



School of Pharmacy
Annual Report 2003 - 2004



University of
Connecticut

Contents

Upcoming Events

January 2005

1/18 White Coat Ceremony
Lewis B. Rome Ballroom

February 2005

2/10 Job Fair
Lewis B. Rome Ballroom

March 2005

3/3 Scholarship Reception
Lewis B. Rome Ballroom

April 2005

4/12 Career Night
Lewis B. Rome Ballroom

May 2005

5/7 Commencement Day
Hooping Ceremony and
Awards Brunch

5/8 Undergraduate Reception

5/18 Arthur E. Schwarting
Pharmacy Practice
Symposium
Lewis B. Rome Ballroom

October 2005

10/21-22 Building Dedication
Ceremony and Events

Faculty & Staff	1	Student News	16
Dean's Message	2	New Haven Initiative	17
Alumni News	4	Curriculum Update	18
Alumni Update	5	Pharmacy Education	
Alumni Awardees	6	Management System	18
Rosenberg-Cohen		Advisory Board	19
Symposium	8	New Faculty	19
Connecticut Pharmacy		Faculty Publications	
Leadership Group	9	Pharmaceutical Sciences	20
Alumni Association		ASCP Training Program	20
Life Members	9	Antimicrobial Resistance	21
In Memoriam	9	Faculty Publications	
New Scholarships	10	Pharmacy Practice	22
Campaign UConn	10	Patient Counseling Lab	23
Beach Society	11	Neurotoxicology Center	23
Harry & Selma Swatsburg	11	Residents & Fellows	23
Pfizer Endowed Chair	12	Boehringer Ingelheim	24
Graduates	14	Building Update	24

On the Cover:

Pfizer representatives, School of Pharmacy graduate students, and Professor Michael Pikal at the June 23, 2004 announcement of the Pfizer Distinguished Endowed Chair in Pharmaceutical Technology.

On the Back Cover:

Work continues on the new Pharmacy/Biology Building. Interior spaces, such as laboratories and the library, are well on the way to completion.

Special Thanks to all of those who contributed their time and talents to the publication of this Annual Report:

Jeffrey Aeschlimann, Elizabeth Anderson, Ben Bahr, Alex Bothell, Dennis Chapron, Tina Covensky, Davis Brody Bond, LLP Architects, Jennifer Doak, Kim Deely Emery, Neil Facchinetti, Gerald Gianutsos, Sandra Goss, Philip Hritcko, Andrea Hubbard, Thomas Hurlbut, Brian Lachapelle, Ronald Langner, Leslie LeBel, Daniel Leone, Karen Logan, Paula Mattsson, Peter McAvoy, Sarah McCabe, Robert McCarthy, Liz Pallilo, Josie Pittman, Arthur Sorrentino, Kenneth Speranza, Sr.



University of Connecticut
School of Pharmacy
372 Fairfield Road ~ Unit 2092
Storrs, Connecticut 06269-2092
Telephone: (860) 486-2129 Facsimile: (860) 486-1553



UConn's School of Pharmacy is accredited by the
American Council on Pharmaceutical Education.



The University of Connecticut is accredited by the
New England Association of Schools and Colleges.



Faculty & Staff

Administrative Staff

Robert L. McCarthy, Ph.D.
Dean, Interim Department Head, and
Professor

Kenneth A. Speranza, Sr., Ph.D.
Associate Dean and Associate Professor

John B. Morris, Ph.D.
Department Head and Professor

External Relations

Elizabeth Anderson
Kim Deely Emery
Barbara Murawski

Pharmacy Library

Sharon Giovenale
Librarian

Support Staff

Sue Donnelly
Jenna Henderson
Wanda Joy
Leslie LeBel
Karen S. Logan
Paula Mattsson
Paul Shea
Margaret Tartsinis

