

**CURRICULUM VITAE**

***Vip Viprakasit, M.D., D. Phil. (Oxon)***



***Professor of Pediatrics***

***“Top Researcher- Innovative Inventor-Prolific Entrepreneur”***

## CURRICULUM VITAE: VIP VIPRAKASIT, M.D., D. Phil. (Oxon)

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### PERSONAL INFORMATION

Name: Vip Viprakasit

Qualification:
 

- M.D. (first-class honours), Mahidol University, Bangkok, Thailand.
- Certificate in Clinical Science (Paediatrics), Chiang Mai University.
- Diploma Thai Board of Paediatrics (Medical Council of Thailand).
- D. Phil. in Molecular Medicine from the Department of Human Anatomy and Genetics, University of Oxford, UK.
- Postdoctoral Fellowship in Molecular Haematology, Weatherall Institute of Molecular Medicine, University of Oxford, UK.
- ATOC Certification for advanced executive course 2019

Gender: Male

Nationality: Thai

Date of Birth: September 12<sup>th</sup>, 1970

Contact address: Thalassaemia Center and Division of Haematology-Oncology Department of Paediatrics, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok 10700, Thailand

Home address: 101/356 Soi 12 A, Preecha Village, Phuthamontol IV Rd., Sampran, Nakornpathom, Thailand

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Marital status: Married with one son aged 16 years (Mr. Sean Viprakasit)  
 Wife: Associate Professor Dr. Aree Thayananuphat, DVM, PhD, Asian Board of Veterinary Surgery  
 Director, Bangkhen Animal Hospital, Faculty of Veterinary Medicine, Kasetsart University, Bangkok, Thailand

## CURRENT STATUS

- *Professor of Pediatrics, Department of Paediatrics, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok 10700, Thailand, since May 2015.*
- *Professor Level 11, under review by Mahidol University since May 2020.*
- *Director, Siriraj Centre of Excellence on Cell and Gene Therapy since 2019.*
- *Programme Director for Thalassemia & Haemoglobinopathies Research, WHO Collaborating Centre for Prevention and Control of Thalassemia and Haemoglobinopathies, Bangkok 10700, Thailand, since 2007.*
- *Medical and scientific advisor for Thalassemia International Federation (TIF), since 2009.*
- *Scientific working group for Red Blood Cell (RBC), European Haematology Association (EHA), since 2015.*
- *Scientific advisor for Educational Programme for American Society of Hematology Annual Meeting for 2017-2019.*
- *Scientific working group for World Health Organization (WHO) for guideline development group for the use and interpretation of haemoglobin concentrations for assessing anaemia status in individuals and population since 2017*
- *Scientific Committee and Granting committee for Nanotechnology Institute, NASDA Thailand since 2012*
- *Executive Committee for Thalassaemia Foundation of Thailand since 2007*
- *Deputy Secretary General and Executive Committee, Siriraj Alumni Association since 2018*
- *Granting Committee for Faculty of Medicine Siriraj Hospital since 2019.*
- *Executive Committee, Old English Student Association Under the Royal Patronage since 2020*
- *Inventor who designed and produce the Royal Mobile Safety Unit for COVID-19 sample collection. This positive pressure with biosafety class p1000 mobile unit was designed and fitted on a backside of pick-up truck to provide a convenient and easy-to-use measure to collect nasopharyngeal swab for COVID-19 testing around the Kingdom of Thailand under His Majesty The King Rama 10<sup>th</sup>' s patronage.*
- *Facebook Fan-page Master and owner: "Health Communication by Dr. Vip" with over 1 million followers since 2020*
- *CEO and Founder of ATGenes Co. Ltd. The ATGenes is located at 8 Phutthamonthon Sai 1, Soi 37, Chimphli, Khet Taling Chan, Bangkok 10170. This biotechnology company was*

established in 2014 and currently employed 70 people with revenue over 3 million USD per year. The ATGenes Co. Ltd. is

- Moreover, I have been working in haematology field focusing on paediatric issues in thalassemia, haemoglobinopathies, and iron deficiency anaemia, and iron-related human diseases for the last 20 years. In addition, my research also focuses on human genome and precision medicine using the next technology such as next generation sequencing (NGS), stem cell technology, gene therapy and cell therapy. My works and past experience could be found easily in the public database. **Finally, I am the only Asian clinician who is now sitting in a scientific working group for red blood cell disorders of the European Haematology Association (EHA) for the year 2015-2019 and international advisor for Educational programme for American Society of Hematology (ASH) in 2017-2018.**

## EDUCATION AND TRAINING

### *Postgraduate:*

July 2019	Visiting research scholar, Weatherall Institute of Molecular Medicine, University of Oxford, UK
June 2006	Clinical Research & Good Clinical Practice (GCP) training, Asia-Pacific Hematology-Oncology Academy (APHOA), Taipei
July 2005 – August 2005	Training in advance Molecular Haematology, Weatherall Institute of Molecular Medicine, Oxford
August 2005	Training in multiple ligation probe associated assay (MLPA), University of Leiden, The Netherlands.
November 2002-August 2004	Postdoctoral fellowship in Molecular Haematology under the supervision of Professor Douglas R. Higgs, Director of MRC Molecular Haematology Unit, Weatherall Institute of Molecular Medicine, Oxford
March 2003	An introductory course for microarray analysis, Sanger Center for Human Genetics, Cambridge, UK
January 2000-October 2002	D. Phil. candidate at Department of Anatomy and Genetics, University of Oxford under the supervision of Professor Douglas R. Higgs, MB, DSc, FRCP, FRCPath, FRS and Professor Kay E. Davies, Ph.D., OBE, FRS Professor of Anatomy, Chairman of Department of Human Anatomy and Genetics, Oxford
August-December 1999	Visiting research fellow at MRC Molecular Haematology Unit, Weatherall Institute of Molecular Medicine, Oxford
August 1998	Epidemiology and Statistics Course for Clinical Research Faculty of Medicine at Siriraj Hospital, Mahidol University, Thailand
April 1998	Molecular biology techniques for thalassaemia research, Thalassaemia Research Centre, Institute of Science and Technology for Research Centre, Mahidol University,

	Thailand
January- December 1997	Chief Resident in Paediatrics (Registrar equivalent) Full responsibility for management of 70 bed-pediatric unit. Coordinate and manage 30-paediatric resident duty and rotation. Administer academic activities such as medical grand round, article review, journal club, interesting cases and clinicopathological conference.
April 1995- December 1997	Paediatric Residency Training Programme, Department of Paediatrics, Faculty of Medicine, Chiang Mai University, Thailand.
April 1994- May 1995	Postgraduate Training in Clinical Science (Paediatrics), Faculty of Medicine, Chiang Mai University, Thailand.

#### *Undergraduate:*

April 1988-May 1994	Undergraduate medical training, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand.
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#### **HONOURS AND AWARDS**

- Medical degree with first class honours, 1994.
- Honourable medal for the highest total marks in Internal Medicine, 1992-1994.
- Professorial award for the best medical student in Internal Medicine, 1992-1994.
- Prince Mahidol Fellowship from the Thai government between 1999-2002.
- British Journal of Haematology Research Trust Travel Grant (£ 1000) to attend and present a poster at the 12<sup>th</sup> Conference on Haemoglobin Switching, June 9-13, 2000 at Seattle, USA.
- Travel Award from European Society of Haematology for one of the best abstracts presented in the 6<sup>th</sup> European Haematology Association Meeting (EHA), June 21-24, 2001 at Frankfurt, Germany.
- Medical Research Fund Award for the cost of attending and presenting an oral paper in the 8<sup>th</sup> International Conference on Thalassaemia, October 18-21, 2001 at Athens, Greece.
- Medical Research Fund Award for the cost of attending and presenting two oral papers in the 9<sup>th</sup> International Conference on Thalassaemia, October 16-19, 2003 at Palermo, Italy.

- Medical Research Council Award for the cost of attending and presenting an oral paper in the 43<sup>rd</sup> Annual Meeting of American Society of Haematology, December 7-11, 2001 at Orlando, Florida.
- Medical Research Council Award for attending the 44<sup>th</sup> Annual Meeting of American Society of Haematology, December 6-10, 2002 at Philadelphia, Pennsylvania.
- Medical Research Council Award for attending the 45<sup>th</sup> Annual Meeting of American Society of Haematology, December 4-9, 2003 at San Diego, California.
- Travel award for attending the 46<sup>th</sup> Annual Meeting of American Society of Haematology, December 7-10, 2003 at San Diego, California.
- Methevijai Research Fellowship by Thailand Research Fund from 2005-2007.
- The 6<sup>th</sup> Prof. Alendry P. Caviles Jr. Memorial Lecturer on the topic; “Thalassemia Screening in Developing Countries” during the Philippine Society of Hematology and Blood Transfusion (PSHBT)’s 42<sup>nd</sup> Annual Convention, September 4<sup>th</sup>, 2012, Crown Plaza Manila Galleria, Oritigas Avenue, Asian Development Ave., Quezon City, Philippines.
- Harvard Blood Scholar Lecturer, October 18<sup>th</sup>, 2012 on the topic; “Thalassemia Research in the Far East: When the East Meets the West”
- Sutan Bin Kalifa International Thalassaemia Award (SITA) for the Best Centre of Excellence on Thalassaemia Care, October 2013 in The 13<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies. Thalassaemia International Federation (TIF), Abu Dhabi, UAE.
- The Best Research Award of the Year 2015 from a discovery of a new hereditary haemolytic anemia condition caused by novel mechanism due to mutations of KLF-1 genes from National Research Council of Thailand (NRCT) and Faculty of Medicine Siriraj Hospital, Mahidol University.
- Presidential Lecture 2017, A Novel Forms of Hereditary Anemia in Thailand Through NGS, Thailand Society of Hematology.
- TEDx Talk, “On the street”, Mahidol University 2018.
- The 7<sup>th</sup> Conference of Myanmar Society of Hematology “Dr. Khin Mar Mar Memorial Lecture” on the topic of “Past, present and future of Thalassemia Research in the Far East”, September 21<sup>st</sup>, 2019, Sule Shangri-La Hotel, Yangon, Myanmar.

**TEACHING EXPERIENCE**

September 2015 – present	Full Professor in Paediatrics
August 2006 – August 2015	Associate Professor in Paediatrics
2004 – July 2006	Assistant Professor in Paediatrics
January 1998 – October 2004	Lecturer in Paediatrics

My responsibilities include clinical teaching for the forth to sixth year medical students, paediatric residents and clinical fellow in paediatric haematology-oncology, administering and working as an attending physician for the general paediatric ward and special ward for paediatric haematology patients and thalassaemia clinic at Division of Hematology/Oncology, Department of Paediatrics and Thalassemia Center, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.

**POSTGRADUATE SUPERVISING EXPERIENCE**

\*with the MSc-PhD program in Immunology & Molecular Medicine, Department of Immunology, Faculty of Medicine Siriraj Hospital, Mahidol University

\*\* with the MSc-PhD program in Clinical Pathology, Faculty of Medicine Ramathibodi Hospital, Mahidol University

\*\*\* Thesis for Thailand Board Certification in Pediatrics, under the Department of Pediatric, Faculty of Medicine Siriraj Hospital, Mahidol University and Medical Council of Thailand

\*\*\*\*with the MSc program in Bioinformatics, Division of Medical Informatics, Faculty of Medicine Siriraj Hospital, Mahidol University

No.	Name-Surname	Degree	Thesis title	year
1	Yuwarat Monteerarat*	MD-PhD	Genetic susceptibility to H5N1 infection in human	2006-2010
2	Supachai Ekwattanakit*	MD-PhD	Molecular genetics and epigenetic control of $\gamma$ globin gene regulation	2006-2010
3	Warangkana Tongnoppakul*	MSc	Molecular basis of UGT1A1 and risk of neonatal hyperbilirubinemia in Thailand	2007-2010
4	Nunthawut Chat-uthai	MSc	Genetic association study in pediatric	2008-



			sepsis and septic shock syndrome	2012
5	Suchada Riolueang *	MSc	Development of primary erythroid culture as a model for studies of pathophysiology in hematologic disorders	2009-2012
6	Nipon Chalaow	MSc	Molecular characterization of hereditary persistent fetal hemoglobin (HPFH) in Thailand	2010-2014
6	Narawadee Rujanapun	MSc	Effects of Ag-nano particles on normal and thalassemic erythroid cells	2011-2014
7	Rapeeparn Chompoopong	MSc	Proteomic analysis in Thai patients with KLF-1 disease	2012-now
8	Suthatip Kainoo	MSc	Molecular basis of rare blood group (InLu) in Thai population	2012-now
9	Portep Tanyut	MSc	Development of a simple and economical approach for prenatal and preimplantation genetic diagnosis for thalassemia and hemoglobinopathies	2013-now
10	Punyanuch Jindatanmanusan**	MSc	Diagnostic applications of newborn screening for $\alpha$ -thalassemias, Hb E and Hb H disorders using isoelectric focusing (IEF) on dry blood spots	2008-2012
11	Nuntana Siripripattanamongkol***	Paediatrics	Molecular basis of neonatal hyperbilirubinemia in Thailand	2007-2010
12	Chulamane Chairattananon***	Paediatrics	Current status of iron deficiency anemia in a hospital based study: Siriraj's experience	2007-2010
13	Krongjit Lekpetch	Paediatric	Clinical efficacy of splenectomy in	2007-

		Haematology/ Oncology	pediatric patients with Hb H disease	2008
14	Prapa Arunyadet***	Paediatric Haematology/ Oncology	Clinical manifestations and natural history in pediatric patients with red cell membrane disorders	2008- 2009
15	Pornpan Sripornsawan***	Paediatric Haematology/ Oncology	Clinical significant adverse events after deferasirox therapy in 92 pediatric patients with $\beta$ -thalassemia	2009- 2010
16	Pimnipa Lukkanalikitkul***	Paediatrics	Effects of short course of regular blood transfusion on growth and development in pediatric patients with Hb E/ $\beta$ thalassemia	2010- 2013
17	Pornnipa Tiandech***	Paediatrics	Clinical efficacy and safety of a combination of DFO therapy in Thai patients who were non-responders to deferiprone monotherapy and a long-term efficacy in patients who were responders	2010- 2013
18	Surakarn Jenchajawarn***	Paediatrics	Survival analysis of thalassemia patients during the past 50 years at Siriraj hospital	2011- 2013
19	Surakarn Jenchajawarn***	Paediatric Haematology/ Oncology	Genetic determinants predict clinical efficacy of hydroxyurea in thalassemia patients	2013- 2015
19	Jiraporn Korchunji****	Bioinformatics	Whole exome sequencing to detect genes associated with congenital hemolytic anemia in Thai population	2016- 2019

## **RESEARCH INTEREST**

1. Thalassaemia and haemoglobin disorders.
2. Red blood cell membrane defects and enzymopathies (esp. G6PD deficiency).
3. Regulation and transcriptional control of globin genes.
4. Bone Marrow failure syndrome in children.
5. Population and evolutionary genetics
6. Human genome and clinical applications
7. Stem cell technology
8. Gene therapy and cellular therapy
9. Precision medicine in routine clinical practice

## **ONGOING RESEARCH PROJECTS AS THE PRINCIPLE INVESTIGATOR**

1. Natural history, genotype-phenotype interaction in Childhood Haemoglobin H disease.
2. Natural history, genotype-phenotype interaction in Childhood Haemoglobin E/  $\beta$  thalassaemia and  $\beta$  thalassaemia major disease.
3. Identification of rare  $\alpha$  and  $\beta$  thalassaemia mutations and novel  $\delta\beta$ -thalassaemia and hereditary persistent of fetal haemoglobin (HPFH) in Thailand in collaboration with Professor Vichai Laosombat, Faculty of Medicine, Prince of Songkla University, Thailand and Associate Professor Tanyachai Sura, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand.
4. Molecular genetic and polymorphism of Alpha Haemoglobin Stabilising Protein gene (AHSP) as a potential disease-modifying factor in Haemoglobin E/  $\beta$  thalassaemia patient in collaboration with Professor Mitchell J. Weiss, Department of Paediatrics, Faculty of Medicine, University of Pennsylvania, Philadelphia, USA.
5. Analysis of human heme-regulated translational inhibitor (HRI) gene as a potential disease-modifying factor in Haemoglobin E/  $\beta$  thalassaemia patient in collaboration with Dr. Jane-Jane Chen, The Harvard- MIT Division of Health Sciences and Technology, Massachusetts Institute of Technology, Cambridge, MA, USA.
6. Pathology of Haemoglobin Barts' hydrops fetalis in different gestational age. In collaboration with Assistant Professor Pharuhas Chanprapaph, Department of Obstetrics and Gynecology, Faculty of Medicine, Chiang Mai University, Thailand.

