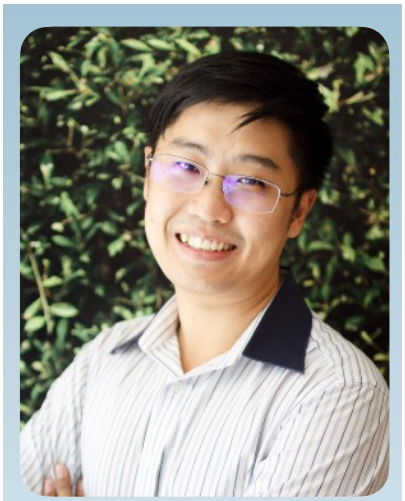
NOPNITHI THONGHIN
นพนิธิ ทองหิน



Current academic position:
Lecturer in Biology at
Srinakharinwirot University
Bangkok, Thailand

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Academic Background:

2010 B.Sc. (Biology)
Department of Biology, Faculty of Science
Chiang Mai University, Chiang Mai, Thailand

2013 M.Sc. (Molecular Genetics and Genetic Engineering)
Institute of Molecular Biosciences
Mahidol University, Nakhon Pathom, Thailand

2018 Ph.D. Biochemistry
School of Biological Sciences
Faculty of Biology, Medicine and Health
The University of Manchester, Manchester, United Kingdom

Scholarship awarded:

2004-2018 Development and Promotion of Science and Technology Talents Project (DPST) Scholarship

Fields of expertise:

Molecular Biology, Genetic Engineering, Structural Biology, Biochemistry

Skills and Experiences:

- Data analysis software and bioinformatic databases
- Software for molecular biology and structural biology research
- Experienced operator of techniques in molecular and structural biology
  - Gene cloning, protein expression and purification, protein-RNA crystallisation and cryo-electron microscopy
- 3-year experience of teaching assistance in biology laboratory classes for undergraduate student at the University of Manchester, UK

Publications:

Lingam, S., **Thonghin N.** and Ford R. C. (2017). "Investigation of the effects of the CFTR potentiator ivacaftor on human P-glycoprotein (ABCB1)". Scientific Reports 7(1).

Thonghin, N., Kargas V., Clews J. and Ford R. C. (2018). "Cryo-electron microscopy of membrane proteins". Methods 147:176-186.

Thonghin N., Collins R. F., Barbieri A., Shafi T., Siebert A. and Ford R. C. (2018). "Novel features in the structure of P-glycoprotein (ABCB1) in the post-hydrolytic state as determined at 7.9Å resolution". BMC Structural Biology 18(1):17-28.

Barbieri A., **Thonghin N.**, Shafi T., Prince S. M., Collins R. F. and Ford R. C. (2021). "Structure of ABCB1/P-Glycoprotein in the presence of the CFTR potentiator Ivacaftor". Membranes 11(12):923.

International academic conference attendance:

- The 8th SFB35 Symposium 2015, September 2015, Vienna, Austria.
- FEBS Special meeting: ATP-Binding Cassette (ABC) Proteins: From Multidrug Resistance to Genetic Disease, Innsbruck, Austria. (2016 and 2018)

Research fundings:

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