

Assistant Prof. Dr. Wichian Sittiprapaporn

ผศ.ดร. วิเชียร สิทธีประภาพร

Education

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| 2006 – 2007 | Postdoctoral Fellow, Seoul National University College of Medicine Seoul, South Korea |
| 2005 | Certificate in Cognitive Neurosciences Helsinki Winter School of Cognitive Neurosciences University of Helsinki, Finland |
| 1998 – 2002 | Ph.D. in Neurosciences, Neuro-Behavioural Biology Center Institute of Science and Technology for Research and Development Mahidol University, Thailand |
| 1994 – 1997 | M.A. in Linguistics, Institute of Language and Cultural for Research and Development, Mahidol University, Thailand |
| 1993 – 1994 | Certificate in English for Communication Purposes, Cambridge University, England |
| 1990 – 1993 | B.A. (Hons.) in English, Srinakharinwirot University, Thailand |

Positions:

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| | Present Assistant Professor: School of Anti-Aging and Regenerative Medicine, Mae Fah Luang University |
| 2012 | Assistant Professor: Faculty of Medicine Mahasarakham University |
| 2010 | Lecturer: College of Music Mahasarakham University |
| 2005 | Visiting and Research Scientist: Division of Neurosurgery, Department of Surgery, Faculty of Medicine, Ramathibordi Hospital, Mahidol University |
| 2003 | Lecturer: Neuro-Behavioural Biology Center, Institute of Science and Technology for Research and Development, Mahidol University |

Areas of Specialization and Research of Interest (ROI):

Cognitive Psychology; Cognitive Neurosciences; Cerebral Mechanisms in Perception and Cognition; Brain Mechanism of Music and Language Perception and Cognition; Neurobiology of Learning and Memory; Learning Disabilities and Communicative Disorders; Psychology of Language and Music Learning (Biological and Psychological Perspectives); Neuro-Musicology and Neurologic Music Therapy; Brain Imaging and Biomedical Engineering, Signal Processing; Neurological Intra-Operative Monitoring (NIOM); Electroencephalography (EEG), Event-related Potentials (ERPs), Evoked Potentials (EPs)

Memberships in Scientific Societies

- Senior Member, International Association of Engineers (IAENG)
- Member, International Association of Computer Science and Information Technology (IACSIT)
- Member, Asia-Pacific Chemical, Biological and Environmental Engineering Society (CBEES)
- Member, World Academy of Science, Engineering and Technology (WASET)
- Member, European Neural Network Society (ENNS)
- Member, International Society of Brain Electromagnetic Topography (ISBET)
- Member, International Society of Behavioral Medicine (ISBM)
- Member, Thai Society of Behavioral Medicine (TSBM)
- Member, The Science Society of Thailand
- Member, The Society of Psychological Research of Thailand
- Member, The Thai Biomedical Engineering (TBME)
- Member, The Electrical Engineering/Electronics, Computer, telecommunications and Information Technology Association (ECTI Association)
- Member, The Thai Society of Biomedical Engineering (TBME)
- Member, The Alzheimer Thai Association (AZ)
- Member, Thai Association of Science and Technology Education (TASTE)

Selected Publications

Sittiprapaporn, W. *Learning Disabilities*. Rijeka: InTech, 2011

Sittiprapaporn, W. Pre-attentive Processing of Sound Duration Changes: Low Resolution Brain Electromagnetic Tomography Study. In: V. Chaudhary (Eds.). *Brain Imaging*, Rijeka: InTech, 2011.

Sittiprapaporn, W. Brain Imaging of Different Music Sound Duration as Revealed by Standardized Low Resolution Brain Electromagnetic Tomography (sLORETA). In: R. Shi, W. Fu, Y. Wang, H. Wang (Eds.). *Biomedical Engineering and Informatics*, 2009; 1: 145-148.

Sittiprapaporn, W. The Musician's Brain. *Journal of Biological Sciences*, 2012; 12(7): 367-375.

Pongpanitanont, P., **Sittiprapaporn, W.**, Charoensuk, W. Pattern Recognition in Brain fMRI for Agnosia. *International Journal of Applied Biomedical Engineering*, 2010; 3(1): 39-44.

Tanwinit, A., **Sittiprapaporn, W.** Learning Styles of Undergraduate Musical Students Attending Music College in Thailand. *Revista Electr. De LEEME (Lista Europea Electrónica de Música en la Educación)*, 2010; 2(5): 149-163.

Sittiprapaporn, W. and Kwon, J.S. Brain Electric Microstate and Perception of Simultaneously Audiovisual Presentation. *Lecture Notes in Computer Science*, 2009; 5768: 345-355.

Sittiprapaporn, W. Monica: Tone Deafness. *Music Journal*, 2009; 14(6): 62-67.

Sittiprapaporn, W., Tervaniemi, M., Chindaduangratn, C., Kotchabhakdi, N. Pre-attentive Discrimination of Vowel Across-and Within-Category- Change in Consonant-Vowel Syllable. *NeuroReport*, 2005; 16(13): 1513-1518.

Sittiprapaporn, W., Chindaduangratn, C., Tervaniemi, M. and Kotchabhakdi, N. Preattentive Processing of Lexical Tone Perception by the Human Brain as Indexed by the Mismatch Negativity Paradigm. *Annual New York Academy of Science*, 2003; 999: 199-203.

Sittiprapaporn W., Kotchabhakdi, N. and Chindaduangratn C. Hemispheric Specialization for Speech Prosody: Evidence from Tone Languages. *Thai Journal of Physiology of Science*, 2001; 14(1): 43-66.

Sukittiworakul, R., Onlamul, C., Banchongsilpa, O., Trakanrung, S. and **Sittiprapaporn, W.** Effects of Music Instruction on the Spatial Ability in Tonal (Thai) Speaker Children's Brain. *Acta Paediatrica*, 2009; 96 (s456).

Sittiprapaporn, W., Kang, D-H., Roh, A.Y., Kang, K.W., Lee, B.R. and Kwon, J.S. Context-Dependent processing of audiovisual stimuli Indexed by Mismatch Negativity. In: S.D. Bella, N. Kraus, K. Over, C. Pantev, J.S. Snyder, M. Tervaniemi, B. Tillmann, G. Schlaug, *Annual New York Academy of Science*, 2009; 1169: 569.

Sittiprapaporn, W., Kang, D.H., Roh, A.Y., Kang, K.W., Lee, B.R. and Kwon, J.S. Does the Process of Simultaneous Audio-Visual Stimulus Reflect Completely Dependent Processing? *Journal of Psychiatry Investigation*, 2007; 4(1) (Supplement): 130.

Awikunprasert, C., Kotchabhakdi, N., **Sittiprapaporn, W.**, Chindaduangratn, C. and Kotchabhakdi, N. Sleep-Awake Patterns in Thai Children in Thailand. *Journal of Clinical Neurophysiology*, 2006; 117: S222-S223.

Sittiprapaporn, W., Khampan, W., Wang, T.C., Ananchaipatthana, P., Chindaduangratn, C. and Kotchabhakdi, N. Preattentive auditory processing of vowel duration changes in monosyllabic Thai words: Comparison between native and non-speakers of Thai. In: G. Avanzini, L. Lopez and S. Koelsch (eds.) *Annual New York Academy of Science*, 2005; 1060: 470.