7. Molecular pathology of human lysosomal-acid lipase gene causing Wolman disease in Thailand in collaboration with Professor Vichai Laosombat, Faculty of Medicine, Prince of Songkla University, Thailand.
8. International registration of survival patients with Haemoglobin Barts' hydrops fetalis syndrome, in collaboration with Professor David H. Chui, Department of Internal Medicine and Molecular Medicine, Faculty of Medicine, Boston University, USA.
9. Methylation profiling and pattern of gene expression during definitive erythropoiesis.
10. Correlation study between long-range haplotype analysis of chromosome 16 (13.3) and chromosome structure in collaboration with Dr. Ioannis Regeussis and Professor Lon Cardon, Wellcome Trust Centre for Human Genetics, University of Oxford, UK.

### EXTERNAL GRANTS AND FUNDING SUPPORTS

No.	Project title	Funding agency	Study period	Total budget granted (baht)
1.	Understanding genotype-phenotype correlation in paediatric patients with Hb H disease	Siriraj grant for Research Development and Medical Education, Faculty of Medicine Siriraj Hospital, Mahidol University	Nov 2004 – Oct 2006	1,000,000
2.	Molecular basis of phenotypic variability in paediatric patients with Haemoglobin E/ $\beta$ thalassaemia	Thailand Research Fund (TRF) (Thailand Research Scholar)	June 2005- May 2008	1,200,000
3.	Molecular epidemiology of thalassaemia in Thailand; a multicentre study	Thalassaemia Foundation of Thailand	Mar 2005- Feb 2006	350,000
4.	Disease modifier genes in thalassaemia	BIOTEC (Thailand)	Oct 2005 - Aug 2010	3,250,000
5.	A one-year, open-label, multicentre trial evaluating the efficacy and safety of oral ICL 670 (20 mg/kg/day) in patients diagnosed with transfusion-dependent iron overload (multicentre, international trial)	Novartis, co. Ltd.	Dec 2005 – Jan 2008	4,500,000
6.	Epigenetic control of the $\gamma$ globin genes expression in $\beta$ thalassaemia/ Hb E disease	The Royal Golden Jubilee-PhD programme, Thailand Research Fund (TRF)	Dec 2005 – Jan 2007	2,250,000

## KEY CARRER PUBLICATIONS

\* as the corresponding author, \$as the co-author

1. **Vip Viprakasit**, Richard J. Gibbons, Bernard C. Broughton, John L. Tolmie, Donald Brown, Peter Lunt, Robin M. Winter, Stefano Marinoni, Miria Stefanini, Louise Brueton, Alan R. Lehmann & Douglas R. Higgs. Mutations in the general transcription factor TFIID result in  $\beta$  thalassaemia in individuals with trichothiodystrophy *Human Molecular Genetics*, 2001; 15: 10 (24) 2797-2802.
2. **Vip Viprakasit\***, Voravarn S. Tanphaichitr, Parichat Pung-Amritt, Siripan Petrarat, Lerlugsn Suwantol, Chris Fisher and Douglas R. Higgs. Clinical phenotypes and molecular characterisation of Hb H-Pakse' disease. *Haematologica*, 2002; 87:117-25.
3. **Vip Viprakasit**, Alexa M.J. Kidd, Helena Ayyub and Douglas R. Higgs. *De novo* deletion within the telomeric region flanking the human  $\alpha$  globin locus as a cause of  $\alpha$  thalassaemia. *British Journal of Haematology*, 2003: 120: 867-875.
4. **Vip Viprakasit\*** & Voravarn S. Tanphaichitr. An unusual phenotype of Hb EE with Hb H disease: a pitfall in clinical diagnosis and genetic counseling. *Journal of Pediatrics* 2004: 144 (3): 391-393.
5. **Vip Viprakasit\***, Voravarn S. Tanphaichitr, Worrawut Chinchang, Mitchell J. Weiss and Douglas R. Higgs. Evaluation of Alpha Hemoglobin Stabilizing Protein (AHSP) as a genetic modifier in patients with  $\beta$  thalassemia. *Blood* 2004: 103 (9): 3296-3299.
6. A.Premawardhena, C.A. Fisher, N.F. Olivieri, S. de Silva, M. Arambepola, W. Perera, A.O'Donnell, T.E.A. Peto, **V. Viprakasit**, L. Merson, G. Muraca, D.J. Weatherall. Hb E  $\beta$  thalassaemia in Sri Lanka. *Lancet* 2005: 366(9495):1467-70.
7. **Marco De Gobbi**\$, **Vip Viprakasit**\$, Jim Hughes, Chris Fisher, Veronica J Buckle, Helena Ayyub, Richard J Gibbons, Doug Vernimmen, Yuko Yoshinaga, Pieter de Jong, Jan Fang Chen, Edward M Rubin, William G Wood, Don Bowden, Douglas R Higgs. A remote, gain of function regulatory SNP illustrating a novel mechanism for human genetic disease. *Science* 2006; 312(5777):1215-7.
8. **Vip Viprakasit** Alpha-thalassaemia: From Clinical and Molecular Diagnosis to Bedside Management. *Hematology Education: the education programme for the annual congress of the European Hematology Association*; 2013; 7(1); 329-338
9. **Vip Viprakasit\***, Issarang Nuchprayoon, Ampaiwan Chuansumrit, Kitti Torcharus MD, Bunchoo Pongtanakul, Jiraporn Laothamatas, Somdet Srichairatanakool, Julaporn Pooliam, Siriwat Supajitkasem, Prapat Suriyaphol, Voravarn S. Tanphaichitr, Soodsarkorn Tuchinda. Deferiprone (GPO-L-ONE) monotherapy reduces iron overload in transfusion-dependent thalassemias: 1-year

results from a multi-centre prospective, single arm, open label, dose escalating Phase III study (GPO-L-ONE; A001) from Thailand. *Am J Hematol*; 2013; 88(4):251-60.

10. **Vip Viprakasit\***, Supachai Ekwattanakit, Suchada Riolueang, Nipon Chalaow, Chris Fisher, Karen Lower, Hitoshi Kanno, Kalaya Tachavanich, Sasithorn Bejrachandra, Jariya Saipin, Monthana Juntharanyom, Kleesabi Sanpakit, Voravarn S. Tanphaichitr, Richard Gibbons, Sjaak Philipsen, and Douglas R. Higgs. Mutations in Kruppel-like factor 1 cause transfusion-dependent hemolytic anemia and persistence of embryonic globin gene expression. *Blood* 2014; 123(10):1586-95.

## PUBLICATIONS IN PEER REVIEWED INTERNATIONAL JOURNALS

\* as the corresponding author # as the senior author \$ as co-first author

1. Kattamis A, Forni GL, Aydinok Y, **Viprakasit V**. Changing Patterns in the Epidemiology of  $\beta$ -Thalassemia. *Eur J Haematol*. 2020: doi: 10.1111/ejh.13512.
2. Takpradit C, **Viprakasit V**, Narkbunnam N, Vathana N, Phuakpet K, Pongtanakul B, Sanpakit K, Buaboornam J. Using of deferasirox and deferoxamine in refractory iron overload thalassemia. *Pediatr Int*. 2020: doi: 10.1111/ped.14444.
3. Sanpakit K, Narkbunnam N, Buaboornam J, Takpradit C, **Viprakasit V**, Pongtanakul B. Impact of splenectomy on outcomes of hematopoietic stem cell transplantation in pediatric patients with transfusion-dependent thalassemia. *Pediatr Blood Cancer*. 2020: e28483. doi: 10.1002/pbc.28483
4. Cappellini MD, **Viprakasit V**, Taher AT, Georgiev P, Kuo KHM, Coates T, Voskaridou E, Liew HK, Pazgal-Kobrowski I, Forni GL, Perrotta S, Khelif A, Lal A, Kattamis A, Vlachaki E, Origa R, Aydinok Y, Bejaoui M, Ho PJ, Chew LP, Bee PC, Lim SM, Lu MY, Tantiworawit A, Ganeva P, Gercheva L, Shah F, Neufeld EJ, Thompson A, Laadem A, Shetty JK, Zou J, Zhang J, Miteva D, Zinger T, Linde PG, Sherman ML, Hermine O, Porter J, Piga A; BELIEVE Investigators. A Phase 3 Trial of Luspatercept in Patients with Transfusion-Dependent  $\beta$ -Thalassemia. *N Engl J Med*. 2020; 382(13):1219-1231. doi: 10.1056/NEJMoa1910182.
5. Hasan MN , Fraiwan A , An R , Alapan Y , Ung R , Akkus A , Xu JZ , Rezac AJ , Koemich NJ , Creary MS , Oginni T , Olanipekun GM , Hassan-Hanga F , Jibir BW , Gambo S , Verma AK , Bharti PK , Riolueang S , Ngimhung T , Suksangpleng T , Thota P , Werner G , Shanmugam R , Das A , **Viprakasit V** , Piccone CM , Little JA , Obaro SK , Gurkan UA . Paper-based microchip electrophoresis for point-of-care hemoglobin testing. *Analyst*. 2020; 145(7):2525-2542
6. Nakavachara P, Kajchamaporn W, Pooliam J, **Viprakasit V\***. Early development of decreased  $\beta$ -cell insulin secretion in children and adolescents with hemoglobin H disease and its relationship with levels of anemia. *Pediatr Blood Cancer*. 2020: e28109. doi: 10.1002/pbc.28109
7. Chinprateep B, Ratanasit N, Kaolawanich Y, Karaketklang K, Saiviroonporn P, **Viprakasit V**, Krittayaphong R. Prevalence of left ventricular diastolic dysfunction by cardiac magnetic resonance imaging in thalassemia major patients with normal left ventricular systolic function. *BMC Cardiovasc Disord*. 2019; 19(1):245. doi: 10.1186/s12872-019-1235-8.
8. **Vip Viprakasit\*** & Surakarn Jansutjawan. Survival and causes of death in patients with  $\alpha$ - and  $\beta$ -thalassaemia in a developing country: The First Report from Thailand. *Lancet Hematology*; submitted 2019.
9. Ravi Shah, Thidarat Suksangpleng, Suchada Riolueang, **Vip Viprakasit\***. Evaluation a New Screening Method for Detecting Hemoglobin E (Hb E) Using a DEAE Sephadex A50 micro-column. *Inter J Lab Hematol*; 2017: submitted.



10. Kandit Prayongratana, **Vip Viprakasit\***. Co-inheritance of Southeast Asian Ovalocytosis (SAO) and G6PD deficiency associated with acute hemolysis in a Thai patient. *Blood Cells Mol Dis*. 2019 Nov;79: 102347. doi: 10.1016/j.bcnd.2019.102347. Epub 2019 Jul 11.
11. MD Cappellini, A Kattamis, **V Viprakasit**, P Sutcharitchan, J Pariseau, A Laadem, V Jessent-Ciaravino, A Taher. Quality of life in patients with  $\beta$ -thalassemia: A prospective study of transfusion-dependent and non-transfusion-dependent patients in Greece, Italy, Lebanon, and Thailand. *Am J Hematol*. 2019 Oct;94(10): E261-E264. doi: 10.1002/ajh.25584. Epub 2019 Aug 13.
12. C Hockham, S Ekwattanakit, S Bhatt, BS Penman, S Gupta, **V Viprakasit**, FB Piel. Estimating the burden of  $\alpha$ -thalassaemia in Thailand using a comprehensive prevalence database for Southeast Asia. *Elife*. 2019 May 23;8. pii: e40580. doi: 10.7554/eLife.40580.
13. P Potirat, M Wattanapanitch, **V Viprakasit**, P Kheolamai, S Issaragrisil. An integration-free iPSC line (MUSIi008-A) derived from a patient with severe hemolytic anemia carrying compound heterozygote mutations in KLF1 gene for disease modeling. *Stem Cell Res*. 2019 Jan;34: 101344. doi: 10.1016/j.scr.2018.09.021. Epub 2018 Dec 14.
14. R Krittayaphong, S Zhang, P Saiviroonporn, **V Viprakasit**, P Tanapibunpon, B Rerkudom, A Yindeengam, JC Wood. Assessment of Cardiac Iron Overload in Thalassemia with MRI on 3.0-T: High-Field T1, T2, and T2\* Quantitative Parametric Mapping in Comparison to T2\* on 1.5-T. *JACC Cardiovasc Imaging*. 2019 Apr;12(4):752-754. doi: 10.1016/j.jcmg.2018.08.032. Epub 2018 Nov 15.
15. A Taher, **V Viprakasit**, MD Cappellini, P Sutcharitchan, R Ward, D Mahmoud, A Laadem, A Khan, C Gwaltney, G Harding, K Attie, X Zhang, J Zou, J Pariseau, XH Hu, A Kattamis. Development of a patient-reported outcomes symptom measure for patients with nontransfusion-dependent thalassemia (NTDT-PRO<sup>®</sup>). *Am J Hematol*. 2019 Feb;94(2):171-176. doi: 10.1002/ajh.25343. Epub 2018 Nov 26.
16. A Taher, MD Cappellini, **V Viprakasit**, P Sutcharitchan, D Mahmoud, A Laadem, A Khan, C Gwaltney, G Harding, K Attie, X Zhang, J Zou, J Pariseau, XH Hu, A Kattamis. Validation of a patient-reported outcomes symptom measure for patients with nontransfusion-dependent thalassemia (NTDT-PRO<sup>®</sup>). *Am J Hematol*. 2019 Feb;94(2):177-183. doi: 10.1002/ajh.25344. Epub 2018 Nov 26.
17. JZ Xu, S Riolueang, W Glomglao, K Tachavanich, T Suksangpleng, S Ekwattanakit, **V Viprakasit\***. The origin of sickle cell disease in Thailand. *Int J Lab Hematol*. 2019 Feb;41(1): e13-e16. doi: 10.1111/ijlh.12926. Epub 2018 Sep 27.
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## PAPERS UNDER PREPARATION

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9. **Vip Viprakasit** and Panja Gulapong. Reactive haemophagocytic syndrome in children. *Chiang Mai University, Faculty of Medicine Bulletin*, 1997; 36 Suppl.
10. **Vip Viprakasit** and Torphong Sanguansermisri Prevention and control of severe thalassemia syndrome: Chiang Mai Strategy. *Chiang Mai University, Faculty of Medicine Bulletin* 1997; 36 Suppl.

