}$  T Cells. *Int J Mol Sci*, 19, 2942.

Uchida, S., Teubner, B. J. W., Hevi, C., Hara, K., Kobayashi, A., Dave, R. M., Shintaku, T., Jaikhan, P., Yamagata, H., Suzuki, T., Watanabe, Y., Zakharenko, S. S., Shumyatsky, G. P. (2017), CRT1 Nuclear Translocation Following Learning Modulates Memory Strength via Exchange of Chromatin Remodeling Complexes on the *Fgf1* Gene. *Cell Rep*, 10; 18(2): 352-366. doi: 10.1016/j.celrep.2016.12.052.

Jaikhan, P., Boonyarat, C., Arunrungvichian, K., Taylor, P. and Vajragupta, O. (2016), Design and Synthesis of Nicotinic Acetylcholine Receptor Antagonists and their Effect on Cognitive Impairment. *Chem Biol Drug Des*, 87: 39–56. doi: 10.1111/cbdd.12627

**Award**

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| 2012 | Best Poster Presentation award from The 15 <sup>th</sup> Hellenic Symposium on Medicinal Chemistry in Athens, Greece (Structural modifications of virtual lead active on alpha7 nicotinic acetylcholine as anticancer agents)                                     |
| 2011 | Excellent oral presentation award from the 7 <sup>th</sup> Indochina conference of Pharmaceutical Sciences 2011 Bangkok, Thailand (Structural modification of virtual leads and synthesis of novel ligands acting on $\alpha$ 7 nicotinic acetylcholine receptor) |