Alumni Relations

Daniel C. Leone, Executive Secretary
School of Pharmacy Alumni
Association

Continuing Education

Henry A. Palmer
Director of Continuing Education

Mary Ann Phaneuf
Assistant Director

Development

Brian J. Lachapelle, MBA
Director of Development

Experiential Education

Philip Hritcko, Pharm.D.
Director of Experiential Education

Mary Ann Phaneuf
Assistant Director

Andre Lacombe
Field Coordinator

Mary Petruzzi
Field Coordinator

Pharmacy Practice

Jeffrey R. Aeschlimann, Pharm.D.
Assistant Professor

Charles F. Caley, Pharm.D.
Associate Clinical Professor

Marla J. Campbell, Pharm.D.
Assistant Clinical Professor

Dennis J. Chapron, M.S.
Associate Professor

Craig Coleman, Pharm.D.
Assistant Professor

Khanh (Devra) Dang, Pharm.D.
Assistant Clinical Professor

Jennifer Ellis, Pharm.D.
Assistant Clinical Professor

Neil J. Facchinetti, Ph.D.
Associate Professor

Michael C. Gerald, Ph.D.
Professor

Philip Hritcko, Pharm.D.
Assistant Clinical Professor

Jennifer James, Pharm.D.
Assistant Clinical Professor

Sean M. Jeffery, Pharm.D.
Assistant Clinical Professor

Lisa Larive, Pharm.D.
Assistant Clinical Professor

Robert L. McCarthy, Ph.D.
Dean, Interim Department Head, and
Professor

Trinh Pham, Pharm.D.
Assistant Clinical Professor

Kenneth A. Speranza, Sr., Ph.D.
Associate Dean and Associate
Professor

Fei Wang, Pharm.D.
Assistant Clinical Professor

C. Michael White, Pharm.D.
Associate Professor



Pharmaceutical Sciences

Brian J. Aneskievich, Ph.D.
Assistant Professor

Ben A. Bahr, Ph.D.
Associate Professor

Diane Biegel, Ph.D.
Assistant Research Professor

Robin H. Bogner, Ph.D.
Associate Professor

Marlene Bouvier, Ph.D.
Associate Professor

Diane J. Burgess, Ph.D.
Professor

Gerald Gianutsos, Ph.D.
Associate Professor

David F. Grant, Ph.D.
Associate Professor

James G. Henkel, Ph.D.
Associate Professor

Andrea K. Hubbard, Ph.D.
Associate Professor

Devendra S. Kalonia, Ph.D.
Associate Professor

Ronald O. Langner, Ph.D.
Professor

Alexandros Makriyannis, Ph.D.
Professor

José Manautou, Ph.D.
Associate Professor

John B. Morris, Ph.D.
Department Head and Professor

Charles Nightingale, Ph.D.
Research Professor

Spyros Nikas, Ph.D.
Assistant Research Professor

Spiro Pavlopoulos, Ph.D.
Assistant Professor

Michael Pikal, Ph.D.
Professor

Ganesh Thakur, Ph.D.
Assistant Research Professor

Pictured Above: Department of Pharmacy Practice faculty members
Craig Coleman, Philip Hritcko and Michael Gerald at the May
2004 Commencement ceremony.

For more information about the School of Pharmacy, visit our website at: www.pharmacy.uconn.edu



Dear Friends:

I am pleased to submit my third annual report as Dean of the School of Pharmacy. The 2003-2004 academic year was one to “celebrate.” Let me share with you some of the year’s highlights:

In June, during a joint news conference on the Storrs campus, Pfizer and the School of Pharmacy celebrated the establishment of the Pfizer Distinguished Chair in Pharmaceutical Technology. This \$2 million gift, which is match-eligible from the State (\$1 million), represents the largest gift ever given to the School and only the fourth Distinguished Chair at the University of Connecticut. It is also only the third Chair ever given by Pfizer in the United States (the others are at Duke and Stanford).

We celebrated the half-way point in the construction of the new Pharmacy/Biology Building, which is slightly ahead of schedule for a spring 2005 completion. We plan to combine the building dedication, annual pharmacy alumni banquet, and 80th anniversary celebration of the School into a festive weekend tentatively scheduled for Friday-Saturday, October 21-22, 2005.