## PROCEEDINGS OF INTERNATIONAL MEETINGS AND CONFERENCES

1. Ali T Taher, M Domenica Cappellini, Yesim Aydinok, John B Porter, Zeynep Karakas, **Vip Viprakasit**, Noppadol Siritanaratkul, Antonis Kattamis, Candace Wang, Zewen Zhu, Victor Joaquin, Marie José Uwamahoro and Yong-Rong Lai. Optimizing iron chelation therapy with deferasirox for non-transfusion-dependent thalassemia patients: 1-year results from the Phase IV, open-label THETIS study. (Presented as a poster presentation in the 56th Annual meeting of the American Society of Hematology, December 7-11, 2015, Orlando, USA).
2. M Domenica Cappellini, **Vip Viprakasit**, Yesim Aydinok, John B Porter, Yong-Rong Lai, Noppadol Siritanaratkul, Zeynep Karakas, Antonis Kattamis, Candace Wang, Zewen Zhu, Felicity Schaefer and Ali T Taher. Efficacy and safety of deferasirox across underlying non-transfusion-dependent thalassemia syndromes: 1-year results from the THETIS study. (Presented as a poster presentation in the 56th Annual meeting of the American Society of Hematology, December 7-11, 2015, Orlando, USA).
3. Bunchoo Pongtanakul & **Vip Viprakasit**. Long term efficacy, safety and tolerability of twice daily dosing of deferasirox in transfusion dependent thalassemias who were unresponsiveness to standard once daily. (Presented as a poster presentation in the 56th Annual meeting of the American Society of Hematology, December 7-11, 2015, Orlando, USA).
4. **Vip Viprakasit**. Challenges in managing thalassemia. Symposium 9: Pediatric Haematology. The Current Science of Haematology. Plenary lecture, Proceeding Book for programme and abstract for The Xth Malaysian National Haematology Scientific Meeting. April 26-28, 2013, Georgetown, Penang, Malaysia.
5. **Vip Viprakasit**. Non-transfusion dependent thalassemia (NTDT): complications due to iron overload and its management. Challenges. Plenary lecture, The Current Science of Haematology. Invited speaker, Proceeding Book for programme and abstract for The Xth Malaysian National Haematology Scientific Meeting. April 26-28, 2013, Georgetown, Penang, Malaysia.
6. **Vip Viprakasit**, Sarayuth Rodmai, Suchada Riolueang, Nipon Chalaow, Sirirat Wijit, Porntep Tanyut, Julaporn Pooliam, Bunchoo Pongtanakul. Pharmacogenetic study of UGT1A1 and UGT1A6 polymorphisms and haplotypes in transfusion dependent thalassaemia patients revealed a counterbalance effect between two UGT isoforms on determining clinical response to once daily dose of deferasirox therapy. (Presented as a poster presentation in the 5th Congress of the International, Bioiron Society (IBIS), Biennial World Meeting (Bioiron 2013), April 14-18, 2013, University College London, London, UK).
7. **Vip Viprakasit**, Suchada Riolueang, Sirirat Wijit, Porntep Tanyut, Sarayuth Rodmai, Nipon Chalaow, Julaporn Pooliam, Bunchoo Pongtanakul. Determination of UGT1A1 and UGT1A6 genetic polymorphisms on clinical response to deferiprone monotherapy from a 1-year multi-centre prospective, single arm, open label, dose escalating Phase III pediatric study (GPO-L-ONE; A001) from Thailand. (Presented as a poster presentation in the 5th Congress of the International, Bioiron Society (IBIS), Biennial World Meeting (Bioiron 2013), April 14-18, 2013, University College London, London, UK).

8. **Vip Viprakasit**, Nipon Chalaow, Sarayuth Rodmai, Suchada Riolueang, Sirirat Wijit, Portep Tanyut, Waraporn Glomglao, Kotpichon Chansing, Kalaya Tachawanich, Wiyakarn Utto, Wilaslak Tanongsaksakul, Somdet Srichairatanakool. Variable degree of mean cell volume (MCV) and mean corpuscular hemoglobin (MCH) in hemoglobin E carriers is determined by a common Tmprss6 variant (RS855791) in Thai population. (Presented as a poster presentation in the 5th Congress of the International, Bioiron Society (IBIS), Biennial World Meeting (Bioiron 2013), April 14-18, 2013, University College London, London, UK).
9. Ali Taher, John Porter, **Vip Viprakasit**, Antonis Kattamis, Suporn Chuncharunee, Pranee Sutcharitchan, Noppadol Siritanaratkul, Renzo Galanello, Zeynep Karakas, Dany Habr, Zewen Zhu, M. Domenica Cappellini. The safety profile of deferasirox remains consistent as non-transfusion-dependent thalassemia patients approach the target liver iron concentration of < 3 mg Fe/g dw for interrupting chelation. (Presented as an oral presentation in the 18th European Haematology Association (EHA), June 13-16, 2013, Stockholm, Sweden).
10. Ali Taher, John Porter, **Vip Viprakasit**, Antonis Kattamis, Suporn Chuncharunee, Pranee Sutcharitchan, Noppadol Siritanaratkul, Renzo Galanello, Zeynep Karakas, Dany Habr, Zewen Zhu, M. Domenica Cappellini. Serum ferritin for predicting clinical relevant LIC thresholds to guide management of patients with non-transfusion dependent thalassemia treated with deferasirox: THALASSA study extension analysis. (Presented as an oral presentation in the 18th European Haematology Association (EHA), June 13-16, 2013, Stockholm, Sweden).
11. Yesim Aydinok, Renzo Galanello, **Vip Viprakasit**, Antonio Piga, Paul Harmatz, Gian Forni, Farrukh Shah, Rachael Grace, John Porter, Elliott Vichinsky, John Wood, Suba Krishnan, Pinggao Zhang, Walid Abi-Saab, Hugh Rienhoff Jr, Ellis Neufeld. The safety, tolerability and efficacy of FBS0701, an iron chelator in clinical development for transfusional iron overload: data from 72 weeks of treatment. (Presented as an oral presentation in the 18th European Haematology Association (EHA), June 13-16, 2013, Stockholm, Sweden). *Haematologica* 2013; 98(s1); 487-8
12. John B Porter, Mohsen Elalfy, **Vip Viprakasit**, Stéphane Giraudier, Lee Lee Chan, Yongrong Lai, Ali El-Ali, Nicolas Martin, and M Domenica Cappellini. Serum ferritin, labile plasma iron and transferrin saturation: comparison between underlying anemias with transfusional iron overload before and after treatment with deferasirox. (Presented as a poster presentation in the 53th Annual meeting of the American Society of Hematology, December 7-11, 2012, Atlanta, USA).
13. Ali T Taher, John B Porter, **Vip Viprakasit**, Antonis Kattamis, Suporn Chuncharunee, Pranee Sutcharitchan, Noppadol Siritanaratkul, Renzo Galanello, Zeynep Karakas, Tomasz Lawniczek, Dany Habr, Jacqueline Ros, Zewen Zhu and M Domenica Cappellini. Deferasirox continues to reduce iron overload in non-transfusion dependent thalassemia: a one-year, open-label extension to a randomized, double-blind, placebo-controlled study. (Presented as a poster presentation in the 53th Annual meeting of the American Society of Hematology, December 7-11, 2012, Atlanta, USA).
14. Bunchoo Pongtanakul & **Vip Viprakasit**. Twice daily dosing of deferasirox significantly improves clinical efficacy in transfusion dependent thalassemias who were inadequate

responders to standard once daily dose. (Presented as a poster presentation in the 53th Annual meeting of the American Society of Hematology, December 7-11, 2012, Atlanta, USA).

15. D J Pennell, J B Porter, A Piga, M El-Alfy, A El-Beshlawy, Y Kiliç, **V Viprakasit**, A Yesilipek, T Lawniczek, D Habr, M Weisskopf, Y Zhang and Y Aydinok. Prevalence of cardiac iron overload in patients with transfusion-dependent anemia; data from the randomized, active-controlled deferasirox CORDELIA trial. The 3rd Pan-European Conference on Haemoglobinopathies and Rare anemias, October 24-26, 2012, Limassol, Cyprus. (poster presentation)
16. AT Taher, JB Porter, **V Viprakasit**, A Kattamis, S Chuncharunee, P Sutcharitchan, N Siritanaratkul, R Galanello, Z Karakas, T Lawniczek, D Habr, J Ros, Z Zhu and MD Cappellini. Deferasirox (Exjade®) dose escalation achieves greater reductions in iron overload in non-transfusional-dependent thalassemia patients: 1-year results from the THALASSA study. The 3rd Pan-European Conference on Haemoglobinopathies and Rare anemias, October 24-26, 2012, Limassol, Cyprus. (poster presentation)
17. AT Taher, JB Porter, **V Viprakasit**, A Kattamis, S Chuncharunee, P Sutcharitchan, N Siritanaratkul, R Galanello, Z Karakas, T Lawniczek, D Habr, J Ros, Z Zhu and MD Cappellini. Use of serum ferritin measurements to estimate liver iron concentration in non-transfusion-dependent thalassemia patients: analysis from the 1-year THALASSA study. The 3rd Pan-European Conference on Haemoglobinopathies and Rare anemias, October 24-26, 2012, Limassol, Cyprus. (poster presentation).
18. AT Taher, JB Porter, **V Viprakasit**, A Kattamis, S Chuncharunee, P Sutcharitchan, N Siritanaratkul, R Galanello, Z Karakas, T Lawniczek, D Habr, J Ros, Z Zhu and MD Cappellini. Consistency of liver iron reduction with deferasirox (EXJADE®) across subgroups of non-transfusion-dependent thalassemia patients from the 1-year THALASSA study. The 3rd Pan-European Conference on Haemoglobinopathies and Rare anemias, October 24-26, 2012, Limassol, Cyprus. (poster presentation).
19. Luke Forster, **Vip Viprakasit**, Worrawut Chinchang, Suchada Riolueang, Talal Qadah, Jill Finlayson, and Reza Ghassemifar. In vitro analysis of the HBB:c.129delT beta thalassaemia mutation (Haemoglobin Yala). Presented as a poster presentation in the HAA meeting 2012.
20. Pairunyar Nakavachara, **Vip Viprakasit**. Adrenal insufficiency is commonly present in Pediatric Patients with Non-Transfusion Dependent Thalassemia (NTDT) due to Hb E/ $\beta$  thalassemia. The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
21. Portep Tanyut, Nuntawut Chat-Uthai, Tuangsit Wataganara, Pornpimol Ruengwuttillert , **Vip Viprakasit**. Rapid detection of common alpha-thalassemia deletions found in Asia using a single-step multiplex real-time PCR analysis followed by a melting curve analysis. The 3rd Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)

22. Sirirat Wijit, Bunchoo Pongtanakul, Kleebsabi Sanpakit, Suchada Riolueang, Nipon Chalaow, Wiyakan Utto, Nuntawut Chat-Uthai, **Vip Viprakasit**. Severe Hyperbilirubinemia with Transaminitis in a Patient with Hb H-CS due to Coinheritance of Gilbert's Syndrome: The First Case Report in Thailand. The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
23. Narawadee Rujanapun, Duangkamol Phummiratch, Sasitorn Aueviriyavit, Suchada Riolueang, Nipon Chalaow, Rawiwan Maniratanachote, **Vip Viprakasit**. *In vitro* toxicological effects of silver nanoparticles in human hematological cell lines. The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
24. Nipon Chalaow, Marion Phylipsen, Suchada Riolueang, Nunthawut Chat-Uthai, Corneilis Hartevelde **Vip Viprakasit**. Molecular Characterization of SEA-type deletion of the Beta-globin Gene Cluster using Combined Multiplex Ligation dependent Probe Amplification (MLPA) and Array Comparative Genomic Hybridization (a-CGH). The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
25. Suchada Riolueang, Waraporn Glomglao, Kalaya Techawanich, Kotpichon Chansing, Nipon Chalaow, Supachai Ekwattanakit, **Vip Viprakasit**. The Origin of Sickle Cell Disease (SCD) in Thailand. The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
26. Nipon Chalaow, Suchada Riolueang, Chompunut Karnjanakorn, Chanin Limwongse **Vip Viprakasit**. Molecular Characterization of Postnatal Expression of Gamma Globin Genes due to Deletions involved the  $\beta$  globin gene cluster in Thailand. The 3<sup>rd</sup> Asia Pacific Iron Academy (APIA) Conference, 3-4 November 2012, Taipei Taiwan. (poster presentation)
27. **Vip Viprakasit**. Tissue-iron monitoring: A critical step for thalassemia management in 2012. Invited speaker. Optimising Quality of life, Souvenir programme and book of abstracts. 5<sup>th</sup> National Thalassemia Seminar. October 6-7, 2013, Sunway Putra Hotel, Kuala Lumpur, Malaysia.
28. **Vip Viprakasit**. Genotype-phenotype correlation in Thalassemia: What's new. Invited speaker. Optimising Quality of life, Souvenir programme and book of abstracts. 5<sup>th</sup> National Thalassemia Seminar. October 6-7, 2013, Sunway Putra Hotel, Kuala Lumpur, Malaysia.
29. **Vip Viprakasit**. Prevention-Prevention-Prevention: The only means to tackle national health burden related to thalassemia, a lesson from Thailand. Invited speaker. Optimising Quality of life, Souvenir programme and book of abstracts. 5<sup>th</sup> National Thalassemia Seminar. October 6-7, 2013, Sunway Putra Hotel, Kuala Lumpur, Malaysia.
30. **Vip Viprakasit**. Hb E syndromes: How to diagnose and manage these patients. Invited speaker. Proceeding Book for programme and abstract for the 2<sup>nd</sup> ASEAN Federation Haematology Scientific Congress. September 7-8, 2012, Waterfront Conference Centre, Grand Copthorne Waterfront Hotel, Singapore.

31. **Vip Viprakasit.** Novel/rare causes of congenital non-immune hemolytic anemia. Invited speaker. Proceeding Book for programme and abstract for the 2<sup>nd</sup> ASEAN Federation Haematology Scientific Congress. September 7-8, 2012, Waterfront Conference Centre, Grand Copthorne Waterfront Hotel, Singapore.
32. **Vip Viprakasit.** Thalassemia Screening in developing countries: The critical first step for prevention and control for severe thalassemia syndrome. The 6<sup>th</sup> Professor Alendry P. Caviles, Jr. Memorial lecture. Proceeding book for the 42<sup>rd</sup> Annual Convention Moving forward progress and updates in Hematology and Blood transfusion. The Philippine Society of Hematology and Blood Transfusion. September 2-4, 2013, Crown Plaza Manila, Galleria Hotel, Manila, The Philippines.
33. A Taher, J Porter, **V Viprakasit**, A Kattamis, S Chuncharunee, P Sutcharitchan, N Siritanaratkul, R Galanello, Z Karakas, T Lawniczek, D Habr, J Ros, Y Zhang, D Cappellini. Estimation of liver iron concentration by serum ferritin measurement in non-transfusion dependent thalassemia patients: analysis from the 1 year THALASSA study. (Presented as a poster presentation in the 17<sup>th</sup> European Haematology Association (EHA), June 14-17, 2012, Amsterdam, The Netherlands).
34. D Pennell, J Porter, A Piga, M El-Alfy, A El-Beshlawy, Y Kiliç, **V Viprakasit**, A Yesilipek, T Lawniczek, D Habr, M Weisskopf, Y Zhang, Y Aydinok. Prevalence of cardiac iron overload in patients with transfusion-dependent anemias: data from the randomized, active-controlled deferasirox CORDELIA trial. (Presented as a poster presentation in the 17<sup>th</sup> European Haematology Association (EHA), June 14-17, 2012, Amsterdam, The Netherlands).
35. A Taher, J Porter, **V Viprakasit**, A Kattamis, S Chuncharunee, P Sutcharitchan, N Siritanaratkul, R Galanello, Z Karakas, T Lawniczek, D Habr, J Ros, Y Zhang, D Cappellini. Reduction in liver iron concentration is consistent across subgroups of non-transfusion-dependent thalassemia patients treated with deferasirox: results from the 1-year THALASSA study. (Presented as a poster presentation in the 17<sup>th</sup> European Haematology Association (EHA), June 14-17, 2012, Amsterdam, The Netherlands).
36. R Galanello, Y Aydinok, A Piga, GL Forni, **V Viprakasit**, P Harmatz, F Shah, R Grace, E Vichinsky, J Wood, J Peppe, A Jones, HY Rienhoff Jr., E Neufeld. A 48 week phase 2 study of the safety, tolerability and efficacy of FBS0701, a novel iron chelator for treatment of transfusional iron overload. (Presented as an oral presentation in the 17<sup>th</sup> European Haematology Association (EHA), June 14-17, 2012, Amsterdam, The Netherlands).
37. John C. Wood, Hugh Rienhof, Renzo Galanello, Yesim Aydinok, **Vip Viprakasit**, Antonio Piga, Gian Luca Forni, Paul Harmatz, MD, Farrukh T Shah, Rachael F. Grace, John B. Porter, Jennifer Peppe, Amber Jones, and Ellis Neufeld. Disparities between two common MRI metrics of liver iron concentration in transfusional siderosis. Ancillary Study from CTP-04: A Phase 2 trial of FBS0701. (Presented as a poster presentation in the 53<sup>th</sup> Annual meeting of the American Society of Hematology, December 9-11, 2011, San Diego, USA).
38. Ali T Taher, John B. Porter, **Vip Viprakasit**, MD, Antonis Kattamis, Suporn Chuncharunee, Pranee Sutcharitchan, Noppodol Siritanaratkul, Renzo Galanello, Zeynep Karakas, Tomasz Lawniczek, Jacqueline Ros, Yiyun Zhang, Dany Habr and M. Domenica Cappellini. Deferasirox

Significantly Reduces Liver Iron Concentration In Non-Transfusion-Dependent Thalassemia Patients with Iron Overload: Results From the 1-Year Randomized, Double-Blind, Placebo-Controlled Phase II THALASSA Study (Presented as an oral presentation in the 53th Annual meeting of the American Society of Hematology, December 9-11, 2011, San Diego, USA).

