

## Curriculum Vitae

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### Education

1983- 1987 B.Sc. (Medical Technology)  
Department of Medical Technology, Faculty of Medicine,  
Chulalongkorn University, Bangkok, Thailand  
1988- 1991 M.Sc.( Biochemistry)  
Department of Biochemistry, Faculty of Science, Mahidol University,  
Bangkok, Thailand  
1993- 1997 Ph.D. (Molecular Physiology)  
Institute of Cellular and Molecular Biology, Osaka University, Osaka,  
Japan  
1995-1997 Post-Graduate Training in Molecular Biology  
National Cardiovascular Center, Research Institute, Osaka, Japan  
2000 one month-training in a technique for high-throughput genotyping  
Department of Geriatric Medicine, Ehime University School of  
Medicine, Japan  
2001-2003 Post-Doctoral Training in Molecular Genetics and Functional  
Genomics at National Cardiovascular Center, Research institute,  
Osaka, Japan

### Research Experience

1987-1 991 Enzyme/Protein Biochemistry from the studies on Glucose-6-  
Phosphate Dehydrogenase at Chulalongkorn University, Bangkok,  
Thailand and Cassava Linamarase at Mahidol University, Bangkok,  
Thailand  
1993-present Cellular and Molecular Biology from the studies on 1) p53, Tumor  
suppressor at Institute of Cellular and Molecular Biology, Osaka  
University, Osaka, Japan , 2) Mef2b, Muscle-specific enhance factor in  
muscle differentiation at National Cardiovascular Center, Research  
Institute, Osaka, Japan 3) Ampd3, heart type-adenine monophosphate  
deaminase, in muscle contraction cloning-expression-genomic

localization at National Cardiovascular Center, Research Institute, Osaka, Japan 4)cardiac cell death in a model of ischemic-reperfusion (on-going)

2001-2004 Molecular Genetics and Functional Genomics from the studies on Functional single nucleotide polymorphism on human promoters: Experimental and Computational analyses at National Cardiovascular Center, Research Institute, Osaka, Japan and Suranaree University of Technology, Nakhonrajshima, Thailand

### **Research of Interest**

- 1 . Genomic Research in Neurovascular and Cardiovascular Diseases especially, cerebral stroke and heart failure
2. Molecular Research in Ischemic Heart Diseases especially the effect of adenosine and anti-oxidative compounds
3. Bioactive compounds for Smoking cessation and Anti-aging

### **Scholarship/Fellowship/Grants**

- 1990 Scholarship for Graduate studies from National Center for Genetic Engineering, Thailand
- 1992 Scholarship for Research studies from Ministry of Culture, Science and Education (Monbusho), Japan
- 1993-1996 Scholarship for Graduate studies from Ministry of Culture, Science and Education (Monbusho), Japan
- 2000 Post-Doctoral Fellowship, Thailand Research Fund, Thailand (Principle investigator)
- 2001 -2003 Post-Doctoral Fellowship, Japanese Science and Technology Corporation, Japan (Principle investigator)
- 2003-present Post-Doctoral Fellowship, Thailand Research Fund, Thailand (Principle investigator) (received in Nov 2003, started the project in Nov 2005 since health problem)
- 2005- present Two research grants of Faculty of Medicine, Srinakarinwirot University

### **Publications/Presentation**

1. Sermsuvitayawong K., Pongtheera S. (1988) Determination of glucose-6-phosphate Dehydrogenase. *Med.Tech.Bull.*, Chulalongkorn Univ. 1(1 ): 4-8
2. Takimoto M., Sermsuvitayawong K., and Matsubara K.(1994) Identification and purification of cellular proteins that bind the conserved region of tumor suppressor p53.

*Biochem.Biophys.Res.Comm.* 202(1 ): 490-493

3. Sermsuvitayawong K., Svasti J., Sawangareetrakul P., et al. (1995) Aggregation of cassava linamarase. *J.Sci.Soc.Thailand* 21: 286-292
4. Wang X.,Morisaki H., Sermsuvitayawong K., et al. (1997) Cloning and expression of cDNA encoding heart-type AMP deaminase. *Gene* 188: 285-290
5. Morisaki T.,Sermsuvitayawong K., Byun SH., et al. (1997) Mouse Mef2b gene : Unique member of MEP2 gene family. *J Biochem* 122: 939-946
6. Sermsuvitayawong K., Wang X., Nakabukuro A., et al. (1997) Genomic organization of Ampd3, Heart-type AMPD gene, located in mouse chromosome. *Mammalian Genome* 8: 767-769
7. Morisaki T.,Sermsuvitayawong K., Wang X., et al. (1998) Molecular analysis of mouse Ampd3 gene encoding heart type isoform of AMP deaminase. *Adv.Exp.Med.Biol.* 431: 337-340
8. Sermsuvitayawong K., Morisaki T. (2003) Functional Promoter Single Nucleotide Polymorphisms : Experimental and Computerized analyses. 29<sup>th</sup> Congress of Science and Technology of Thailand
9. Sermsuvitayawong K., et al. Identification of functional polymorphism at 5'-flanking regions of lipid regulators (manuscript in preparation).
10. Sermsuvitayawong, K. and Watanapokasin, R. (2008) Effect of ginkgo biloba extract (GBE) on telomerase expression in cardiac myoblast cell lines. Srinakharinwirot Research Day, 31 Jan-1 Feb, 2008

1. ทุนวิจัยและงานวิจัยที่กำลังทำ

Post-Doctoral Fellowship, Thailand Research Fund, Thailand

1. Purine metabolism in adenosine postconditioning in cardiac myoblast

Research grants of Srinakarinwirot University, Thailand

1. Long-term primary culture by activation of telomerase
2. Molecular effect of herbal extracts for smoking cessation