The Office of Experiential Education welcomed a new leader, Dr. Philip Hritcko, as Director and celebrated the promotion of long-time staff member Mary Ann Phaneuf to the position of Assistant Director of Continuing Education and Experiential Education. The staff of the Office of Experiential Education completed work on implementation of the Pharmacy Education Management System (PEMS). PEMS not only assigns students to sites electronically, but also allows student, preceptor, and site evaluations to be completed on-line. The staff also began work on an e-portfolio pilot project, which will allow for the development of a student portfolio of work that can move with the student from rotation to rotation as they complete their advanced practice experiences.

The School celebrated the careers of two beloved emeritus faculty, Drs. Philip Rosenberg and Steven Cohen,

by establishing the Rosenberg/Cohen Fellowships in Pharmacology/Toxicology.

We celebrated the formation of the Connecticut Pharmacy Leadership Group. This group, representing the various pharmacy organizations in the state, will attempt to foster communication and cooperation on the many public policy issues facing the profession.

Drs. Neil Facchinetti and Jennifer James celebrated the availability of new, state-of-art recording equipment to assess and provide feedback to students engaged in patient counseling activities. The new system allows adjunct faculty to view and evaluate students on-line from remote locations.

We celebrated May Commencement with our Annual Hooding Ceremony and Brunch. School of Pharmacy Teacher of the Year, Dr. C. Michael White, delivered a lighthearted address as the keynote speaker, and Dr. Ronald Langner was selected as the first recipient of the Faculty Service Award for his work as Chair of the School Building Committee.

The Professionalism Task Force, under the leadership of Dr. Gerry Gianutsos, made a series of preliminary recommendations, which will allow us to nurture and celebrate professional attitudes and behaviors by our students.

We celebrated the work of the School of Pharmacy Advisory Board, which continues to be active in all aspects of School life. During both its October and April meetings, it broke into working groups to explore several important issues facing the School including entrepreneurship, experiential education, curricular reform, and technology needs.

We celebrated the establishment of a partnership between the School of Pharmacy and the New Haven Public Schools to increase the number of under-represented minorities in pharmacy. We hope to receive both chain pharmacy and pharmaceutical industry support for this initiative.

We celebrated the accomplishments of Banu Zolnik, a graduate student working with Dr. Diane Burgess, one of only four students from schools of pharmacy nationwide

selected as a 2004-2005 USP Fellow.

We celebrated the establishment of the Hewitt Scholar in Residence Program. This program, funded from an endowment established by the 3rd Dean of the School of Pharmacy, Harold Hewitt, will bring one to two nationally-recognized scholars to campus each year for an intensive period of scholarly exchange with faculty members, post-docs, graduate students, residents, and fellows.

Fund-raising for the *School of Pharmacy Endowment for the 21st Century* continues to go exceptionally well. We celebrated a year in which over \$3.2 million was raised, highlighted by the Pfizer chair and gifts from Advisory Board Chair Joe Papa and a pledge from Boehringer Ingelheim of \$250,000, at the time the largest gift in the School's history, to name the Dosage Forms Teaching Laboratory. We also celebrated our first "snow bird" reception this past February in Florida hosted by Bud and Brenda Roth.

We bid a fond farewell to and celebrated the accomplishments of Dr. Alex Makriyannis, after

more than thirty years as one of the University's and world's pre-eminent medicinal chemistry researchers.

Quite a year! On behalf of all of us in the School of Pharmacy, I extend my heartfelt appreciation for your unwavering support. The new year is certain to provide us with many more reasons to celebrate!

With warm regards,



Robert L. McCarthy, Ph.D.
Dean and Professor

Alumni Association News



President's Message Jennifer Osowiecki '85, '94

We will keep you posted on news of these events as they develop.

Speaking of banquets and awards, the association had a very successful banquet on May 1, 2004, where Distinguished Alumni Awards were presented to Richard T. Carbray, Jr. '75, Stanley L. Hem '66 and Galen W. Radebaugh '80; Honorary Alumnus Awards were presented to Peter Farina and Richard W. Foote; and the first ever Distinguished Emeritus Faculty Award was presented to Henry A. Palmer. Congratulations to all of the recipients, and thanks to all who attended.