39. Ellis J. Neufeld, Renzo Galanello, **Vip Viprakasit**, Yesim Aydinok, Antonio Piga, Paul Harmatz, Gian Luca Forni, Farrukh T Shah, Rachael F. Grace, John B. Porter, Elliott Vichinsky, John C Wood, Jennifer Peppe, Amber Jones and Hugh Y Rienhoff Jr. Safety, Tolerability and Dose Response of FBS0701, a Novel Iron Chelator for Treatment of Transfusional Iron Overload: Results of a 24-Week Multicenter, International Phase 2 Study. (Presented as a poster presentation in the 53th Annual meeting of the American Society of Hematology, December 9-11, 2011, San Diego, USA).
40. J Porter, M Cappellini, A Kattamis, **V Viprakasit**, T Lawniczek, J Ros, W Deng, A Taher. Relationships between plasma non-transferrin-bound iron and markers of iron overload, anemia and ineffective erythropoiesis in non-transfusion-dependent thalassaemia syndromes. (Presented as a poster presentation in the 16th European Haematology Association (EHA), June 9-12, 2011, London, UK).
41. Nipon Chalaow, Suchada Riolueang, Chompunut Kanjanakorn, Kalaya Tachavanich, Chanin Limwongse, **Vip Viprakasit**. Validation of Multiplex Ligation-dependent Probe Amplification (MLPA) for rapid screening of Beta-globin gene cluster deletions in Thais. *Proceeding of the 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies*. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011. (Presented as a poster presentation).
42. Nipon Chalaow, Suchada Riolueang, Kalaya Tachavanich, Vichai Laosombat, Marion Phylipsen, Cornelius L Hartevelde, **Vip Viprakasit**. Identification of Two Novel beta globin cluster deletions causing Hereditary Persistent Fetal Haemoglobin (HPFH) in Thais: HPFH-Siriraj-1 and Siriraj-2. *Proceeding of the 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies*. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011. (Presented as an oral presentation).
43. Suchada Riolueang, Supachai Ekwattanakit, Thongperm Munkongdee, Soavaros Svati, Pranee Winichagoon, Suthat Fucharoen, **Vip Viprakasit**. Predictive value of DNA methylation marks at -162 of the G and A-gamma globin promoters on determining clinical severity in Hb E/Beta Thalassemia. *Proceeding of the 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies*. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011. (Presented as an oral presentation).
44. Archwin Tanphaichitr, Thisarat Kusuwan, Siriporn Limviriyakul, Suvajana Atipas, Tuangrat Sangpraypan, Bunchoo Pongtanakul, Voravarn S Tanphaichitr, **Vip Viprakasit**. Incidence of ototoxicity in Thai thalassaemic patients after iron chelation therapy: comparison between desferrioxamine/combination therapy and new oral iron chelating agents. *Proceeding of the 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies*. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011. (Presented as a poster presentation).
45. Punyanuch Pornpanich, Suchada Riolueang, Waraporn Glomglao, Yaowapa Sukontharangsi, **Vip Viprakasit**. Neonatal screening for thalassaemia and haemoglobinopathies by isoelectric focusing

- (IEF) in Thai neonates. *Proceeding of the 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies*. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011. (Presented as a poster presentation).
46. Saiviroonporn P, **Viprakasit V**, Boonyasirinant T, Wood JC, and Krittayaphong R. Inter-Site Validation of the Pixel-Wise Method for Cardiac T2\* Analysis in 50 Transfusion-Dependent Thai Thalassemia Patients. *Proceedings of ISMRM Nineteen Scientific Sessions*, Montreal, Canada, May 2011, (Traditional Poster).
  47. Saiviroonporn P, **Viprakasit V**, Boonyasirinant T, Khuhapinant A, Wood JC, and Krittayaphong R. Comparison of the region-based and pixel-wise methods for cardiac T2\* analysis in 50 transfusion-dependent Thai Thalassemia patients. *Proceedings of ISMRM Nineteen Scientific Sessions*, Montreal, Canada, May 2011, (Traditional Poster).
  48. **Vip Viprakasit**, Norbert Gattermann, Jong Wook Lee, John B. Porter, Ali Taher, Dany Habr, Bernard Roubert, Gabor Domokos and Maria Domenica Cappellini. Geographical differences in transfusion and iron chelation practices in 1558 patients with transfusion-dependent anemias. (Presented as a poster presentation in the 52<sup>th</sup> Annual meeting of the American Society of Hematology, December 4-7, 2010, Orlando, USA).
  49. Hugh Y. Rienhoff Jr., **Vip Viprakasit**, Lay H. Tay, Paul Harmatz, Janet Kwiatkowski, Amy E Tapper, John B Porter, and Ellis J. Neufeld. A Phase 1B dose-escalation study to assess the safety, tolerability, pharmacokinetics and pharmacodynamics of FBS0701, a novel oral iron chelator for the treatment of chronic iron overload. (Presented as a poster presentation in the 52<sup>th</sup> Annual meeting of the American Society of Hematology, December 4-7, 2010, Orlando, USA).
  50. Dudley Pennell, John B. Porter, Maria Domenica Cappellini, Lee Lee Chan, Amal El-Beshlawy, Yesim Aydinok, Hishamshah Ibrahim, Chi-Kong Li, **Vip Viprakasit**, Mohsen Saleh Elalfy, Antonis Kattamis, Gillian Smith, Dany Habr, Gabor Domokos, Bernard Roubert and Ali Taher. Continued Improvement and Normalization of Myocardial T2\* In Patients with  $\beta$  thalassemia Major Treated with Deferasirox (Exjade®) for up to 3 Years. (Presented as a poster presentation in the 52<sup>th</sup> Annual meeting of the American Society of Hematology, December 4-7, 2010, Orlando, USA).
  51. **Vip Viprakasit**, Karen Lower, Supachai Ekwattanakit, Suchada Riolueang, Voravarn S Tanphaichitr, Helena Ayyub, Chris Fisher, Bill Wood and Doug Higgs. Mutations in the EKLF gene lead to an unexpectedly severe phenotype in a family with thalassaemia. *Proceeding and Abstract book for the 17<sup>th</sup> Haemoglobin Switching Meeting*. St. John College, Oxford, UK, 2-6 September 2010 (Presented as an oral presentation).
  52. Martin Law, Karen M. Lower, Hsiao P. J. Voon, Jim R. Huges, David Garrick, **Vip Viprakasit**, Mathew Mitson, Marco De Gobbi, Yongjun Zhao, Andrew Morris, Aaron Abbott, Steven P. Wilder, Stephen Taylor, Guiherme M. Santos, Joe Cross, Helena Ayyub, Steven Jones, Jiannis Ragoussis, Daniela Rhodes, Ian Dunham, Douglas R. Higgs & Richard J. Gibbons. A SNF2 protein targets variable copy number repeats and thereby influences allele-specific expression. *Proceeding and Abstract book for the 17<sup>th</sup> Haemoglobin Switching Meeting*. St. John College, Oxford, UK, 2-6 September 2010 (Presented as an oral presentation).



53. Dudley J Pennell, John B Porter, M Domenica Cappellini, Lee Lee Chan, Amal El-Beshlawy, Yesim Aydinok, Hishamshah Ibrahim, Chi-Kong Li, **Vip Viprakasit**, Mohsen Elalfy, Antonis Kattamis, Gillian Smith, Dany Habr, Gabor Domokos, Bernard Roubert and Ali Taher. Deferasirox effectively removes cardiac iron in  $\beta$ -thalassemia patients with myocardial siderosis previously chelated with deferoxamine monotherapy or deferoxamine-deferiprone therapy. *Proceeding and Abstract book for the 15<sup>th</sup> Congress of the European Hematology Association (EHA)*. Barcelona, Spain, 10-13 June 2010 (Presented as a publication only).
54. Dudley J Pennell, John B Porter, M Domenica Cappellini, Lee Lee Chan, Amal El-Beshlawy, Yesim Aydinok, Hishamshah Ibrahim, Chi-Kong Li, **Vip Viprakasit**, Mohsen Elalfy, Antonis Kattamis, Gillian Smith, Dany Habr, Gabor Domokos, Bernard Roubert and Ali Taher. Continued improvement in Cardiac T2\* with deferasirox treatment over 2 years: results from the extension of EPIC cardiac substudy in  $\beta$ -thalassaemia patients with myocardial siderosis. *Proceeding and Abstract book for the 15<sup>th</sup> Congress of the European Hematology Association (EHA)*. Barcelona, Spain, 10-13 June 2010 (Presented as a poster).
55. Ali Taher, **Vip Viprakasit**, John B Porter, Antonis Kattamis, Tomasz Lawniczek, Raffaele Pereno, Oliver Schoenborn-Kellenberger and M Domenica Cappellini. Factors associated with iron accumulation in non-transfusion-dependent thalassaemia syndromes: baseline data from multicenter international deferasirox study (THALASSA). *Proceeding and Abstract book for the 15<sup>th</sup> Congress of the European Hematology Association (EHA)*. Barcelona, Spain, 10-13 June 2010 (Presented as a publication only).
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## PROCEEDINGS OF NATIONAL MEETINGS AND CONFERENCES

1. Nipon Chalaow, Marion Phylipsen, Suchada Riolueang, Nunthawut Chat-Uthai, Corneilis Harteveld, **Vip Viprakasit**. Molecular Characterization of SEA-type deletion of the Beta-globin Gene Cluster using Combined Multiplex Ligation dependent Probe Amplification (MLPA) and Array Comparative Genomic Hybridization (a-CGH). The national and international conference in medicine and public health to commemorate the 150<sup>th</sup> anniversary of birth of Queen Sri Savarindira, Faculty of Medicine Siriraj hospital, Mahidol university, Thailand;17-21 september 2012.(oral presentation)
2. Porntep Tanyut, Pornpimol Ruengwuttillert, Tuangsit Wataganara, Suchada Riolueang, Nunthawut Chat-Uthai, Waraporn Glomglao, Chompunut Kanjanakorn, Chnin Limwongse, **Vip Viprakasit**. A New Prenatal Diagnostic Strategy for Detection of Hb Bart's Hydrops' Fetalis Using Chorionic Villous DNAs in Early Pregnancy. National and international conference in medicine and public health to commemorate the 150<sup>th</sup> anniversary of birth of Queen Sri Savarindira, faculty of medicine Siriraj hospital, Mahidol university, Thailand;17-21 september 2012.(poster presentation)
3. Sirirat Wijit, Bunchoo Pongtanakul, Klebsabi Sanpakit, Suchada Riolueang, Nipon Chalaow, Wiyakan Utto, Nuntawut Chat-Uthai, **Vip Viprakasit**. Severe Hyperbilirubinemia with Transaminitis in a Patient with Hb H-CS due to Coinheritance of Gilbert's Syndrome: The First Case Report in Thailand. The national and international conference in medicine and public health to commemorate the 150th anniversary of birth of Queen Sri Savarindira, Faculty of Medicine Siriraj hospital, Mahidol university, Thailand;17-21 september 2012.(poster presentation)
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5. Nipon Chalaow, Marion Phylipsen, Suchada Riolueang, Kalaya Tachavanich, Vichai Laosombat, Cornelius L. Harteveld, **Vip Viprakasit**. Molecular Characterization of A Novel Beta Globin Gene Cluster Deletions in Thais: Siriraj-thalassemia ( $G\gamma$  ( $A\gamma\delta\beta$ )<sup>o</sup>) using MLPA and CGH Technology. The national and international conference in medicine and public health to commemorate the 150th anniversary of birth of Queen Sri Savarindira, Faculty of Medicine Siriraj hospital, Mahidol university, Thailand;17-21 september 2012.(poster presentation)
6. Suchada Riolueang, Waraporn Glomglao, Kalaya Techawanich, Kotpichon Chansing, Nipon Chalaow, Supachai Ekwattanakit, **Vip Viprakasit**. The Origin of Sickle Cell Disease (SCD) in Thailand. The national and international conference in medicine and public health to commemorate the 150th anniversary of birth of Queen Sri Savarindira, Faculty of Medicine Siriraj hospital, Mahidol university, Thailand;17-21 september 2012.(poster presentation)
7. Suchada Riolueang, Waraporn Glomglao, Varangkana Navichit, Nipon Chalaow, Nuttakarn Yongsaroj, Rapeepun Shompoopueng, Nunthawut Chat-Uthai & **Vip Viprakasit** Molecular

