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**Publications:**

1. Wutticharoenmongkol, P., Berg, S., Nerness, A., Pavasant, P., Supaphol, P., and Ahmad, M. Electrospun polycaprolactone fibers filled with hydroxyapatite nanoparticles as bone tissue engineering substrate. In preparation.
2. Meechaisue, C., Wutticharoenmongkol, P., Waraput, R., Huangjing, T., Ketbumrung, N., Pavasant, P., and Supaphol, P. (2007) Preparation of Electrospun Silk Fibroin Fiber Mats as Bone Scaffolds: A Preliminary Study. Biomedical Materials, 2(3), 181-188.
3. Wutticharoenmongkol, P., Pavasant, P., and Supaphol, P. (2007) Osteoblastic Phenotype Expression of MC3T3-E1 Cultured on Electrospun Polycaprolactone Fiber Mats Filled with Hydroxyapatite Nanoparticles. Biomacromolecules, 8(8), 2602-2610.
4. Sangsanoh, P., Waleetorncheepsawat, S., Suwantong, O., Wutticharoenmongkol, P., Weeranantanapan, O., Chuenjitbuntaworn, B., Cheepsunthorn, P., Pavasant, P., and Supaphol, P. (2007) In Vitro Biocompatibility of Schwann Cells on Surfaces of Biocompatible Polymeric Electrospun Fibrous and Solution-Cast Film Scaffolds. Biomacromolecules, 8, 1587-1594.
5. Wutticharoenmongkol, P., Sanchavanakit, N., Pavasant, P., and Supaphol, P. (2006) Novel Bone Scaffolds of Electrospun Polycaprolactone Fibers Filled with Nanoparticles. Journal of Nanoscience and Nanotechnology, 6(2), 514-522.
6. Wutticharoenmongkol, P., Sanchavanakit, N., Pavasant, P., and Supaphol, P. (2006) Preparation and Characterization of Novel Bone Scaffolds Based on

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7. Wutticharoenmongkol, P., Supaphol, P., Srihirin, T., Kerdcharoen, T., and Osotchan, T. (2005) Electrospinning of Polystyrene/Poly(2-methoxy-5-(2'-ethylhexyloxy)-1,4-phenylene vinylene) Blends. Journal of Polymer Science - B: Polymer Physics, 43(14), 1881-1891.

#### **Presentations:**

1. Salad, M., Khurana, NR., Wutticharoenmongkol, P., and Ahmad, M. (2007, April 20) Endothelial Cells can Form Capillary Like Structures in the Presence of Osteoblasts. Paper presented at Dental Research Updates from the University of Minnesota; 3<sup>rd</sup> Annual Dean's Day, Minneapolis, Minnesota, USA.
2. Wutticharoenmongkol, P., Berg, S., Lee, D., Cui, T., Bhattacharya, M., and Ahmad, M. (2007, March 21-24) Carbon Nanotube Reinforced Composite as Potential Bone Tissue Scaffold Material. Paper presented at 85<sup>th</sup> general Session and Exhibition of the IADR; International Association for Dental Research, New Orleans, Louisiana, USA.
3. Wutticharoenmongkol, P., Berg, S., Nerness, A., Pavasant, P., Supaphol, P., and M. Ahmad (2007, March 21-24) Electrospun Polycaprolactone Scaffolds as Bone Tissue Engineering Substrate. Paper presented at 85<sup>th</sup> general Session and Exhibition of the IADR; International Association for Dental Research, New Orleans, Louisiana, USA.
4. Wutticharoenmongkol, P., Sanchavanakit, N., Pavasant, P., and Supaphol, P. (2005, December 12-15) Novel Bone Scaffolds Based on Electrospun Polycaprolactone Fibers Filled with Calcium Carbonate or Hydroxyapatite Nanoparticles: In Vitro Cell Response. Paper presented at the US-Thai Symposium on Biomedical Engineering in Thailand to Commemorate the 50th Birthday Anniversary of Her Royal Highness Princess Maha Chakri Sirindhorn, Bangkok, Thailand.
5. Wutticharoenmongkol, P., Sanchavanakit, N., Pavasant, P., and Supaphol, P. (2005, December 12-15) Novel Bone Scaffolds Based on Electrospun

Polycaprolactone Fibers Filled with Calcium Carbonate or Hydroxyapatite Nanoparticles: Preparation, Characterization, and Cytotoxicity. Paper presented at the US-Thai Symposium on Biomedical Engineering in Thailand to Commemorate the 50th Birthday Anniversary of Her Royal Highness Princess Maha Chakri Sirindhorn, Bangkok, Thailand.

6. Wutticharoenmongkol, P., Sanchavanakit, N., Pavasant, P., and Supaphol, P. (2005, December 6-7) Novel Bone Scaffolds Based on Electrospun Polycaprolactone Fibers Filled with Calcium Carbonate or Hydroxyapatite Nanoparticles: In Vitro Cell Response. Paper presented at the 1st Mathematics and Physical Science Graduate Congress (1st MPSGC), Bangkok, Thailand.
7. Wutticharoenmongkol, P., Supaphol, P., Srihirin, T., Osotchan, T., and Kerdcharoen, T. (2004, December 1-3) Effects of Polymer Concentration and Salt Addition on Electrospun PS/MEH-PPV Nanofibers. Paper presented at the International Conference on Smart Materials: SmartMat-'04 (Smart/Intelligent Materials and Nanotechnology), Chiang Mai, Thailand.