We are looking forward to an exciting year. We hope that you are too.



Are you a member of the fiftieth reunion class of 1955, the twenty-fifth reunion class of 1980, or the classes of 1945, 1965, 1975, 1985 or 1995?

Watch your mail for information about the reunion banquet. You won't want to miss the 2005 reunion and awards banquet!

Nostalgic alums take note! With the new academic year under way, this will be the last year since the program moved to the Storrs campus, that the School of Pharmacy will be in the building located on Fairfield Road next to the Student Union. If you want to take a (literal) walk down memory lane, be sure to get up to campus sometime this year. The school as you knew it will soon be gone.

The notice you have just received means, of course, that construction on the new building remains on schedule. Plans for its dedication next fall are in progress and, in connection with the new building, the alumni association has approved a special donation to the school for a "Wall of Fame" honoring recipients of distinguished alumni awards from the most recent ten years. We are also considering moving the annual banquet and awards ceremony from its customary May date to the Fall so that the festivities will coincide with the new building's dedication ceremony.

From the Executive Secretary ~ Daniel C. Leone '53

With the support of Dean Robert McCarthy, your School of Pharmacy Alumni Association held a very successful reunion and awards banquet in May 2004. If you did not attend, you really missed an enjoyable evening. We are now working on the 2005 event, which as President Osowiecki has noted, may be moved to October 2005 to coincide with the dedication of the new school building. We are seeking nominations for the Distinguished Alumni and Honorary Alumni awards. If you would like to nominate an alumnus/a who has distinguished him/herself in the profession, please send the nomination, with as much background information as you may have, to me.

Have you looked at the School's website lately? There have been some nice improvements. Visit us at pharmacy.uconn.edu for the latest information about the school. Click on Alumni to find the last newsletter, alumni association information, and pictures from the 2004 banquet. The alumni section also contains an e-mail list of alumni who have authorized publication. If you would like

to be included in this list, provide your name, class year, address, telephone number and e-mail address to me at daniel.leone@uconn.edu. Only your name, city and e-mail address will be listed. If you have any suggestions for improvements in the alumni section, please e-mail those comments to me also.

A highlight of the association's annual meeting held in conjunction with the annual banquet was a vote to donate \$35,000 to the school for the naming of the Alumni Wall of Fame. This donation will be matched by the State of Connecticut on a one for two basis making the total donation \$52,500. When completed, the wall will honor those alumni who have been named Distinguished Alumni. Interest from the donation will be available to the Dean for maintenance of the wall or other needs. Through your support of the association by paying annual dues and becoming life members, you have made this donation possible. Thank you.

Finally, there are two reminders. First, you can support the association by signing up for the SBC

Community Connections Program. If you already use or sign up for the SBC All Distance calling program, SBC will donate 5% of your monthly long distance billing to the association. Call SBC at [800] 635-7638 to enroll in the program. Be sure to indicate that the group ID number is 2346 and the group is the University of Connecticut Pharmacy Alumni Association, Storrs CT. Second, please use the *What's New With You?* form to tell us about changes of address, name changes, and/or information about happenings in your life that we can publish in the Alumni Update column. You can also e-mail me the information if it is more convenient. We want to hear from you.

While our school has always had an excellent reputation for providing a quality education and conducting quality research, the administration of the University and the School are moving rapidly to make it one of the top schools in the country. You can help by supporting the pharmacy alumni association and contributing to the school's development fund.

Alumni Update

Richard S. Bromberg '60 announces that Pierce Pharmacy, Hartford, CT, established in 1886, has closed after 40 years under his ownership. He is currently employed by its purchaser, CVS Pharmacy.

Laurence D. Runsdorf '61 has joined his classmates, Buddy Roth and Sam Kalmanowitz, by making a \$100,000 gift to the School. His gift will name the Dean's Conference Room.

Diana F. Thompson '66 is disabled, but now working actively on drug patent/license.