- Identification of a rare  $\alpha^+$ -thalassemia (IVS I-I: G-A) with a common SEA deletion resulting in a very mild Hb H disease in a Thai boy. *Program and abstract book for 17<sup>th</sup> National Thalassemia Conference*, Rama Garden Hotel, Bangkok, Thailand. September 7-9, 2011 (Poster presentation).
8. Suchada Riolueang, Nunthawut Chat-Uthai, Waraporn Glomglao, Varangkana Navichit, Chompunut Kanjanakorn, Chnin Limwongse & **Vip Viprakasit** Successful Prenatal Diagnosis for Hb Bart's Hydrops' Fetalis Using Chorionic Villous DNAs in Early Pregnancy. *Program and abstract book for 17<sup>th</sup> National Thalassemia Conference*, Rama Garden Hotel, Bangkok, Thailand. September 7-9, 2011 (Poster presentation).
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  12. Nunthawut Chat-Uthai, Suchada Riolueang, Rapeepun Shompoopueng, Waraporn Glomglao, Chompunut Kanjanakorn, Chanin Limwongse & **Vip Viprakasit**. Technical Improvement for Hb Bart's Hydrops' Diagnosis in Chorionic Villous Samples Using A Highly Sensitive qPCR and Melting-Peak Analysis for Detecting South East Asian Type of  $\alpha$  globin Deletion (--SEA). *Program and abstract book for 16<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand. September 12-14, 2010 (Oral presentation).
  13. Suchada Riolueang, Nunthawut Chat-Uthai, Waraporn Glomglao, Chompunut Kanjanakorn, Chanin Limwongse & **Vip Viprakasit**. Definitive diagnosis for beta-globin mutations using a real-time PCR with high resolution melting (HRM) analysis: not just only mutation screening. *Program and abstract book for 16<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand. September 12-14, 2010 (Oral presentation).
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- (MLPA) for rapid screening of beta-globin gene cluster deletions in Thais. *Program and abstract book for 16<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand. September 12-14, 2010 (Oral presentation).
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  21. Jessada Buawbunnum & **Vip Viprakasit**. Are they really mild disease? A longitudinal analysis of growth & development in childhood Hemoglobin E/ $\beta^+$  thalassemia. *Program and abstract book for 14<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand. June 25-27, 2008 (Oral presentation).
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23. Warangkana Thongnoppakun & **Vip Viprakasit**. Molecular epidemiology of *UGT1A1* mutations in Thailand. *Program and abstract book for 14<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand. June 25-27, 2008 (Poster presentation).
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  26. Nunthana Siripipattanamongkol, Warangkana Thongnoppakun, Lavunlaya Inchgarm, Vipavee Tungtamniyom, Kriangsak Jirapaet & **Vip Viprakasit**. Molecular genetics of G-6-PD deficiency in Thai neonates with hyperbilirubinemia. *Program and abstract book for 65<sup>th</sup> National Pediatric Conference*, Holiday Inn Resort, Regent Beach, Chaum, Petchaburi, Thailand, April 23-25, 2008 (Oral presentation and selected for the “*Young Investigator Award*” for N. S.).
  27. Yuwarat Monteerarat, Kulkanya Chokephaibulkit, Prasert Auewarakul & **Vip Viprakasit**. Dissecting host genetic susceptibility related to sialic linkage modifying enzymes using *IN VITRO* knock down RNA interference suggests Neu5Ac $\alpha$ 2-3Gal $\beta$ 1-4 is the main receptor avian influenza (H5N1) used in humans. *Program and abstract book for 64<sup>th</sup> National Pediatric Conference*, Royal Cliff Beach Resort & Hotel, Pattaya, Chonburi, Thailand, October 24-26, 2007 (Oral presentation).
  28. Yuwarat Monteerarat, Orathai Piboonpocanun, KleebSabai Sanakit, Nualanong Visitsunthorn, Visith Thongboonkerd, Prakrit Vichyanond & **Vip Viprakasit**. Identification of a novel *IL7RA* mutation (444\_450InsA) caused marked reduction in CD127 expression from a cohort molecular analysis of severe combined immunodeficiency (SCID) in Thailand. *Program and abstract book for 64<sup>th</sup> National Pediatric Conference*, Royal Cliff Beach Resort & Hotel, Pattaya, Chonburi, Thailand, October 24-26, 2007 (Oral presentation).
  29. Waraporn Glomglao, Worrawut Chinchang & **Vip Viprakasit**. Validation analysis of the newly developed single tube multiplex  $\beta$ -thalassemia arms-PCR in routine laboratory setting. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
  30. Warankana Thongnoppakun & **Vip Viprakasit**. A preliminary analysis of *UGT1A1* gene polymorphisms on bilirubin metabolism in beta thalassemia patients Thailand. *Program and*



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31. Kalaya Tachavanich **Vip Viprakasit**. A comparative analysis between “Mahidol HB E/thal” and “thalassemia international federation (TIF)” scoring criteria for clinical severity grading in haemoglobin E/ $\beta$  thalassemia. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
32. Nunthawut Chat-Uthai, Issra Songmahachai, Yonrawee Piyakom, Wiyakarn Utto, Lerluk Suwanthol & **Vip Viprakasit**. *IN VITRO* study of red blood cells osmotic fragility and acidic resistance in different thalassemia syndromes suggests role of red blood cell pathobiology underlying acute haemolytic crisis. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
33. Suchada Riolueang, Worrawut Chinchang & **Vip Viprakasit**. First identification of HB westmead (alpha 122 (H5) HIS-GLN) in two unrelated thaifamilies and its interaction with beta thalassemia. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
34. Thisarat Kusuwan, Lakha Pangnukroh, Wanida Leekamnerdthai, Tuangrat Sangpraypan<sup>2</sup> & **Vip Viprakasit**. Analysis of treatment complacance and related health and social determining factors in thai thalassemia patients under long-term deferroxamine administration. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
35. Rungthip Chindathammanusan, Waraporn Glomglao & **Vip Viprakasit**. Comparative analysis on laboratory diagnosis of thalassemia and haemoglobin disorders between liquid chromatography and ISO-electric focusing in 1,168 thais. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
36. Worrawut Chinchang, Suchada Riolueang & **Vip Viprakasit**. Identification of hemoglobin YALA;A novel beta thalassemia mutation due to thymidine deletion of codon 42 (-T) causing  $\beta^0$  thalassemia and its interaction with hemoglobine E. *Program and abstract book for 13<sup>th</sup> National Thalassemia Conference*, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007 (Poster presentation).
37. **Vip Viprakasit**. Laboratory diagnosis for thalassemia. *Program and abstracts book for the 50<sup>th</sup> Anniversary Conference of Faculty of Associated Medical Technology 2007*, Impact Arena, Bangkok, Thailand, June 25-27, 2007 (invited speaker).
38. Worrawut Chinchang & **Vip Viprakasit\***. A single tube multiplex  $\beta$ -thalassemia ARMS-PCR: a new expedition of comprehensive molecular diagnosis of common  $\beta$ -thalassemia mutations found in Thailand. *Program and abstract book for the 34<sup>th</sup> Annual Meeting of The Thai Society of Hematology: Consultative Hematology*, Twin Tower Hotel, Bangkok, Thailand, March 12-15, 2007 (oral presentation)

39. Krongjit Lekpetch, Woraporn Glomglao, Wiyakan Utto, Klebsabi Sanpakit, Worrawut Chinchang, Voravarn S. Tanphaichitr & **Vip Viprakasit\***. A longitudinal analysis of clinical heterogeneity and disease severity in 145 pediatric patients with non-deletional Hemoglobin H disease. *Program and abstract book for the 34<sup>th</sup> Annual Meeting of The Thai Society of Hematology: Consultative Hematology*, Twin Tower Hotel, Bangkok, Thailand, March 12-15, 2007 (oral presentation)
40. Kalaya Tachavanich & **Vip Viprakasit\***. Development of a comprehensive red blood cell enzymopathy laboratory in Thailand and a preliminary study of normal activity range in 8 common erythroenzymes in Thais. *Program and abstract book for the 34<sup>th</sup> Annual Meeting of The Thai Society of Hematology: Consultative Hematology*, Twin Tower Hotel, Bangkok, Thailand, March 12-15, 2007 (oral presentation)
41. Yuwarat Monteerarat, Orathai Piboonpocanun, Kleesabai Sanpakit, Worrawut Chinchang, Kalaya Tachavanich, Nualanong Visitsunthorn, Visit Tongboonkerd, Pakit Vichayanond & **Vip Viprakasit\***. Genetic heterogeneity underlying severe combined immunodeficiency (SCID) in Thai population and identification of a novel *IL7RA* mutation causing T<sup>B</sup><sup>+</sup>NK<sup>+</sup> SCID. *Siriraj Medical Journal* 2007; 59: suppl. 1: OC005 (Presented as an oral presentation in the 46<sup>th</sup> Annual Siriraj Medical Conference, Thai Navy Convention Centre, Bangkok, Thailand, March 5-9, 2007).
42. Pairunyar Sawathiparnich, Linda Weerakulwattana, Pornpimol Kiattisakthavee, Katharee Chaichanwatanakul & **Vip Viprakasit**. Osteopenia is commonly present in prepubertal children with severe  $\beta$ -thal/Hb E despite adequate transfusion therapy. *Siriraj Medical Journal* 2007; 59: suppl. 1: OA004 (Presented as an oral presentation in the 46<sup>th</sup> Annual Siriraj Medical Conference, Thai Navy Convention Centre, Bangkok, Thailand, March 5-9, 2007).
43. Supachai Ekwattanakit, Worrawut Chinchang, Suchada Riolueang & **Vip Viprakasit**. Development of epigenetic analysis by determining CpG methylation profile to evaluate phenotypic heterogeneity in patients with thalassemia. *Program and abstract book for Annual BIOTEC Meeting*. Ekpilin Riverkeuw Hotel, Kanjanaburi, Thailand, October 26-28, 2006 (Poster presentation).
44. **Vip Viprakasit**. Common pitfalls in thalassemia diagnosis. *Program and Abstract Book of the 33<sup>rd</sup> National Scientific Conference: Hematology 2006: Common Pitfalls in Hematology*, Thailand Society of Hematology, Hilton Phuket Arcadia Resort & Spa, Phuket, Thailand, October 12-14, 2006 (invited speaker).
45. Yuwarat. Monteerarat, Orathai Piboonpocanun, Kleesabai Sanpakit, Worrawut Chinchang, Kalaya Tachavanich, Nualanong Visitsunthorn, Visit Tongboonkerd, Pakit Vichayanond & **Vip Viprakasit**. Identification of a novel *IL7RA* mutation (444\_450 insA) caused marked reduction in CD127 expression from a cohort molecular analysis of severe combined immunodeficiency (T<sup>-</sup>, B<sup>+</sup>, NK<sup>+</sup> SCID) in Thailand. *Program and abstract book for Annual Thailand Research Fund Conference*, Regent Cha-Um Hotel, Petchaburi, Thailand, October 12-14, 2006 (Poster presentation).
46. S. Khositseth, A. Sirikanerat, K. Wongbenjarat, S. Opastirakul, S. Khoprasert, R. Peuksungnern, D. Wattanasirichaikul, W. Thongnoppakhun, V. **Viprakasit** & P.

- Yenchitsomanus. Distal renal tubular acidosis associated with anion exchanger 1 (AE1) mutations in Thai children. *Program and abstract book for Annual Thailand Research Fund Conference*, Regent Cha-Um Hotel, Petchaburi, Thailand, October 12-14, 2006 (Poster presentation).
47. W. Glomglao, W. Utto, W. Chantasigh, P. Umritt & **V. Viprakasit\***. Application of multiplex-GAP PCR analysis for seven common  $\alpha$  thalassemia deletions in routine laboratory service. *Program and abstract book for 12<sup>th</sup> National Thalassemia Conference*, Chalern Sri Grand Hotel, Udonthani, Thailand, May 24-26, 2006 (Poster presentation).
48. T. Sanpraypan, N. Sripiboonkit, K. Tachavanich, L. Suwantol & **V. Viprakasit\***. Patients' satisfaction on services provided at pediatric regular transfusion clinic, Siriraj hospital. *Program and abstract book for 12<sup>th</sup> National Thalassemia Conference*, Chalern Sri Grand Hotel, Udonthani, Thailand, May 24-26, 2006 (Poster presentation).
49. Y. Monteerarat, O. Piboonpocanun, K. Sanpakit, W. Chinchang, K. Tachavanich, N. Visitsunthorn, P. Vichayanond, **V. Viprakasit\***. Molecular analysis of severe combined immunodeficiency in Thailand. *Program and abstract book for 32<sup>th</sup> Annual Meeting of The Thai Society of Hematology*, Chalerm Pra Baramee Building, Bangkok, Thailand, March 26-29, 2006 (oral presentation).
50. Kalaya Tachavanich & **Vip Viprakasit\***. Rapid flow cytometric test using Eosin-5-Maleimide Assay (EMA) for the diagnosis of red blood cell membrane disorders *Program and abstract book for 32<sup>th</sup> Annual Meeting of The Thai Society of Hematology*, Chalerm Pra Baramee Building, Bangkok, Thailand, March 26-29, 2006 (oral presentation) (oral presentation).
51. Jassada Buaboonnam, Krongjit Lekpetch, Worrawut Chinchang, **Vip Viprakasit\***. Do we need a prenatal diagnosis for our unborn baby? A further identification of Hb G-Makassar in Thailand presented as Hb S-like variant. *Program and abstract book for 32<sup>th</sup> Annual Meeting of The Thai Society of Hematology*, Chalerm Pra Baramee Building, Bangkok, Thailand, March 26-29, 2006 (oral presentation).
52. **Vip Viprakasit**. Genotype-phenotype interaction in paediatric patients with Hb H disease. *Update on Thalassemia Conference*, Royal City Hotel, Bangkok, Thailand, November 14, 2005 (invited speaker).
53. **Vip Viprakasit**. Current Approach in Paediatric Anemia. *Proceeding of the 37<sup>th</sup> National Paediatric Conference*, Cha-Um, Thailand, April 27-29, 2005 (invited speaker for a guest lecture on paediatric anemia).
54. Treesucon A, Sanpakit K, **Viprakasit V**, Theptaranon Y, Narkbunnam N and Veerakul G. Development of a multiplex RT-PCR for simultaneous detection of 5 fusion transcripts in childhood acute lymphoblastic leukaemia and Philadelphia-chromosome positive chronic myeloid leukaemia. *Program and Abstract Book of the 30<sup>th</sup> National Scientific Conference: Hematology 2005: State of the Art*, Thailand Society of Hematology, Bangkok, Thailand, March 7-10, 2005 (oral presentation).

55. **Vip Viprakasit**, Genotype-phenotype correlation in patients with  $\alpha$  thalassaemia *Proceeding of the 10th National Thalassaemia Conference*, Bangkok, Thailand, July 29-30, 2004 (invited speaker in a symposium on genotype-phenotype in thalassaemia).
56. **Vip Viprakasit**, Worrawut Chinchang, Pipat Chotimarattana, Yingyong Chinthamitr, Parichat Pung-Amritt and Voravarn S. Tanphaichitr. Hb Woodville, a rare alpha globin variant, caused by codon 6 mutation of the alpha 1 gene. *Proceeding of the 10th National Thalassaemia Conference*, Bangkok, Thailand, June 5-7, 2004 (oral presentation).
57. Worrawut Chinchang, Voravarn S. Tanphaichitr and **Vip Viprakasit** Successful molecular characterization in 280 Thai patients with Hb H disease. *Proceeding of the 10th National Thalassaemia Conference*, Bangkok, Thailand, June 5-7, 2004 (oral presentation).
58. Kalaya Tachavanich, **Vip Viprakasit**, Worawut chinchang, Waraporn Glomglao, Parichat Pung-Amritt and Voravarn S. Tanphaichitr. Hematological phenotype of homozygous hemoglobin E with and without alpha thalassaemia. *Proceeding of the 10th National Thalassaemia Conference*, Bangkok, Thailand, June 5-7, 2004 (poster presentation).
59. **Vip Viprakasit**, Alison T. Merryweather-Clarke, Yingyong Chinthamitr, Lisa Schimanski, Somdet Srichairatanakool, Chanin Limwongs, Alain Townsend and Kathryn J. H. Robson. Molecular diagnosis of the first ferroportin mutation (C326Y) in the Far East causing a dominant form of inherited iron overload. *Proceeding of the 5<sup>th</sup> Princess Chulabhorn International Science Congress*, Bangkok, Thailand, August 16-20, 2004 (poster presentation).
60. Worrawut Chinchang, **Vip Viprakasit**, Parichart Pung-amritt, Lerlugsu Suwantol, Voravarn S. Tanphaichitr and Pa-thai Yenchitsomanus. Molecular diagnosis of Hemoglobin Dhonburi, an electrophoretically silent hemoglobin variant. Presented in the 43<sup>rd</sup> Siriraj Scientific Congress, Faculty of Medicine Siriraj Hospital, Thailand, March 3-7, 2003 (oral presentation).
61. W. Chinchang, **V. Vipraksit**, P. Pung-amritt, T. Sangprayan and V.S. Tanphaichitr. The first identification of compound heterozygosity of a rare  $\beta$ -globin initiation codon mutation (ATG $\rightarrow$ AGG) and Hb E causing severe phenotype in a Thai patient. *Proceeding of the 9th National Thalassaemia Conference*, Bangkok, Thailand, May 5-6, 2003 (oral presentation).
62. Tanphaichitr VS, **Viprakasit V**, Veerakul G, Assteerawatt A, Tachavanich K, Songprayan T and Suvatte V. Iron Chelation in Thalassaemic Patients. *Proceeding of the 7th National Thalassaemia Conference*, Bangkok, Thailand, 2001 (oral presentation).
63. Tanphaichitr VS, Chokephaibulkit K, Viprakasit V, Suwantol L, Veerakul G, Kankirawatana S. Adverse reactions after 23-valent Pneumococcal Polysaccharide Vaccination Among Thai Thalassaemic Children. *Proceeding of the 6th National Thalassaemia Conference*, Bangkok, Thailand, 2000: p-13 (oral presentation).
64. Tanphaichitr VS, **Viprakasit V**, Mahasandana C, Assteerawatt A, Suwantol L, Veerakul G, Kankirawatana S, Pung-Amritt P and Suvatte V. Iron chelating; experience in paediatric patients at Syria Hospital. *Proceeding the 4<sup>th</sup> national conference of Thalassaemia*, Chiang Mai, Thailand 1998.

