

AAPS PharmSciTech Volume 7, Issue 4 – Editorial

Patrick P. DeLuca

AAPS PharmSciTech is well into volume 7 of its young history. In 2005, volume 6, 81 papers were published. The goal for 2006 was 100–120 papers with a themed issue published and two others underway. By this writing the journal has published 79+ articles as we near the close of Issue 3 and the opening of Issue 4. There are currently 41 papers that have been accepted and are in various stages of production. *AAPS PharmSciTech* will publish at least 100 papers in volume 7.

Included during 2005 – 2006 was the themed issue *Process Analytical Technology* guest edited by Ajaz Hussain (ajaz.hussain@sandoz.com). A themed issue is underway: *Transforming Pharmaceutical Manufacturing: Benefits and Challenges*, guest edited by Robin Bogner (robin.bogner@uconn.edu) and Ajaz Hussain. A themed issue is also being considered on the work of the Product Quality Research Institute (PQRI) on *Leachables and Extractibles from Medicinal Polymers*. Anyone interested in contributing to these outstanding themed issues can contact me or the guest editors directly.

AAPS PharmSciTech was accepted by Thompson Scientific into the Institute for Scientific Information (ISI) database, and I am looking forward to next spring when Thompson Scientific will release an impact factor for the Journal as part of the 2006 Journal Citation Report. The assigning of an impact factor is a positive indication that the journal is maturing and providing useful and quality research to the scientific community.

The Graduate Student Award Papers are yearly highlights that appear in that volume's Issue 4, and this year is no exception. Two students whose manuscripts of their dissertation were selected by the Outstanding Graduate Student Research Award in Pharmaceutical Technologies Selection Committee, will receive the 2006 AAPS Graduate Student Awards in Pharmaceutical Technology, sponsored by Solvay Pharmaceuticals, Inc, and these manuscripts will be published online shortly before the 2006 AAPS Annual Meeting and Exposition in San Antonio, Texas. This year's recipients are:

Jerry Yong Yew Heng, Imperial College, London

"Anisotropic Surface Chemistry of Crystalline Pharmaceutical Solids"

Mentor: Daryl Williams

This research highlights that pharmaceutical crystalline solids exhibit variation in surface chemical properties and the paper includes a summary of facet dependant wettabilities for a range of common pharmaceutical solids. Inverse gas

chromotography for powders and sessile drop measurements on macroscopic crystals were concluded to be the methods of choice, offering benefits over conventional experimental approaches.

Preetanshu Pandey, West Virginia University

"Monte Carlo Simulations to Model Coating variability in a Pan Coating Process"

Mentor: Richard Turton

This research utilizes a powerful analytical tool (Monte Carlo Simulation) to predict the mass coating variability in pan coating devices. The model developed can provide a basis for adjustments in process parameters required during scale-up operations. The same methodology may be applied to any coating system, once key parameters have been established for the equipment.

PhD graduates who completed their programs during the July 1, 2005 to June 30, 2006 academic year, and who submitted both an abstract for presentation at the AAPS Annual Meeting and Exposition and a research manuscript for publication in an AAPS online journal, were eligible for the competition. Each Award consists of a \$500 honorarium, a plaque, and travel expenses to attend the Annual Meeting. The mentors receive plaques and \$500 toward their research programs. For more information on the Graduate Student Manuscript Competition for 2007 please contact Carole Aikman at aikmanc@aaps.org or by phone at (703) 248-4781, or myself at ppdelu1@uky.edu or by phone at (859) 257-1831.

It is with deep regret that I include in this editorial the news that recently the pharmaceutical sciences and the AAPS membership lost several outstanding individuals considered to be "Giants" in the pharmacy profession. Since five of these scientists were contributors to *AAPS PharmSciTech*, I felt it was appropriate to pay tribute to their memories by including eulogies in an "In Memoriam" section of this Issue.

Respectfully Submitted,

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Editor-in-Chief