Jeffrey D. Urman '67 is Physician-in-Charge at Kaiser Permanente, Mountain View, CA and is Professor of Medicine at Stanford University. He and his wife of 34 years have two sons and live in Palo Alto, CA.

Ralph M. Stanzione '72 sold his pharmacy in October 2002 to an independent owner and is an Associate at Sterling Capital Partners. His wife, Diana, has taken a leadership role in saving the pharmacy medicinal drug garden, which will be

moved to the new school location. She is seeking volunteers to help with this effort.

Peter Tyczkowski '78 received the 2004 Professional Pharmacy Personnel Performance Award at the annual Connecticut Pharmacists Association meeting. He was also installed as 1st Vice-President of the association.

Joyce Kamanitz '83 has been in the private practice of Psychiatry in Hartford, CT since 1992, specializing in psychopharmacology and gender issues in psychiatry. She reports that her pharmacy education has been a great help in her daily practice. She notes that her father owned a pharmacy in Maryland for over 50 years and that her sister is a practicing pharmacist in New Jersey. She sends regards to all her classmates and a special hello to Ed Martucci who was her externship preceptor at Kazarian's Pharmacy in Hartford, CT.

Stephen J. Sand '85 is Senior Counsel, Office of the General Counsel at Purdue Pharmaceuticals in Stamford, CT.

Charles A. Ritrovato '85 has been promoted to Senior Vice President, Drug Development and Regulatory Affairs at Neurogen Corporation in Branford, CT.

Leslie (Aroh) Raycraft '88 and her husband, Joseph, announce the birth of twin boys, Hayden James and Cole Grant.

Wendy (McKaige) Brackett '91 is a Senior Scientist at Procter and Gamble in Cincinnati, OH.

Tracy (Spruill) Bourbeau '93 was married to Mark Bourbeau on December 13, 2003. She is employed at Hannaford Pharmacy in Concord, NH.

Michelle (Koe) Page '94 was installed as President of the Connecticut Pharmacists Association at the annual meeting in June 2004.

Domenic Sammarco '97 (Hon.) has been awarded the 2004 Wyeth Bowl of Hygeia by the

Connecticut Pharmacists Association for his service to the community.

Lisa (Rosenberg) Banks '98 and her husband, Dave, also a UConn graduate, announce the birth of their first son, Hayden Matthew, on January 6, 2004 weighing 6 lbs. 15 oz.

Valerie (Castellani) Sheehan '98 was married to her husband, John, in October 2002. She is enjoying her job as Clinical Pharmacist, Drug Information at the Baylor University Medical Center in Dallas, TX. She appreciated receiving the newsletter and can't wait to visit UConn and see the new School of Pharmacy building.

Christopher Lopez '01 received the 2004 Pharmacists Mutual Distinguished Young Pharmacist Award at the Connecticut Pharmacists Association annual meeting.

OFFICERS 2003-2005

President
Jennifer Osowiecki '85
Vice-President
Michael Moore '94
Secretary
Jacqueline Murphy '78
Treasurer
Austin Bebyn '86
Executive Secretary
Daniel C. Leone '53

BOARD OF DIRECTORS

TERM EXPIRES MAY 2007

Martha Asarisi '81
Jennifer Clayman '04
Joyce Comer '75
Margherita Giuliano '75
V. Michael Guertin '66
Ellen Konspore '79
Donald K. Zettervall '79

TERM EXPIRES MAY 2006

Robert Dana '63
Sherman R. Gershman '51
Keith Lyke '92
Edward Sklanka '74
Peter Tyczkowski '78
Elliot Tertes '62
Christopher Weimer '94

TERM EXPIRES MAY 2005

Edgar Albuja '93
Richard Bromberg '60
John Capuano '73
Thomas M. Corazzo '72
Mary Ryan Norbut '92
William Ward '66
Kathleen Wozniak '92

STUDENT REPRESENTATIVES

Ellen Kozikowski '05
Sarah McCabe '06

Alumni Awardees



First Row: Distinguished Alumnus Richard T. Carbray, Jr. '75 B.S., Owner, Apex Pharmacy, Hamden, CT; Pharmacy Alumni Association President Jennifer Osowiecki '85; Distinguished Emeritus Professor Henry A. Palmer '60, '64; School of Pharmacy Dean Robert L. McCarthy.