65. **Viprakasit V** and Rangsiyanond P. Hearing impairment in high-risk neonates. *Proceeding of the 3<sup>rd</sup> National Congress of Perinatology*, Bangkok, Thailand 1996.

## BOOK AND BOOK CHAPTERS (in English)

**Vip Viprakasit** & Worapant Kriengsoontornkit. Metal Antagonists (Iron Chelator) in Side Effects of Drugs, Annual, 35, Chapter 23; 419-433

Ali Taher, Elliott Vinchinsky, Khaled Musallam, Maria Dominica Cappellini, **Vip Viprakasit**. Guidelines for The management of Non Transfusion Dependent Thalassaemia (NTDT). Thalassaemia International Federation (TIF), Nicosia, Cyprus, 2013.

Maria D. Cappellini, Alan Cohen, John Porter, Ali Taher, **Vip Viprakasit**, editors. Guidelines for the Management of Transfusion Dependent Thalassaemia (TDT). Thalassaemia International Federation (TIF), Nicosia, Cyprus, 2014.

## BOOK CHAPTERS (in Thai)

**Vip Viprakasit**. Molecular Basis of Neonatal Hyperbilirubinemia. In: Soogsawang J Limprayoon G, Nguengchum S, Sanpakit & Kolatat T. editors. New Frontier in Pediatrics. 1<sup>st</sup> ed. Bangkok (Thailand): The How Can Do Co. Ltd. 2008. p 20-32.

**Vip Viprakasit**. Inherited Bone Marrow Failure Syndrome: An Update. In: Soogsawang J Limprayoon G, Nguengchum S, Sanpakit & Kolatat T. editors. New Frontier in Pediatrics. 1<sup>st</sup> ed. Bangkok (Thailand): The How Can Do Co. Ltd. 2008. p 229-241.

**Vip Viprakasit**. Update on molecular genetics of thalassemia in Thailand. In: Sanansilpa W. *et al.* editors. Excellent Medical Practice with Sufficiency Economy. 1<sup>st</sup> ed. Bangkok (Thailand): The P.A. Living Co. Ltd. 2007. p 275-86.

**Vip Viprakasit**. Acute anemia. In: Soogsawang J., Auengpreang P., Wisuthseriwong W., Srisuparo P. and Limprayoon G. editors. The Essentials in Pediatric Emergency. 1<sup>st</sup> ed. Bangkok (Thailand): The How Can Do; 2006. p 185-195.

**Vip Viprakasit**. Thalassaemia diagnosis. In: Prayoonwiat V. editor. Common Pitfalls in Hematology. 1<sup>st</sup> ed. Bangkok (Thailand): Thailand Society of Hematology; 2006. p 88-104.

## BOOKLETS

**Vip Viprakasit**. Clinical Practice Guideline for Deferiprone in Patients with Iron Overload. 1<sup>st</sup> ed. Bangkok, Government Pharmaceutical Organization (GPO) 2009; p 1-34.

**Vip Viprakasit & Thisarat Kusuwan**. Handbook for Blood Transfusion in Thalassaemia 1<sup>st</sup> ed. Bangkok, Media-Mate Publ. Co. Ltd. 2009; p 1-45.

**Vip Viprakasit**. IPD vaccine for thalassaemia patient. 1<sup>st</sup> ed. Bangkok, Media-Mate Publ. Co. Ltd. 2008.; p 1-12.

**Vip Viprakasit**. 10 Steps for oral chelation therapy-A focus on deferasirox. 1<sup>st</sup> ed. Bangkok (Thailand), Media-Mate Publ. Co. Ltd. 2007; p1-24.

**Vip Viprakasit.** 10 Steps for oral chelation therapy-A focus on deferiprone. 1<sup>st</sup> ed., Bangkok (Thailand), Media-Mate Publ. Co. Ltd. 2007; p1-24.

**Vip Viprakasit.** What is Thalassemia Carrier. 1<sup>st</sup> ed. Bangkok (Thailand), Media-Mate Publ. Co. Ltd. 2007; p1-12.

**Vip Viprakasit.** How to maximize efficacy of desferioxamine therapy. 1<sup>st</sup> ed. Bangkok (Thailand), Media-Mate Publ. Co. Ltd. 2007; p1-12.

**Vip Viprakasit.** An update on iron chelation therapy. 1<sup>st</sup> ed. Bangkok (Thailand), Media-Mate Publ. Co. Ltd. 2006; p1-12.

**PUBLICATION IN POPULAR SCIENCE JOURNALS (In Thai)**

1. **Vip Viprakasit.** “When you have thalassemia gene”. *SciMag*, 2007; 4(5); 29-30.
2. Noppadol Sirithanarattanakul & **Vip Viprakasit.** “Iron overload management”. *Clinics*, 2007; 23 (7); 568-9.
3. **Vip Viprakasit.** “Ecchymosis in your kid, what should you do”. *Ruklook*, 2005; 273(10); 174-5.



**INVITED CHAIR-PERSON**

1. Meeting-chairman: 2012 EGM Iron Summit. Langham Place Hotel, Hong Kong, 22-23 September 2012.
2. Co-chairman session: Update on Paroxysmal Nocturnal Hemoglobinuria. The Second ASEAN Federation of Haematology Scientific Congress. The Waterfront Conference Center, Grand Copthorne Waterfront Hotel, Singapore, 8 September 2012.
3. Invited faculty: Non-Transfusion Dependent Thalassemia (NTDT) Severity Scoring Index. The Thistle Kingsley Hotel, London, UK, 31 July 2012.
4. Thalassemia International Federation (TIF) delegation visit to Indonesia, Jakarta from 31 May-4 June 2012.
5. Co-chairman session: Free paper 11 (hematology-Oncology), The 8th Congress of Asian Society for Pediatric Research, Sheraton Grande Walkerhill Hotel, Seoul, Korea, 17-19 May 2012.
6. Invited faculty: Non-Transfusion Dependent Thalassemia (NTDT) Communication Advisory Board. Sofitel Heathrow Hotel, London, UK, 28 November 2011.
7. Meeting-chairman: Thalassaemia & Sickle Cell Iron Summit: Hyatt Regency Hotel, Dubai, United Arab of Emirates, 9 April 2011.
8. International scientific advisory and local organizing committee for The First Pan-Asian Conference on Haemoglobinopathies, Royal Orchid Sheraton, Bangkok, Thailand, 8-10 February 2012.
9. International scientific advisory committee for 12<sup>th</sup> International Conference on Thalassaemia and the Haemoglobinopathies, WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011.
10. Advisory board member on thalassemia, Indian Society of Hematology, ITC Grand Central Hotel, Parel, Mumbai, India, 29 May 2011
11. Advisory board member on MRI LPI Assessing the role of cardiac MRI, LPI, and deferasirox blood level testing in IOL monitoring in clinical practice, Baltimore Hotel, Paris, France, 11 January 2011
12. Advisory board member on deferasirox, Marina Mandarin Hotel, Singapore, 7 October 2008
13. Co-chairman session: Simultaneous symposia 10: Free Paper Presentation. The Joint 7<sup>th</sup> Human Genome Organization (HUGO)-Pacific Meeting and the 8<sup>th</sup> Asia-Pacific Conference on Human Genetics. The Shangri-la Mactan Island Resort, Mactan Island, Cebu, Philippines, 3 April 2008.

14. Co-chairman session: Symposium on Hearing Impairment. The 6<sup>th</sup> Asia Pacific Regional Meeting of the International Society of Neonatal Screening. Furama Hotel, Singapore, 1 September 2007.

15. Advisory board member on iron overload in thalassemia intermedia. The Asia Pacific Summit-New Horizon in Treating Hematological Diseases-translating science, building alliance 2007. Jeju Island, South Korea, 5 July 2007.

## **INVITED SPEAKER**

### **International speaker**

1. “Optimal Iron Chelation” and “Management of Thalassaemia Intermedia” 7<sup>th</sup> Thalassaemia Workshop for doctors, nurses and health personannel. Ambulatory Care Center, Hospital Pulau Pinang, 8 October 2012.

2. “Tissue iron monitoring” in Standards of care II symposium, “Genotype-phenotype correlation in thalassaemia” in Translating research to clinical care symposium. “Optimising quality of life” in Meet the expert session and “Country report on prevention and control program for severe thalassemia syndrome” 5<sup>th</sup> National Thalassaemia Seminar for Patients, Parents and Professionals “Optimising quality of life”, Ministry of Health, Malaysia, Sunway Putra Hotel, Kaula Lumpur, 6-7 October 2012.

3. “Pathophysiology and the complications of iron overload across anemias”, “Review of the physiology, diagnosis and management of  $\beta$ -thalassemia major” and “Panel discussion: 5-years n practice with deferasirox”. The 2012 EGM Iron Summit, Langham Place Hotel, Hong Kong, 22-23 September 2012.

4. “Haemoglobinopathies in 2012”. The 2012 Australia Institute of Medical Scientist (AIMS) Natinal Scientific Meeting (NSM), Darwin Convention Center, Darwin, Australia, 24-27 September 2012.

5. “Hb E thalassemia Syndromes: How to diagnose and manage these patients” and “Novel/rare causes of congenital non-immune hemolytic anemia”. The Second ASEAN Federation of Haematology Scientific Congress. The Waterfront Conference Center, Grand Copthorne Waterfront Hotel, Singapore, 7-8 September 2012.

6. The 6<sup>th</sup> Prof. Alendry P. Caviles Jr. Memorial Lecturer on the topic; “Thalassemia Screening in Developing Countries” for the Philippine Society of Hematology and Blood Transfusion (PSHBT)’s 42<sup>nd</sup> Annual Convention, Crown Plaza Manila Galleria, Oritigas Avenue, Asian Develoment Ave., Quezon City, Philippines, 4 September, 2012.

7. “Non-transfusion dependent thalassemia (NTDT) in Asia” in Haematology Stream: Advances in Management of Thalassaemia and Multiple Myeloma. Novartis Oncology Asia Pacific Summit 2012, Inter Continental, Kuala Lumpur Hotel, Kuala Lumpur, Malaysia, July 8, 2012.

8. “Prevention and control program for severe thalassemia syndromes in Thailand” A Joint-Official Visit Seminar between National Institute of Hematology and Blood Transfusion (NIHBT) and Faculty of Medicine Siriraj Hospital, Auditorium room, NIHBT, Hanoi, Vietnam, 22 June 2012.

9. “Caring for your NTDT patient: interactive case study in Satellite Symposium “Beyond thalassemia major: what’s new in non-transfusion –dependent thalassemia (NTDT)” at the 17<sup>th</sup> Congress of the European Hematology Association (EHA), Amsterdam RAI, Amsterdam, The Netherlands, 14 June 2012.

10. “Variable clinical phenotypes and management outcomes in patients with KLF-1 mutations” 18<sup>th</sup> Annual Conference on Hemoglobin Switching, The Asilomar Conference Center in Pacific Grove, Monterey, California, USA, 7-11 June 2012.

11. “Global epidemiology of  $\beta$ -, Hb E,  $\alpha$ -thalassemia and SCD with specific reference to Asia and its emerging health problem. The 8<sup>th</sup> Congress of Asian Society for Pediatric Research. Sheraton Grande Walkerhill Hotel, Seoul, Korea, 17-19 May 2012.

12. “Clinical complications in Hb E/ $\beta$  thalassemia” Global Iron Summit 2012, Maritim Hotel, Berlin, Germany, 17-18 March 2012.

13. The Keynote lecture on “Epidemiology and Background & Thalassemia intermedia”. The Master-class for Adult Thalassemia and Haemophilia Nursing 2012 organized by World Federation of hemophilia and Thalassemia International Federation, Hospital Authority Headquarter, Hong Kong SAR, 26 – 28 February 2012.

14. “Treatment of  $\alpha$ -thalassemia-Hb H disease” and “Global epidemiology of  $\beta$ -, Hb E,  $\alpha$ -thalassemia and SCD with specific reference to Asia” The First Pan-Asian Conference on Haemoglobinopathies, Royal Orchid Sheraton, Bangkok, Thailand, 8-10 February 2012.

15. “Clinical phenotypes and molecular pathology of common thalassaemia and haemoglobinopathies in the Far East” Department of hematology, School of Medicine, Cardiff University, Cardiff, UK, 26 January 2012.

16. “Clinical trial on deferiprone in Thailand” Red cell disorder unit seminar, Department of hematology, University College of London, UK, 25 January 2012.

17. “Update on thalassemia and hemoglobinopathies: From bench to bedside”. In Symposium 1: Haemoglobinopathies in the Haematology Society of Australia and New Zealand, Australia and New Zealand Society of Blood Transfusion and Australian Society of Thrombosis and Haemostasis (HAA) 2011 Sydney Australia with XIIth Congress of the International Society of Hematology Asia-Pacific Division. 30 October-2 November 2011.

18. “State of the Art Treatment for Hemoglobin Disorders” Program for Health Professionals, Edsa Sheangi- La Hotel, Santan Room and Program for Patients/Parents Workshop by Thalassemia International Federation (TIF). Opal Room, Millenia Suites 8001 Jose Maria Escrivá Drive, Ortigas Center, Pasig city, Philippines, 3-4 September 2011.

19. “The role of iron chelation therapy in iron overload patients” 2011 Chinese Medical Association-Taipei & Taiwan Society of Cancer Palliative Medicine Combined Annual Meeting, Taiwan Veterans General Hospital, Taipei, 26 June 2011 and at Southern Taiwan Hematology Expert Meeting, Shangri-La’s Far Eastern Plaza Hotel, Tainan, 27 June 2011 and at Central Taiwan Hematology Expert meeting, Windsor Hotel, Taichung, 28 June 2011.

20. “Iron chelation in Medical Panel: Overview/ Summary and Questions & Answers.” “Clinical complications in thalassaemia intermedia in Non-Transfusion Dependent Thalassemia Revisited 2011 symposium” and “Heterogeneity in the Clinical Severity of HbH Disease” in the Alpha-thalassemia symposium. 14<sup>th</sup> International TIF Conference for Thalassaemia Patients and Parents and 12<sup>th</sup> International Conference on Thalassemia and the Hemoglobinopathies. WOW Hotels Topkapı & Kremlin Palace – Antalya, Turkey, 11-14 May 2011.

21. “Cardiac outcomes in thalassemia and Asia Pacific Iron Academy T2\* network” and “Update on Iron Chelation therapy in Thalassemia Major” The Indian Iron Summit, Mumbai, 20-21 May 2011.

22. “A geneticist’s perspective Hemoglobinopathies and Thalassemias; different perspectives” 2011 AACC (American Academy of Clinical Chemistry) Annual Meeting, Georgia World Congress Center, Atlanta, Georgia, July 24 – 28, 2011.

23. “Chelation therapy and goals of treatment in  $\beta$ -thalassemia major.” Australian Iron Summit 2011, Intercontinental Hotel, Sydney, Australia, 29 May 2011.

24. “Practical challenges on the management of patients with thalassaemia major” and “Thalassemia” 2011 HSA NZ Queensland State Meeting, State Library of Queensland, Southbank, Brisbane, Australia, 25-26 March 2011.

25. “Management of Hb E/ $\beta$  thalassaemia” Global Iron Summit 2011, The Swissôtel The Bosphorus, Istanbul, Turkey, 11-12 March, 2011.

