Curriculum Vitae

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Education

1994 – 2000	M.D.	Faculty of Medicine at Siriraj hospital, Mahidol University Thailand
2002 – 2006	Ph.D.	in human molecular biology, Jichi Medical University, JAPAN

Work Experiences and Positions

2000 – 2001	Internship in Chaiyapoom Province (Awarded as “Best Intern Doctor of the Province Year 2000”)
2001 – 2002	Lecturer Department of Anatomy, Faculty of Medicine Chulalongkorn University

2001	Certificate, Lipid Biology, RIKEN institute, JAPAN
2002 – 2006	Research Assistant, Department of Anatomy and Department of Legal Medicine and Human Genetics. Jichi Medical University, JAPAN
2006 – Present	Head, Division of Histology and Cell Biology Department of Anatomy, Faculty of Medicine, Chulalongkorn University.

Research Works

International publication

Lowanitchapat A, Payungporn S, **Sereemaspun A**, Ekpo P, Phulsuksombati D, Poovorawan Y, Chirathaworn C. Expression of TNF-alpha, TGF-beta, IP-10 and IL-10 mRNA in kidneys of hamsters infected with pathogenic Leptospira. Comp Immunol Microbiol Infect Dis (2009), doi:10.1016/j.cimid.2009.05.001

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Effect of gold nanoparticles on spermatozoa: the first world report. Fertil Steril. 2009 Jan;91(1):e7-8.

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Effect of gold nanoparticle on the microscopic morphology of white blood cell. Cytopathology. 2009 Apr;20(2):109-10.

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Identification of gold nanoparticle in lymphocytes: A confirmation of direct intracellular penetration effect. *Turkish Journal of Hematology* 26 (1), pp. 29-30

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Gold nanoparticles and a microscopic view of platelets: a preliminary observation. Cardiovasc J Afr. 2009 ;20(2):141-2.

Sereemaspun A, Wiwanitkit V, Rojanathanes R. Effect of gold nanoparticle on renal cell: an implication for exposure risk. Ren Fail. Volume 30, Issue 3, March 2008.323-325

Lowanitchapat A, **Sereemaspun A**, Ekpo P, Phulsuksombati D, Poovorawan Y, Chirathaworn C. LipL32 mRNA expression in kidneys, livers and lungs of hamsters infected with pathogenic leptospira. Asian Biomedicine. Vol.2, April 2008. 141-146

Rojanathanes R, **Sereemaspun A**, Pimpha N, Buasorn V, Ekawong P. Wiwanitkit, V. Goldnano particle as an alternative tool for urine pregnancy test: the first world report. Taiwan. J. Obstet. Gynecol., 2008. Sep;47(3):296-9.

Sereemaspun A., Hongpiticharoen P., Rojanathanes R., Maneewattanapinyo P., Ekgasit S., Warisnoicharoen W. Inhibition of Human Cytochrome P450 Enzymes by Metallic Nanoparticles: A Preliminary to Nanogenomics Int. J. Pharmacol. 2008 ; 4 (6): 492-495

Sereemaspun A, Wiwanitkit V, Rojanathanes R. The protein bonding effect of gold nanoparticles in milk. Implication for possible risk of nanoparticle exposure. Archives of Hellenic Medicine 25 (5) : 631-633

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Visualization of gold nanoparticle on the microscopic picture of red blood cell: implication for possible risk of nanoparticle exposure. Stoch Environ Res Risk Assess (2008). 22: 583–585

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Visualization of gold nanoparticle on the microscopic picture of red blood cell: implication for possible risk of nanoparticle exposure. Stoch Environ Res Risk Assess (2007). DOI 10.1007/s00477-007-0177-3

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Increasing the agglutination reaction in slide test for weak B blood group by gold nanoparticle solution: the first world report. J Immunol Methods. 2007 Dec 1;328(1-2):201-3.

Wiwanitkit V, **Sereemaspun A**, Rojanathanes R. Gold nanoparticle as an alternative tool for urine microalbumin test: the first world report. Ren Fail. 2007;29(8):1047-8.

Sereemaspun A, Takeuchi K, Inagaki T, Sato Y, Iwamoto S, Ookawara S, Hakamata Y, Murakami T, Kobayashi E; Testosterone-dependent transgene expression in the liver of CAG-lacZ transgenic rat. Gene Expression. 2005; 12: 305-313

Takeuchi K, **Sereemaspun A**, Inagaki T, Hakamata Y, Kaneko T, Murakami T, Takahashi M, Kobayashi E, Ookawara S. Morphologic characterization of green fluorescent protein in embryonic, neonatal, and adult transgenic rats. Anat Rec A Discov Mol Cell Evol Biol. 2003; 274:883-886.