Second Row: Honorary Alumnus Peter R. Farina, Vice President Development, Boehringer Ingelheim Pharmaceutical, Inc.; Distinguished Alumnus Stanley L. Hem '65 Ph.D., Professor of Physical Pharmacy, Purdue University; Distinguished Alumnus Galen Radebaugh '78 Ph.D., Vice President Analytical Development, Schering-Plough Research Institute; Honorary Alumnus Richard W. Foote, Owner, ABP/Pharmex Company.

Honored as Distinguished Alumni were Richard T. Carbray Jr., representing pharmacy practice, Dr. Stanley L. Hem, representing academia and Dr. Galen W. Radebaugh, representing the pharmaceutical industry. Dr. Henry A. Palmer, Emeritus Faculty member of the School, was named as the first recipient of the Distinguished Emeritus Faculty Award presented by the Pharmacy Alumni Association. Dr. Peter Farina and Richard W. Foote were named as Honorary Pharmacy Alumni Association members. These awards are given to non-UConn School of Pharmacy graduates who have made an outstanding contribution to the School or the profession.

Richard T. Carbray Jr. **Pharmacy Practice**

Pharmacist Carbray is a 1975 graduate of the School earning a B.S. Pharmacy degree. He began his career in community pharmacy working at McNeil's Pharmacy in Cromwell, CT and, then, Ferndale Drug in Kensington, CT. From 1983-1985, he was a professional sales representative for Schering Laboratories. In 1985, he returned to community

pharmacy as Vice-President of Pelton's Pharmacy and Home Health Center in Middletown, CT. In 2003, he purchased Apex Pharmacy and Home Health Center in Hamden, CT. He has been active in professional and public affairs. He is a past President of the UConn Pharmacy Alumni Association and the Connecticut Pharmacists Association. He is presently the Vice-President of the UConn Alumni Association. His involvement in the community is extensive, serving on the Newington, CT Town Council since 1997 and as its majority leader since 2001. He is a past member of the Wethersfield Chamber of Commerce Board of Directors, the Wethersfield Visiting Nurses Association, the Middletown Visiting Nurses DUR Committee and several other organizations. He is a past member of the Newington Democratic Town Committee. Among the awards he has received are Irish Person of the Year 2000, A. H. Robins Bowl of Hygeia for community service 1996 and Connecticut Pharmacist Association Pharmacist of the Year in 1998.

Dr. Stanley L. Hem **Academia**

Dr. Hem received his B.S. in Pharmacy from Rutgers University in 1961 and his Ph.D. in Pharmaceutics from the University of Connecticut in 1965. After serving as a Senior Research Pharmacist in research and development at Wyeth Laboratories, he took a position as Assistant Professor of Physical Pharmacy at Purdue University in 1969. In 1976, he became Professor of Physical Pharmacy. He has served as Assistant Dean, Graduate School 1980-1983, and Chairman of the University Senate. He was a member of the USP Revisions Committee from 1995-2000. He holds numerous patents and serves as a consultant to several pharmaceutical companies. Among the awards he has received are the American Association of Pharmaceutical Sciences Research Achievement Award 1993, AACP Outstanding Teacher Recognition Award 2002, Henry Heine Award for Excellence in Teaching and the Outstanding Research Publication Award, from the Journal of Pharmaceutical

Sciences 1970. He has served as a major advisor for dozens of pre- and post-doctoral students.