26. “Real time PCR and high resolution melt analysis (HRM) application for prenatal diagnosis of thalassaemia: A pre-congress workshop on laboratory diagnosis of thalassaemia”, “Molecular basis of beta-thalassemia in Symposium2; Molecular biology of thalassaemia”, “Management of thalassaemia in Meet-the-expert” and “Impact of iron removal across diseases in Symposium 8: Basic science of iron toxicities”. The 3<sup>rd</sup> International Conference on Thalassemia in China & The 2<sup>nd</sup> Asia Pacific Iron Academy (APIA) Conference, Guangxi Wharton International Hotel, Nanning, Guangxi, P. R. China, 3 – 6 November 2010.

27. “Standard of care: Genotype phenotype & Iron Chelation: Is there an optimal strategy”. The 5<sup>th</sup> Thalassaemia workshop for doctors, nurses and health personnel, Penang General Hospital, Penang, Malaysia, 4 October 2010.

28. “Types of Thalassaemia & Chelation Therapy”. The 15<sup>th</sup> Thalassaemia Camp, Penang Thalassemia Society, Hotel Cititel, Penang, Malaysia, 2-3 October 2010.

29. "Thalassemia & Hemoglobin disorders in the next decade: Evolving diagnosis and treatment". National Congress on Hematology & Blood Transfusion 2010, National Institute of Hematology and Blood Transfusion, Hanoi, Vietnam, 22 Sep 2010.
30. "Mutations in the EKLF Gene Lead to an Unexpectedly Severe Phenotype in a Family with Thalassaemia". Quick Fire Session in the 17<sup>th</sup> Hemoglobin Switching Conference, St. John's College, Oxford, UK, 2-6 September, 2010.
31. "Overview of cardiac iron overload in patients receiving chronic transfusions: presentation, diagnosis and treatment options" Thailand Iron Summit 2010. Millennium Hilton Hotel, Bangkok, Thailand, 25 August 2010
32. "Laboratory diagnosis of alpha-thalassaemia" and "Thalassaemia screening program: Thailand Experience". Workshop on Laboratory diagnosis of thalassaemia and haemoglobin variants: updates and pitfalls in diagnosis, Department of Pathology-Haematology, Hospital Kuala Lumpur & Ministry of Health Malaysia. Auditorium National Blood Services Centre, Kuala Lumpur, 23 July 2010
33. "Update on developments in management of cardiac iron overload in patients with thalassaemia" Indonesia Iron Summit 2010, 3 July 2010, Hotel Meliá Purosani, Yogyakarta, Indonesia, 3 July, 2010
34. "Update on developments in management of cardiac iron overload in patients with thalassaemia" Taiwan Iron Summit 2010, Shangri-La Far Eastern Plaza Hotel, Taipei, Taiwan, 27 June, 2010
35. "Update on CORDELIA study (2206)". Deferasirox Investigator Meeting Hotel Melia Barcelona, Barcelona, Spain, 10 June 2010
36. "Chelation therapy and goals of treatment in  $\beta$  thalassaemia major" The Ingueral Australian Iron Academy 2010. Intercontinental Hotel, Sydney, Australia, 29 May 2010.
37. "Optimal management of iron toxicity". Iron Overload Case Study Forum 2010. Grand Prince Hotel Akasaka, Tokyo, Japan, 22 May 2010.
38. "What is the role of iron chelation therapy in  $\beta$ -thalassaemia intermedia?" Global Iron Summit 2010, Hilton Hotel, Prague, Czech Republic, 10 & 11 April 2010.
39. "Understanding Thalassemia & Hemoglobin Variants-HPLC and molecular point of view" and "Workshop on Thalassaemia Diagnosis" in The 7<sup>th</sup> Thal user meeting - Bio-Rad India 2010. Mumbai, Kolkata and Delhi, 12-14 March 2010.
40. "Recent update of iron chelators" Peer to Peer Meeting for Thalassaemia. Indonesian Pediatrician Haematologist Working Group. JW Marriott Hotel, Medan, Indonesia, 22 Feb 2010.
41. "Hereditary disorders of iron metabolism: Asian perspective" and "A novel form of iron deficiency anemia refractory to oral iron therapy". The Frist Asia-Pacific Iron Academy (APIA)-

Conference 2009: Iron in Health and Diseases. The Shangri-La Hotel, Chiang Mai, Thailand, November 26-29, 2009.

42. "An Overview of Thalassaemia Care in the Asia-Pacific", The Malaysian Thalassaemia Registry Meeting, The Malaysian Society of Paediatric Haematology and Oncology (MASPHO), Corus Paradise Hotel, Port Dickson, Negeri Sembilan, Malaysia, October 31<sup>st</sup>, 2009.

43. "Optimising iron chelation therapy", "Alpha Thalassaemia", "Challenges in thalassaemia management in the developing country" and "The alpha thalassaemia syndrome". 4<sup>th</sup> Thalassaemia Workshop, Penang Hospital and 13<sup>th</sup> Thalassaemia Camp, The Hospital Pulau Pinang and Pulau Pinang Thalassaemia Society, Malaysia, October 17-18, 2009.

44. "Treatment of iron overload in pediatric thalassemia: Experience and data from Thailand" Thailand Iron Summit 2009, Novartis Oncology: Asia-Pacific. Centara Grand Hotel, Bangkok, Thailand, July 8<sup>th</sup>, 2009.

45. "Recent advances in Iron Chelation Therapy in Thalassaemia Major" The East Malaysia Thalassaemia Forum, The Malaysian Paediatric Association, Sutera Harbour Resort, Kota Kinabalu, Malaysia, June, 13<sup>th</sup>, 2009.

46. "Recent studies on Chelation Therapy in Thailand" The NIH-NHLBL/NIDDK Workshop on Thalassemia: Clinical Priorities and Clinical Trials. Fishers Lane Conference Center, Rockville, MD, USA, May 20-21, 2009.

47. "Case-discussion: Optimal dosing of iron chelation therapy in Optimizing management of iron toxicity in thalassemia", Global Iron Summit, Excerpta Medica, Hilton London Metropole, April 4-5, 2009.

48. "Treatment with deferasirox (EXJADE) in various anemias" Current Status and Problems of Global Clinical Trials: Progress in Hematology-2009" 5<sup>th</sup> General Assembly Asian Hematology Association-2009, Kobe Portopia Hotel, Kobe, Japan, February 13-14, 2009.

49. "Panel of Expert Discussion" in Thalassemia major expert lunch symposium at American Society of Hematology Meeting, Grand Hyatt Hotel, San Francisco (CA), USA, December 6, 2008.

50. "Molecular basis of thalassaemia - screening strategy in The Pre-Congress Workshop on Diagnosis of Thalassaemia - Laboratory Methods, Molecular Basis and Screening Strategy", "Hb H disease: A wide spectrum of clinical severity"; Symposium on Alpha Thalassemia, "Geographic distribution and heterogeneity of alpha thalassemia; Symposium on Thalassemia Epidemiology" and "Hb E and thalassemia intermediate" and Meet the Expert Session. The 11<sup>th</sup> International Conference on Thalassemia & Hemoglobinopathies and 13<sup>th</sup> International TIF Conference for Thalassemia Patients & Parents (International Thalassemia Conference 2008), Suntec Singapore International Convention & Exhibition Centre, Singapore, October 8-11, 2008.

51. "Optimal Management of iron overload in Thalassemia and Other Anemias". 38<sup>th</sup> Annual Convention The Philippine Society of Hematology and Blood Transfusion: Hematology and

Transfusion Medicine: Current Status and Future Perspectives, Edsa Shangri-La Hotel, Mandaluyong City, The Philippines, September 8-10, 2008.

52. “Clinical and laboratory diagnosis of thalassemia”, “Iron chelation: Past, Present & Future”, “Genotype-phenotype correlation in thalassemia” and “Improving quality of life for thalassemia patients”. 3<sup>rd</sup> National Thalassemia Seminar and Clinical Course in the Management of Thalassemia, Berjaya Time Square Hotel & Convention Centre, Kuala Lumpur, Malaysia, May 26-29, 2008.

53. “The Challenge of Managing Thalassemia & New Insights in Iron Chelation”; Symposium on Thalassemia-Where are we now? Hong Kong Society for the Study of Thalassemia. Casablanca, 27<sup>th</sup> fl., The Park Lane Hotel, Causeway Bay, Hong Kong, May 8, 2008.

54. “Iron overload, practical management & current recommendation” and “The new era of iron overload” 3<sup>rd</sup> National Congress of Blood Transfusion and Hematology. Nha Trang, Vietnam, April 17-18, 2008.

55. “Pharmacogenomics in childhood malignancy”; Symposium session on Pharmacogenomics in Clinical Genetics. Joint 7<sup>th</sup> Human Genome Organization (HUGO)-Pacific Meeting and the 8<sup>th</sup> Asia-Pacific Conference on Human Genetics. Shangri-la Mactan Island Resort, Cebu, Philippines, April 2-5, 2008.

56. “Hb E/ $\beta$  thalassemia-update on management” A special lecture for The KK Women’s and Children Hospital of Singapore, March 14, 2008.

57. “Thalassemia: A view from Thailand as the hotspot, and the beckoning of a new dawn”; NUH Grand Round. The National University Hospital of Singapore, March 14, 2008.

58. “Update in the management of iron overload” An interactive case-studies workshop. Singapore Society of Hematology and Novartis Oncology, Singapore. Conrad Centennial Singapore Hotel, Singapore, March 13, 2008.

59. “Study design and research ethical issues and strategies for genetic epidemiology of influenza”; Genetic epidemiology of Influenza: A multinational pediatric initiative planning meeting. Delta Chelsea Hotel and The Hospital for Sick Children, Toronto, Canada, September 14-15, 2007.

60. “Genetic abnormalities in G6PD”; Symposium IX on G6PD Deficiency. The 6<sup>th</sup> Asia Pacific Regional Meeting of the International Society of Neonatal Screening. Furama Hotel, Singapore, August 29<sup>th</sup> - September 1, 2007.

61. “Thalassemia intermedia-pathophysiology and complications”; Session IV: Thalassemia-Future of Iron Chelation Therapy. The Asia Pacific Summit-New Horizon in Treating Hematological Diseases-translating science, building alliance 2007. Jeju Island, South Korea, July 6-9, 2007 (invited speaker)

62. “Evolving treatment paradigms in hematology”. The 2007 Hematology Forum of the Philippine Society of Hematology and Blood Transfusion. Taal Vista Hotel, Tagaytay, The Philippines, March 2, 2007.

63. “Variant thalassemia syndrome and therapeutic aspect”. Thalassemia Intermedia Advisory Board Meeting. Ambasciatori Palace Hotel, Rome, Italy, March 20, 2007.

64. “Gene therapy in thalassemia” The 4<sup>th</sup> Annual Meeting of Asian Hematology Association (AHA). Hilton Park-Nai Lert Hotel, Bangkok, Thailand, February 25, 2007.

65. “Thalassemia management: Physician Panel” The Exjade Asia Pacific Internal Launch Meeting. Grand Hyatt Aerawan Hotel, Bangkok, Thailand, May 16, 2006.

### **Local speaker**

1. “Hereditary disorders of iron metabolism”: SIBC 603: Biochemistry of Disease, Department of Biochemistry, Faculty of Medicine Siriraj Hospital, February 16, 2009.

2. “Gene Therapy”. 6<sup>th</sup> ASH Refresher Course for Hematologists, The Thailand Society of Hematology, Spring Field Resort & Spa, Cha-Um, Thailand, January 16-17, 2010.

3. “Thalassemia in New Era” Update in Pediatrics 2009, Sawanpracharak Hospital, Nakornsawan, November 20, 2009.

4. “Review on red cell membrane disorder” The Haematology/Oncology Course for Pediatric Residents, Vajira Medical college, Bangkok, Thailand, November 17, 2009.

5. “Thalassemia Diagnosis” Training course and Workshop for prevention and control programme for severe thalassemia, Siriraj Thalassemia Programme Project, Department of Research and Development, Faculty of Medicine Siriraj Hospital, June 17-19 and November 18-20, 2009.

6. “Iron chelation therapy in Thalassemia and GOOD-SMP programme for GPO-L-ONE”, Pratunthani Hospital, November 13, 2009.

7. “Iron chelation therapy in Thalassemia and GOOD-SMP programme for GPO-L-ONE” for 14 Southern Regional Hospitals, J. B. Hotel, Hat Yai, November 3, 2009.

8. “Update on thalassaemia management” First Siriraj Thalassaemia Seminar, Faculty of Medicine Siriraj Hospital, October 9, 2009.

9. “Current Clinical Practice on Thalassemia Management” Training and Workshop for Noreastern Thalassemia, Khon Khen Hospital, September 24-25, 2009.

10. “Thalassemia disease and Iron chelation therapy in Thalassemia Patients” Maharaj Nakornsriathammaraj Hospital, September 4, 2009.

11. “Thalassemia”, Bhumiphol Adulyadej Hospital, August 7, 2009.



12. "Update in Pediatrics" Join Conference in Medical Sciences 2009 by Faculty of Medicine Siriraj Hospital, Mahidol University and Faculty of Medicine, Chulalongkorn University. Centara Grand Hotel, Bangkok, July 24, 2009.

13. "GLO-L-ONE: A New Dawn of Thai Thalassemic Patients: Luncheon Symposium", The 15<sup>th</sup> National Thalassemia Conference, Charoen Sri Grand Hotel, Khon Khen, Thailand, April 22-24, 2009.

14. "Understanding genetic association study in common pediatric problems" The 67<sup>th</sup> Annual Thailand National Pediatric Conference, The Zign Hotel, Pattaya, Chonburi, Thailand, April 9-11, 2009.

15. "CBC interpretation and common problems in hematology": Introduction to haematology/oncology course for pediatric residents, Vajira Medical college, Bangkok, Thailand, March 20, 2009.

16. "Recent advance of Iron Chelation therapy; Long term efficacy and safety of deferasirox 4.7 years". Corporate Symposium 3: "Problem-Oriented Hematology: 36<sup>th</sup> Annual Meeting of The Thailand Society of Hematology", Anoma Hotel, Bangkok, Thailand, March 16-19, 2009

17. "Red Cell Disorders: Clinical Approach to Red Cell Enzymopathy: Symposium 1". "Problem-Oriented Hematology: 36<sup>th</sup> Annual Meeting of The Thailand Society of Hematology", Anoma Hotel, Bangkok, Thailand, March 16-19, 2009

18. "Comprehensive care for thalassaemia", Basic Nursing Care Program for Thalassemia Patients, Siriraj Thalassemia Research Network, Faculty of Medicine Siriraj Hospital, Mahidol University, March 1st, 2009, Pullman King Power Hotel, Rangnum, Bangkok.

19. "Red cell membrane diseases". Department of Biochemistry, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, February 27, 2009.

20. "Stem cells, What's Here and What's Next", Annual Meeting of Dermatological Society of Thailand, Centara Grand Hotel, Bangkok, Thailand, February 26, 2009.

21. "Disease of blood and blood forming organs-I". Intensive Review in Pediatrics by The Royal College of Pediatrics of Thailand, Pramongkutkoal Hospital College of Medicine, Bangkok, Thailand, February 18-21, 2009.

22. "Hemoglobin/Red cell-Epigenetics". 5<sup>th</sup> ASH Refresher Course for Hematologists, The Thailand Society of Hematology, Rayong Resort, Rayong, Thailand, January 17-18, 2009

23. "Molecular genetics in Kawasaki Disease"; Update on Kawasaki Disease, The Thailand Society of Pediatric Cardiology Meeting, Siam City Hotel, Bangkok, Thailand, November 23, 2008.

24. "Thalassemia". Lecture tour, Faculty of Medicine, Thammasat University, Pratumthani, Thailand, November 11, 2008.

