CURRICULUM VITAE

Name	Miss Nittaya Chansiw
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Education

2001-2003	Senior High School at Sapphawittayakhom School, Tak, Thailand
2004-2008	B.Sc. (Medical Technology, First honor), Faculty of Associated Medical Science, Chiang Mai University, Thailand
2009-2014	Ph.D. (Biochemistry), Faculty of Medicine, Chiang Mai University, Thailand

Field of specialization

- Natural products and synthetic compounds for iron overloaded diseases and cancer therapy
- Toxicology of drugs and synthetic compounds in cell culture and animal model

Work and research experience

2008-2009	Medical Technologist at Maesod Ram Hospital, Maesod, Tak
2010-2014	Ph.D. thesis: Biochemical toxicity of iron chelator 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one in cancer cell lines and safety evaluation in animal model, Department of Biochemistry, Faculty of Medicine, Chiang Mai University
2011-2012	Research Assistant (Research grant through Assoc. Prof. Dr. Somdet Srichairatanakool: Chronic toxicity of 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in mice model, Department of Biochemistry, Faculty of Medicine, Chiang Mai University

May-November, 2012	Short-term Research at Professor John B. Porter Laboratory, Hematology Division, University College London, United Kingdom
October-November, 2012	Short-term Research at Professor Robert C. Hider Laboratory, Pharmaceutical Science Division, King's College London, United Kingdom
2013-2014	Research Assistant (Research grant through Assoc. Prof. Dr. Somdet Srichairatanakool: Study of Thai mango products against anti-oxidative stress and immune system in healthy volunteer, Department of Biochemistry, Faculty of Medicine, Chiang Mai University
January-April, 2014	Short-term Research at Professor T. Randall Lee Laboratory, Department of Chemistry, University of Houston, United State

Training

2011	The care and practice techniques for laboratory animals training
2012	HPLC 1260 OpenLAB ChemStation Familiarization training
2014	Nuclear Magnetic Resonance (NMR) Spectroscopy training

Scholarship

2009-2010	Graduate School and Faculty of Medicine, Chiang Mai University
2010-2014	The Royal Golden Jubilee Ph.D. Program (RGJPHD) from Thailand Research Fund

Publications

1. **Chansiw N,** Pangjit K, Phisalaphong C, Fucharoen S, Evans P, Porter JB and Srichairatanakool S. Toxicity study of a novel oral iron chelator: 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in transgenic β-thalassemia mice**.** *Journal of Vitamins and Minerals*. 2013; 2: 2. http://dx.doi.org/10.4172/vms.1000116.

2. **Chansiw N**, Pangjit K, Tuntiwechapikul W, Phisalaphong C, Fucharoen S, Porter JB and Srichairatanakool S. Cytotoxicity and apoptogenic activity of a novel synthetic iron chelator 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in human leukemic cells. *Journal of Vitamins and Minerals*. 2013; 2: 2. http://dx.doi.org/10.4172/vms.1000114.

3. **Chansiw N**, Pangjit K, Phisalaphong C, Porter JB, Evans P, Fucharoen S and Srichairatanakool S. Effect of a novel oral active iron chelator: 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in iron-overloaded and non-overloaded mice. *Asian Pacific Journal of Tropical Medicine*. 2014, accepted in press.

4. Kulprachakarn K, **Chansiw N**, Pangjit K, Phisalaphong C, Fucharoen S, Hider R.C, Santitherakul S and Srichairatanakool S. Iron-chelating and anti-lipid peroxidation properties of 1-(*N*-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in long-term iron loading β-thalassemic mice. *Asian Pacific Journal of Tropical Biomedicine*. 2014; 4(8): 663-668.

Presentations/Attendances

Nov 3-6, 2010	Attending of the 3rd International Conference on Thalassemia in China & The 2nd Asia Pacific Iron Academy Conference, Naning, China
April 6-8, 2011	Attending of the 3rd BMB International Conference, The Empress Convention Centre, Chiang Mai, Thailand
March 22-23, 2012	Attending of the International Conference Oxidative stress in Congenital and Acquired Hemolytic Anemia, Garden Cliff Resort & Spa, Pattaya, Chonburi, Thailand

April 6-8, 2012	**Study of Biochemical Toxicity of a novel synthetic iron chelator 3-hydroxypyrid-4-one derivative in animal model".** RGJ-Ph.D. Congress XIII, Jomtien Plam Beach Resort Pattaya, Chonburi, Thailand (Poster Presentation)
April 14-18, 2013	**Toxicity study of a novel oral iron chelator:1-(N-acetyl-6-aminohexyl)-3-hydroxypyridin-4-one (CM1) in transgenic beta thalassemia mice.** Fifth Congress of the International BioIron Society (IBIS) World Meeting (BioIron 2013), University College London, London, United Kingdom (Poster Presentation)
May 16-17, 2013	**Toxicity study of a novel oral iron chelator:1-(*N*-acetyl-6-aminohexyl)-3-hydroxypyridin-4-one (CM1) in transgenic beta thalassemia mice.** The 11th Annual Biochemical Research Meeting, Department of Biochemistry, Faculty of Medicine, Chiang Mai University, Thailand (Oral Presentation)
October 30, 2013	**Acute and sub-chronic toxicity studies of a novel oral iron chelator: 1-(N-acetyl-6-aminohexyl)-3-hydroxypyridin-4-one (CM1) in mice,** Thailand Thalassemia conference. Khum phoo Kham, Chiang Mai, Thailand (Oral Presentation)
September 11-14, 2014	**Safety of a novel oral iron chelator: 1-(N-acetyl-6-aminohexyl)-3-hydroxypyridin-4-one (CM1) in mice**, European Iron Club Meeting. Palazzo della Gran Guardia, Verona, Italy (Poster Presentation)