

## BIOGRAPHY

**Name** Mr. Santi Maneewatchararangsri

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**Institution attended**

1999 Bachelor of Science in Medical Technology with second class honors  
Faculty of Associated Medical Sciences,  
Chiang Mai University,  
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**Employments**

2000-2001 Medical Technologist, National Institute for Child and Family  
Development, Mahidol University, Thailand

2000-2002 Medical Technologist (part-time) at Kluaynamthai hospital, Bangkok,  
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**Oral Presentations**

1. **Santi Maneewatchararangsri** Humanization of a murine monoclonal antibody  
against pathogenic *Leptospira* spp. Annual Senior Research Seminar Professor Wanpen  
Chaicumpa, May 30<sup>th</sup>, 2003, Sofitel Central Plaza Hotel, Bangkok, Thailand. (*Awarded*)

2. **Santi Maneewatchararangsri** Humanization of a murine monoclonal antibody  
against pathogenic *Leptospira* spp. Annual Senior Research Seminar Professor Wanpen  
Chaicumpa, May 11<sup>th</sup>, 2004, Montien Riverside Hotel, Bangkok, Thailand. (*Awarded*)

3. **Santi Maneewatchararangsri** Immunotherapy of leptospirosis using humanized-  
murine monoclonal antibody. Annual Senior Research Seminar Professor Wanpen  
Chaicumpa, December 20<sup>th</sup>, 2005, Rama Gardens Hotel, Bangkok, Thailand. (*Awarded*)

4. **Santi Maneewatchararangsri** Immunotherapy of leptospirosis using humanized-murine monoclonal antibody. RGJ-PH.D. Congress VI, April 28-30, 2005, Palm Beach Resort Hotel, Chonburi, Thailand. (*Awarded*)

5. **Santi Maneewatchararangsri** Humanized-monoclonal antibody that neutralizes heterologous *Leptospira* infection. The 23<sup>rd</sup> National Congress on Allergy and Immunology 2007, March 29-30, 2007, Radisson Hotel, Bangkok. (*Awarded*)

### Poster presentations

1. **Santi Maneewatchararangsri**, Yuwaporn Sakolvaree, Pramuan Tapchaisri, Patcharin Saengjaruk, Pongsri Tongtawe, Pornnapas Nibaddhasobon and Wanpen Chaicumpa. Construction of broad spectrum leptospirosis DNA vaccine. Annual Senior Research Seminar Professor Wanpen Chaicumpa, December 20<sup>th</sup>, 2005, Rama Gardens Hotel, Bangkok, Thailand. (*Awarded*)

2. Yuwaporn Sakolvaree, **Santi Maneewatchararangsri**, Patcharin Saengjaruk, Kanchana Tomnakan, Pornnapas Nibaddhasobon, Buppa Klaysing, Pongsri Tongtawe, Pramuan Tapchaisri and Wanpen Chaicumpa. Determination and characterization of specific- and *in vivo* expressed-*Leptospira* antigens. Annual Senior Research Seminar Professor Wanpen Chaicumpa, December 20<sup>th</sup>, 2005, Rama Gardens Hotel, Bangkok, Thailand.

3. Patcharin Saengjaruk, Wanpen Chaicumpa, Kanchana Tomnakan, Pongsri Tongtawe, Yuwaporn Sakolvaree, Pramaun Tapchaisri and **Santi Maneewatchararangsri**. Western blot analysis as a diagnostic test for human leptospirosis. Annual Senior Research Seminar Professor Wanpen Chaicumpa, December 20<sup>th</sup>, 2005, Rama Gardens Hotel, Bangkok, Thailand.

4. Yuwaporn Sakolvaree, **Santi Maneewatchararangsri**, Pramuan Tapchaisri, Patcharin Saengjaruk, Surasakdi Wongratanacheewin, Kanchana Tomnakan, Pornnapas Nibaddhasobon, Buppa Klaysing, Pongsri Tongtawe, and Wanpen Chaicumpa. *In vivo* expressed *Leptospira* antigens and a broad spectrum leptospirosis vaccine. RGJ-PH.D. Congress VII, April 20-22, 2006, Palm Beach Resort Hotel, Chonburi, Thailand. (*Awarded*)

5. **Santi Maneewatchararangsri**, Pramuan Tapchaisri, Yuwaporn Sakolvaree, Patcharin Saengjaruk, Surasakdi Wongratanachewin, Pongsri Tongtawe, Urai Chaisri, and Wanpen Chaicumpa. Immunotherapy of leptospirosis using humanized-murine monoclonal antibody. 5<sup>th</sup> Seminar on Food- and Water-borne Parasitic Zoonoses (5<sup>th</sup> FBPZ), November 28-30, 2006, Miracle Grand Convention Hotel, Bangkok, Thailand. (*Awarded*)

### **Publications**

1. **Santi Maneewatch**, Pramuan Tapchaisri, Yuwaporn Sakolvaree, Buppa Klaysing, Pongsri Tongtawe, Urai Chaisri, Thaweesak Songserm, Surasakdi Wongratanacheewin, Manas Chongsa-nguan, and Wanpen Chaicumpa. OmpL1 DNA vaccine cross-protects against heterologous *Leptospira* spp. challenge. Accepted for publish in Asian Pacific Journal of Allergy and Immunology, 18 May 2007.
2. Yuwaporn Sakolvaree, **Santi Maneewatch**, Surasak Jiemsup, Buppa Klaysing, Pongsri Tongtawe, Potjane Srimanote, Patcharin saengjaruk, Sirinuch Banyen, Pramuan Tapchaisri, Manas Chonsa-nguan, and Wanpen Chaicumpa. Proteome and Immunome of Pathogenic *Leptospira* spp. Revealed by 2DE and 2DE-Immunoblotting with Immune serum. Accepted for publish in Asian Pacific Journal of Allergy and Immunology, 18 May 2007.
3. **Santi Maneewatch**, Pramuan Tapchaisri, Yuwaporn Sakolvaree, Patcharin Saengjaruk, Taweesak Songserm, Surasakdi Wongratanacheewin, Pongsri Tongtawe, Potjane Srimanote, Urai Chaisri, and Wanpen Chaicumpa. Humanized-monoclonal antibody that neutralizes heterologous *Leptospira* infection. (submitted to PLOS Neglected Tropical Diseases)
4. Yuwaporn Sakolvaree, **Santi Maneewatch**, Pramuan Tapchaisri, Patcharin Saengjaruk, Pongsri Tongtawe, Potjane Srimanote, Buppa Klaysing, Surasakdi Wongratanacheewin, Manas Chongsa-nguan and Wanpen Chaicumpa. Epitopes of specific monoclonal antibodies to pathogenic *Leptospira* spp. contained in proteins with different functions. (Manuscript PLOS Neglected Tropical Diseases)
5. Anita Beboit, Yan Huang, **Santi Maneewatchararangsri**, Pramuan Tapchaisri and Robert Anderson. Regulation of airway eosinophil infiltration by  $\alpha$ -galactosylceramide in a mouse model for respiratory syncytial virus (RSV) vaccine-augmented disease. (Manuscript in preparation)

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