Proceedings and poster presentation

Sereemaspun A, Wiwanitkit V, Rojanathanes R. The Effect of Proteinuria in Precipitation of Gold Nanoparticle in Urine Sample. Proceedings for First Thailand National Nanotechnology Conference: Pharmaceutical, Nanomaterials, Devices and Applications. Chiangmai, Thailand. August 14-16, 2007.

Sereemaspun A, Rojanathanes R, Wiwanitkit V. Establishment of Gold-nanoparticle as an Alternative Tool for Urine Pregnancy Test. Proceedings for the 5th National Conference on Biomedical Engineering. Bangkok, Thailand. July 8th, 2007.

Sereemaspun A, Buasorn W, Jirathavorn C, Wisedopas N. Novel Histopathological Findings of Leptospora-Infected Organs: Insight from Hamster Model. Proceedings

for 30th Annual Meeting of the Anatomy Association of Thailand. Chiangmai, Thailand. May 2-4, 2007.

Sereemaspun A, Takeuchi K, Ookawara S.; Androgen- and methylation-dependent transgene expression in the liver of CAG-lacZ transgenic rat. The 110th Japanese Associations of Anatomist annual meeting. Toyama, Japan, March 27-31, 2005.

Sereemaspun A, Takeuchi K, Ookawara S.; Reduction of androgens promotes the Change of DNA methylation in the liver of CAG-lacZ Tg rat. Proceedings for International congress of International Federation of Associations of Anatomists (IFAA). Kyoto, Japan, August 22-27, 2004.

Sereemaspun A, Takeuchi K, Ookawara S.;testosterone up-regulate transgene expression in the CAG-lacZ transgenic rat. The 25th Japanese society of inflammatory and regenerative medicine annual meeting. Tokyo, Japan, July 14th, 2004.

Sereemaspun A, Takeuchi K, Iwamoto S, Ookawara S.; Evaluation of Green Fluorescent Protein (GFP) expression in GFP transgenic rat. The 108th Japanese Associations of Anatomist Annual Meeting, Fukuoka, Japan, March 26-30, 2003.

Takeuchi K, Hakamata Y, Inagaki T, **Sereemaspun A.**; Histological Examination of GFP Transgenic rat. Proceedings for The XIVth International Workshop on Genetic system in the Rat. Kyoto, Japan, October 8-11, 2002.

<u>ตำราและบทความตีพิมพ์</u>

อมรพันธุ์ เสรีมาศพันธุ์. **Nanomolecular Diagnosis:** อนาคตอันใกล้ของเทคนิคการแพทย์.ใน “วารสารสมาคมเทคนิคการแพทย์แห่งประเทศไทย”. ฉบับเดือน ตุลาคม – ธันวาคม 2549.

อมรพันธุ์ เสรีมาศพันธุ์ และ กนิษฐา ภัทรกุล. โรคฉี่หนูหรือเลปโตสไปโรสิส : ใน “สารานุกรมความรู้ทางการแพทย์ แพทย์จุฬาฯ สู่ประชาชน” คณะแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พิมพ์ครั้งที่ 1.

อมรพันธุ์ เสรีมาศพันธุ์. Lives and Births of Cells in Tissues. ในตำรา “เซลล์ชีววิทยาทางการแพทย์ 2: กลไกการทำงานของเซลล์และเนื้อเยื่อ” ภาควิชาชีวเคมี คณะแพทยศาสตร์ จุฬาลงกรณ์ฯ. พิมพ์ครั้งที่ 1 พ.ศ. 2550: หน้า 320 – 336

โรจนฤทธิ์ โรจนธเนศ และ อมรพันธุ์ เสรีมาศพันธุ์. Gold Nanoparticle As A Nevel Tool For DNA and Protein Detection. จุฬาลงกรณ์เวชสาร พฤศจิกายน พ.ศ. 2552

Research Interest

1. Nanobiotechnology in medical application
2. **Cell and molecular biology**

GRANTS AND AWARDS

2000 – 2001	Awarded as “Best Intern Doctor of the Province Year 2000”, Chaiyappom province, Thailand
2002 - 2006	Grants-in-Aid of Research – Jichi Medical University. Japan