25. "CBC; When to Order and How to Interpret the CBC count". The 66<sup>th</sup> Annual Thailand National Pediatric Conference, Centara Grand & Bangkok Convention Center at Central World, Bangkok, Thailand, October 3, 2008.
26. "Thalassemia", Lecture tour, Prananklow General Hospital, Pratumthani, July 8, 2008.
27. "Recent advance in thalassemia management", Lecture tour, Lumpang Regional Hospital, Lumpang, June 20, 2008.
28. "Thalassemia" Staff-training session, Wyeth Co. Ltd. Silom Building, Bangkok, August 29, 2008.
29. "Clinical experience on deferiprone: significant adverse events". Investigator Meeting on GPO-L-ONE<sup>®</sup> VMI initiative study organized by Government Pharmaceutical Organization (GPO), Miracle Grand Hotel, Bangkok, Thailand, August 29, 2008.
30. "Diamond Blackfan Anemia (DBA) in pregnancy". Department of Obstetrics and Gynaecology, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, July 25, 2008.
31. "Update on molecular genetics of Thalassemia in central Thailand" and "Interactive workshop on oral iron chelation therapy in Thalassemia". The 14<sup>th</sup> National Thalassemia Conference, Miracle Grand Hotel, Bangkok, Thailand, June 25-7, 2008
32. "Phase III-Clinical study for deferiprone" and "Clinical experience on deferiprone: Pediatric aspects". Investigator Meeting on GPO-L-ONE<sup>®</sup> Clinical Trial A001 organized by Thalassemia Foundation of Thailand, Rose Garden Hotel, Nakorn Prathom, Thailand, May 25, 2008.
33. "Update on pharmacogenetics in cancer therapy". Lecture tour, Tumour Center, Bhumipoladulyadej Hospital, Bangkok, Thailand, May 13, 2008.
34. "Update on oral chelation therapy". The 7<sup>th</sup> Annual Meeting for World Thalassemia Day, Thalassemia Foundation of Thailand, Pramongkutkoal Hospital College of Medicine, Bangkok, Thailand, May 11, 2008.
35. "Emerging roles of Exjade in Thalassemia". Novartis Hematology Day; Glivec Exjade Tasigna Together, Hyatt Regency, Hua Hin, Petchaburi, Thailand, May 3-4, 2008.
36. "Chelation in the context of the latest iron science". Symposium session on Managing Iron Overload to Improve Patient Outcomes. The 65<sup>th</sup> Thailand National Pediatric Conference, Holiday Inn Resort, Regent Beach, Chaum, Petchaburi, Thailand, April 23-25, 2008
37. "Management of hematologic malignancy and invasive fungal infections". Staff-training session, Schering-Plough Co. Ltd. Rajanakarn Building, Bangkok, Thailand, April 8, 2008.
38. "How to approach Non-Hb Bart's hydrops fetalis". Obstetrics & Gynecology Conference, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, March 28, 2008.

39. "Molecular Basis of Neonatal Hyperbilirubinemia". The 47<sup>th</sup> Annual Siriraj Medical Conference; A New Era of Best Practice and Innovation, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, March 17-19, 2008.

40. "Inherited Bone Marrow Failure Syndrome: An Update". The 47<sup>th</sup> Annual Siriraj Medical Conference; A New Era of Best Practice and Innovation, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, March 17-19, 2008.

41. "Disease of blood and blood forming organs-I". Intensive Review in Pediatrics by The Royal College of Pediatrics of Thailand, Pramongkutkoal Hospital College of Medicine, Bangkok, Thailand, March 3-7, 2008.

42. "Update on molecular genetics of iron metabolism". Refresher Course for Haematologist: Update on Hematology-4, Thailand Society of Hematology, Royal Hill Golf Club Resort & Spa, Nakorn-nayok, Thailand, March 1-1, 2007.

43. "Laboratory diagnosis for Thalassemia". Intensive course for thalassemia diagnosis, Division of Laboratory Diagnosis, Department of Public Health, Bangkok Metropolitan, Bangkok, Thailand, February 29, 2008.

44. "Red cell membrane diseases". Department of Biochemistry, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, February 8, 2008.

45. "Revolution in the treatment of iron overload". Clinical Practice in Pediatrics 2007: Health Oriented Approach. Pramongkutkoal Hospital College of Medicine. Bangkok, Thailand, December 11, 2007.

46. "Anemia in children and iron chelation treatment in Thalassemia". Lecture tour, National Institute of Child Health, Ministry of Public Health, Bangkok, Thailand, January 29, 2008.

47. "Current approach in common causes of anemia in childhood and novel management". Department of Pediatrics, Prapinkaow Hospital, Thai Navy, Bangkok, Thailand, January 25, 2008.

48. "Basic Science Research" Course on Research Methodology, Department of Research & Development, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, December 4, 2007.

49. "Practical management of iron overload". Department of Pediatrics, Faculty of Medicine, Chiang Mai University, November 13, 2007.

50. "Practical and effective oral iron chelating therapy". Luncheon symposium on Practical and effective oral iron chelating therapy for transfusional iron overload; the silent killer, Century Park Hotel, Bangkok, October 19, 2007.

51. "Update on Molecular Genetics of Thalassemia". The Joint Symposia; Medical Genetics Update 2007 7 Second Genetic Metabolic Symposium. Bangkok, Thailand, November 6-7, 2007

52. "Update on pathophysiology in Thalassemia" and "update on oral iron chelation therapy in Thalassemia". The 13<sup>th</sup> National Thalassemia Conference, Miracle Grand Hotel, Bangkok, Thailand, October 4-5, 2007

53. "Thalassemia diagnosis and pitfalls" and "Review of current iron overload treatments for clinical practice and management goals". Exjade Educational Meeting "Turning the Science of iron overload into iron chelation practice. Kirimaya Resort & Spa, Kho Yai, Nakornrajchasma, September 29-30, 2007.

54. "Update on thalassemia management". Rajchaburi Regional Hospital, Thailand, August 21, 2007.

55. "Update on thalassemia management". Maharaj Nakornarachasima Regional Hospital, Thailand, August 14, 2007.

56. "Laboratory diagnosis for thalassemia in the symposium: Laboratory Diagnostic Technology for Thalassemia". The 50<sup>th</sup> Anniversary Conference of Faculty of Associated Medical Technology 2007, Impact Arena, Bangkok, Thailand, June 26, 2007 (invited speaker).

57. "Update on thalassemia management; a focus on blood transfusion and iron chelation therapy". The 6<sup>th</sup> Annual Meeting for World Thalassemia Day, Thalassemia Foundation of Thailand, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, April 29, 2007.

58. "Update on molecular genetics of thalassemia in Thailand". The 46<sup>th</sup> Annual Siriraj Medical Conference, Thai Navy Convention Centre, Bangkok, Thailand, March 7, 2007.

59. "Molecular basic of hereditary persistent of fetal haemoglobin (HPFH)" in Symposium; Fetal globin induction-can it cure  $\beta$ -thalassemia. The 46<sup>th</sup> Annual Siriraj Medical Conference, Thai Navy Convention Centre, Bangkok, Thailand, March 7, 2007.

60. "Molecular pharmacogenomics" and "Ribosomes in bone marrow failure syndrome" in Refresher Course for Haematologist: Update on Hematology-3, Thailand Society of Hematology, Aekpilin Resort & Spa, Kanjanaburi, Thailand, February 10-11, 2007.

61. "Discovering new paradigm in human molecular genetics from a classical mendelian disease". Seminar in Medical Biochemistry. Faculty of Medicine, Khon Khen University. Bangkok, Thailand, January 23, 2007.

62. "Discovering new paradigm in human molecular genetics from a classical mendelian disease". Molecular Biology Club. Faculty of Medicine, Chulalongkorn University. Bangkok, Thailand, January 17, 2007.

63. "Iron overload: a preventable hazard". A public education programme. Faculty of Medicine, Siriraj hospital, Mahidol University. Bangkok, Thailand, December 23, 2006.

64. "Clinical approach to anemia in childhood". Tips and tricks in Paediatric Emergency, an annual paediatric conference, Department of Paediatrics, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, November 15-17, 2006.

65. "Clinical application of IEF in differential diagnosis of hemoglobinopathy in Thailand". Special seminar on an application of distinguished technique, Iso-Electric Focusing (IEF) in Hemoglobinopathy Screening and Diagnostics. Swisotel Le Concorde Hotel, Bangkok, Thailand, October 3, 2006.

66. "Common pitfalls in thalassemia diagnosis". The 33<sup>rd</sup> National Scientific Conference: Hematology 2006: Common Pitfalls in Hematology, Thailand Society of Hematology, Hilton Phuket Arcadia Resort & Spa, Phuket, Thailand, October 13, 2006.

67. "Update in thalassemia". Continuing Medical Education in Paediatrics. Program for pediatricians and senior nurses from the Philippines, Department of Paediatrics, Faculty of Medicine Siriraj Hospital, Bangkok, September 9, 2006.

68. "Simple solutions of iron overload management". Novartis Hematology Day. Evason Hua Hin Resort, Hua Hin, Thailand, September 2, 2006.

69. "New paradigm in human molecular genetics from a classical mendelian disease". Research Club in Molecular Medicine. Faculty of Medicine Ramathibodi Hospital, Mahidol University. Bangkok, Thailand, August 21, 2006.

70. "Introduction to research question". A training course for routine to research proposal development (R2R). Faculty of Medicine Siriraj Hospital, Bangkok, Thailand, July 25, 2006.

71. "Common hematologic problems". Training course on Pediatrics for Bangladesh College of Physicians and Surgeons (BCPS). Department of Paediatrics, Faculty of Medicine Siriraj Hospital, Bangkok, July 13, 2006.

72. "Clinical manifestation and management of thalassemia". Training course for prevention and controls of severe thalassemia. Department of Health, Ministry of Public Health. Mareuw Garden Hotel, Bangkok, Thailand. July 12, 2006.

73. "Thalassemia" and "Red cell membrane disorder". Tutorial in Pediatric Hematology. Shangrila Hotel, Bangkok, Thailand. May 21, 2006.

74. "Molecular genetics in thalassemia". Hematology: Translating Sciences to Clinical Practices. The Annual Meeting of Thailand Society of Hematology. March 27, 2006.

75. "Cancer epigenetics" and "Present & future therapeutic potentials in thalassemia" in Refresher Course for Haematologist: Update on Hematology-2, Thailand Society of Hematology, Thawarawadee Resort & Spa, Prajeanburi, Thailand, February 4, 2006.

76. "Genotype-phenotype interaction in paediatric patients with Hb H disease". Update on Thalassemia Conference, Royal City Hotel, Bangkok, Thailand, November 14, 2005.

77. “Current Approach in Paediatric Anemia”. The 37<sup>th</sup> National Paediatric Conference, Ambassador City Hotel, Cha-Um, Thailand, April 27-29, 2005.

78. “Gene regulation in hematopoiesis” and “Thalassemia” in Refresher Course for Haematologist: Update on Hematology-1, Thailand Society of Hematology, Rayong Resort, Rayong, Thailand, February 15-16, 2005.

79. “Genotype-phenotype interaction in patients with  $\alpha$  thalassaemia” The 10<sup>th</sup> National Thalassemia Conference, Radison Hotel, Bangkok, Thailand, July 29, 2004.

80. “Laboratory diagnosis for thalassemia”. Training course for prevention and controls of severe thalassemia. Department of Health, Ministry of Public Health, Bangkok, Thailand. July 22, 1998.

### TRAINING COURSE

Programme Director for international preceptorship training in Thalassemia & Haemoglobinopathies, Siriraj-Thalassemia Center, Bangkok 10700, Thailand, since 2016.

Programme Director for Training Course in Laboratory Diagnosis for Thalassemia & Haemoglobinopathies, WHO Collaborating Centre for Prevention and Control of Thalassemia and Haemoglobinopathies, Bangkok 10700, Thailand, since 2007.

Program Director for Basic Nursing Care Program for Thalassemia Patients, Siriraj Thalassemia Research Network, Faculty of Medicine Siriraj Hospital, Mahidol University, March 1<sup>st</sup>, 2009, Pullman King Power Hotel, Rangnum, Bangkok.

### EXTRACURRICULAR ACTIVITIES

**2009-Present date** Secretary General for Asia-Pacific Iron Academy Board (APIA)

**2009-Present date** Program Director for Basic Nursing Care Program for Thalassemia Patients, Siriraj Thalassemia Research Network, Faculty of Medicine Siriraj Hospital, Mahidol University,

**2009-Present date** Expert reviewers for Malaysian’s Clinical Practice Guideline for management of transfusion dependent thalassemia, Ministry of Health and Academy of Medicine of Malaysia, Malaysia

**2009-Present date** Expert panels for The National Science and Technology Development Agency (NASDA) on stem cell research for BIOTEC,

Thailand and Nanotechnology for NANOTEC, Thailand.

**2008-Present date** TIF-Medical Collaborator

Thalassemia International Federation, 2007 Strovolos, Cyprus

**2007-Present date** Subcommittee on academics and continuing medical education,  
The Royal College of Pediatrics of Thailand.

**2005-Present date** Local committee on academics and training,  
WHO Collaborating Centre for Prevention and Control of Thalassemia and  
Haemoglobinopathies, Bangkok 10700, Thailand.

**1998-Present date** Editorial Board, "Thalassemia Foundation of Thailand Bulletin"

The bulletin has been in existence for the past ten years. Its primary purpose is to serve the public awareness and increase understanding of thalassemia syndrome in Thais.

**2000-2001** Treasurer of the Oxford Buddhist Society, University of Oxford

**Editorial Boards for:**

- Blood Research
- International Journal of Blood Transfusion & Immunohematology
- Thalassemia Reports Journal
- Scientific World Journal
- Journal of Hematology and Transfusion Medicine (Thailand) since 2007
- Journal Medical Association of Thailand (Supplement Issue 2005)
- Siriraj Medical Journal

**Ad hoc reviewer for:**

- |                                   |  |
|-----------------------------------|--|
| • British Journal of Haematology  | • American Journal of Hematology                             |
| • European Journal of Haematology | • Genetics in Medicine                                       |
| • Acta Haematologica              | • Clinical Investigative Medicine                            |
| • Haematologica                   | • The Hematology Journal                                     |
| • Bioinformatics                  | • Archive of Medical Research and<br>Medical Science Monitor |
| • Clinical Chemistry              |  |
| • Clinica Chimica Acta            |  |

**AFFILIATIONS**

- Medical Council of Thailand.
- Royal Academy of Paediatrics of Thailand
- The Society of Haematology of Thailand
- The American Society of Hematology (ASH, international member)
- European Haematology Association (EHA, international member)
- American Diabetic Association (ADA, invited member)



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## **CAREER PLAN AND PERSONAL STATEMENT**

### **Short term**

After I finish my postdoctoral fellowship training, I will return back to the Department of Pediatric, Faculty of Medicine, Siriraj Hospital, Mahidol University, Thailand where I will continue my research on thalassaemia and hemoglobin disorders. Using all sort of genetic approaches I learnt from Oxford, I should be able to characterize the majority of the molecular abnormalities underlying thalassaemia and hemoglobinopathies found in Thai population. I will continue my major research interest on phenotypic diversity of  $\alpha$ - and  $\beta$ -thalassaemia to order to provide a better genetic counseling for such patients and study other possible modifying genes and potential of these in term of phenotypic prediction and provide measures for better treatments in patients. Moreover, I plan to use molecular approach to explore other hematological problems in Thailand.

### **Long term**

I would like to set up my own research unit in the Faculty of Medicine, Siriraj Hospital to work on all different aspects of red blood cell disorders i.e. red cell membrane defects, iron metabolism in particular hereditary hemochromatosis, red cell enzymopathies and other related tropical haematological problems such as haematological aspects of dengue haemorrhagic fever, malaria, acquired platelet dysfunction with eosinophilia and Southeast Asian Ovalocytosis (SAO) etc. I have my personal interest in anion exchanger protein (AE-1 or band 3), that its mutations can give rise to different phenotypes involving red cell membrane disorder and renal tubular acidosis. If possible, this unit will provide clinical and laboratory training for national and international scientists and physicians who are interested in tropical haematology and also offer opportunity for young doctors from the next generation in particular developing countries nearby Thailand who would like to embark to the exciting field of molecular medicine, the same prestigious chance once I received from Oxford.