

**PREDICTION OF "FIRST DOSE IN HUMAN" FOR
RADIOPHARMACEUTICALS / IMAGING AGENTS BASED ON
ALLOMETRIC SCALING OF PHARMACOKINETICS IN PRE-CLINICAL
ANIMAL MODELS**

by

David Charles Onthank

A Dissertation

Submitted to the Faculty of the

WORCESTER POLYTECHNIC INSTITUTE

In partial fulfillment of the requirements for the

Degree of Doctor of Philosophy

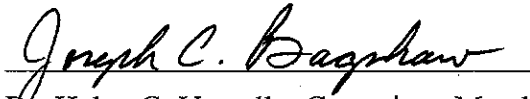
in

Biomedical Science

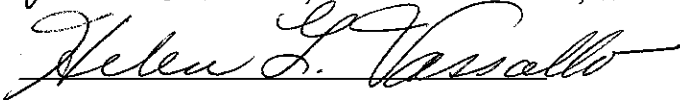
December 2005

APPROVED:

Dr. Joseph C. Bagshaw, Major Advisor, Worcester Polytechnic Institute



Dr. Helen G. Vassallo, Committee Member, Worcester Polytechnic Institute



Dr. Simon P. Robinson, Committee Member, Bristol-Myers Squibb Medical Imaging



Dr. Robert W. Siegl, Committee Member, Bristol-Myers Squibb Medical Imaging

