

**Name: Assoc.Prof.Dr.Pornthip Waiwut**

**Nationality: Thai**

**Institution: Faculty of Pharmaceutical Sciences, Ubon Ratchathani University**

### **Activities.**

1. **2017**, Prof.Dr.Ikuo Saiki from Division of Pathogenic Biochemistry, Institute of Natural Medicine, University of Toyama, Japan, received an honorary doctoral degree in Pharmaceutical Sciences, Ubon Ratchathani University, Thailand.
2. **2017**, MOU: Agreement for Academic Exchange and Co-operation between Faculty of Pharmaceutical Sciences, Ubon Ratchathani University and Institute of Natural Medicine, University of Toyama
3. **2017**, Organized ICNM2017 conferences with UT: **Current research in natural product medicines 2017**
4. 2019 Exchange of graduate students for joint scientific program and research activities (Sakura Program)
5. **2022, Exchange of academic materials, publications and information**
6. **2022**, Prof.Dr.Yoshihiro Hayagawa visited Thailand as invited speaker at PST2022 conferences
7. **2022**, 1<sup>st</sup> Liaison Professor assembly
8. **2023**, Prof.Dr.Yoshihiro Hayagawa visited Thailand as invited speaker at PST2023 conferences
9. **2023**, Prof.Dr.Yoshihiro Hayagawa join PST2023 conferences as scientific committee
10. **2023**, Assoc.Prof.Dr.Rawiwun kaewammatawong from UBU visited Toyama as researcher.
11. **2023**, Ms.Nutjakorn Samar from UBU, the Ph.D. student visited Toyama Lab for her research.
12. **2024**, Assoc.Prof.Dr.Suresh Awale visited UBU and joined The 15th Annual Northeast Pharmacy Research Conference 2024 : Pharmacy Innovation : Transforming Healthcare for a Better Tomorrow.

### **Publications with researcher of UT.**

1. Plekratoke K, Boonyarat C, Monthakantirat O, Nualkaew N, Wangboonskul J, **Awale S**, Chulikhit Y, Daodee S, Khamphukdee C, Chaiwiwatrakul S, **Waiwut P**. The Effect of Ethanol Extract from *Mesua ferrea* Linn Flower on Alzheimer's Disease and Its Underlying Mechanism. *Curr Issues Mol Biol.* 45(5):4063-4079.
2. Boonyarat C, Tantiwatcharakunthon M, Takomthong P, Yenjai C, **Hayakawa Y**, Dejkriengkraikul P, Chaiwiwatrakul S, **Waiwut P**. Neuroprotective and anticancer effects of 7-Methoxyheptaphylline via the TAK1 pathway. *Oncol Rep.* 2023. 49(1):15.1-14.
3. Gao WY, Boonyarat C, Takomthong P, Plekratoke K, **Hayakawa Y**, Yenjai C, Kaewamatawong R, Chaiwiwatrakul S, **Waiwut P**. Acridone Derivatives from *Atalantia monophylla* Inhibited Cancer Cell Proliferation through ERK Pathway. *Molecules.* 2022. 27(12):3865. doi: 10.3390/molecules27123865.

4. **Waiwut P, Yokoyama S, Saiki I, and Sakurai H.** Gomisin A enhances TNF- $\alpha$ -induced G1 cell cycle arrest via STAT1-mediated RB phosphorylation. *Biol Pharm Bull*, 35(11):1997-2003, 2013.
5. **Inoue H, Waiwut P, Saiki I, Shimada Y, Sakurai H.** Gomisin N enhances TRAIL-induced apoptosis via reactive oxygen species-mediated up-regulation of death receptors 4 and 5. *Int J Oncol*. 40(4):1058-65, 2012.
6. Thanaketpaisarn O, **Waiwut P, Sakurai H, Saiki I.** Artesunate enhances TRAIL-induced apoptosis in human cervical carcinoma cells through inhibition of the NF- $\kappa$ B and PI3K/Akt signaling pathways. *Int J Oncol*. 39(1):279-85, 2011.
7. **Waiwut P, Inujima A, Inoue H, Saiki I, and Sakurai H.:** Bufotalin sensitizes death receptor-induced apoptosis via Bid- and STAT1-dependent pathways. *Int. J. Oncol*. 40: 203-208, 2011.
8. **Waiwut P,** Shin MS, **Inujima A, Zhou Y, Koizumi K, Saiki I, and Sakurai H.:** Gomisin N enhances TNF- $\alpha$ -induced apoptosis via inhibition of the NF- $\kappa$ B and EGFR survival pathways. *Mol. Cell. Biochem*. 350: 169-175, 2011.
9. **Waiwut P, Saiki I, Sakurai H.** “Dihydrocapsaicin inhibits cancer cell proliferation by regulating cell cycle proteins.” *Proceedings of the 8<sup>th</sup> International Symposium of the Protein Society of Thailand*. Chulabhorn Research Institute, Bangkok, Thailand, 2013: 151-154
10. **Waiwut P,** Boonyarat C, Reubroycharoen P, Janjaratjit N, **Saiki I, Sakurai H.** “Bufotalin inhibits cell proliferation and migration of cervical cancer cells.” *Proceedings of the fourth international conference on Natural products for health and beauty*. Chiang Mai University, Chiang Mai, 2012: 406 – 551
11. **Pornthip Waiwut, Hiroki Inoue, Ikuo Saiki and Hiroaki Sakurai.** Gomisin N: A Herb-derived Compound that Enhances Death Receptor-mediated Apoptosis of Cancer Cells: in *Traditional Medicine: New research*. New York, USA: Nova Science Publishers, Inc. 2013. p147-157.