Dr. Galen W. Radebaugh **Pharmaceutical Industry**

Dr. Radebaugh received his B.S. in Pharmacy from the University of Michigan College of Pharmacy in 1972 and his Ph.D. in Pharmaceutics from the University of Connecticut in 1978. In 1981, he joined Smith Kline Beckman Corporation as Associate Senior Investigator, Formulations and in 1982 became Senior Investigator and Supervisor. In 1983, he joined the Johnson and Johnson Corporation as Group Leader, Drug Delivery and Exploratory Research. From 1993 to 1999, he held various positions with the Parke-Davis Company in pharmaceutical research. Since 1999, he has been Vice President, Analytical Development at the Schering-Plough Research Institute where, among other duties, he is responsible for about 300 professionals in the U.S. and Switzerland, and leads the Specifications Development Committee for all products in

development worldwide. He was elected a Fellow of the American Association of Pharmaceutical Scientists in 1997, received the AAPS-BIOTEC award for best applied R&D poster (co-awardee) 1993 and the J&J Philip B. Hoffman Research Scientist award 1987. He has held chairmanships and memberships on many professional committees. He holds fourteen primary patents, has written several books and book chapters, many journal articles, and has made many presentations to pharmaceutical professionals.

Dr. Henry A. Palmer **Distinguished Emeritus** **Faculty Award**

Dr. Palmer is a former Clinical Professor and Associate Dean for Professional Affairs at the School. He received his B.S. Pharmacy degree from the Albany College of Pharmacy and his M.S., in 1960, and Ph.D., in 1964, from the University of Connecticut. He joined the faculty in 1958 as a graduate teaching assistant. He rose to the rank of Clinical Professor in 1981, was named Assistant Dean in 1979 and Associate Dean in 1985. He has

had a distinguished career as a teacher and has been recognized by his students and the University as an outstanding teacher. Dr. Palmer has been active in state and national pharmacy associations and has been awarded the A. H. Robins Bowl of Hygeia for community service, the Sidney A. Rome Award and the Paul Pierpaoli Award of the Connecticut Society of Health System Pharmacists. He is a Past President of the Connecticut Pharmacists Association.

Dr. Peter Farina **Honorary Pharmacy** **Alumni Association**

Dr. Farina is Vice President, Development for Boehringer Ingelheim Pharmaceuticals, Inc. He began his career at BI in 1980 and has held various positions in the company. He received his B.S. in 1967 from Hofstra University and his Ph.D. from SUNY College at Buffalo in organic chemistry in 1971. He is member of the School's Advisory Committee and has been instrumental in obtaining BI support for research fellowships at the School and support for the

Center of Pharmaceutical Processing. He also is responsible for obtaining a \$250,000 pledge to name the dosage form laboratory suite.

Richard W. Foote **Honorary Pharmacy** **Alumni Association**

Mr. Foote was a pioneer in enhancing the provision of pharmacist care. He created the first patented multiple warning label dispenser, the first copyrighted warning label message with quick identity graphic icons and the first industry-wide accepted drug chart which directly linked the drug to specific warning label messages. Over the years, the company has expanded its products to provide laser printed patient information sheets and other products to enhance the ability of the pharmacist to provide information to the patient.

Honoring Philip Rosenberg and Steven Cohen



Dozens of alumni and friends of the Pharmacology/Toxicology Graduate Program returned to campus on May 19, 2004 for a celebration commemorating the distinguished careers of Drs. Philip Rosenberg and Steven Cohen. The Rosenberg/Cohen Symposium recognized the achievements and contributions of these two former faculty members of the School of Pharmacy and the many students whose lives they touched along the way.

During his 29-year career at UConn, Dr. Rosenberg served as Head of the Pharmacology and Toxicology Program. He also helped create the interdisciplinary Neurosciences concentration in 1982. In 1994, he became the first Head of the Department of Pharmaceutical Sciences, a position he held until his retirement in 1997. In addition to his outstanding leadership, Dr. Rosenberg is renowned for his accomplishments in pharmacological research.

He received the Javits Neuroscience Investigator Award from the National Institutes of Health in 1987, the Distinguished Alumnus Award from Jefferson Medical College in 1989, and the University of Connecticut Alumni Association Award for Research Excellence in 1990.

Dr. Steven Cohen is another luminary in the School of Pharmacy. After joining the University of Connecticut in 1972, Dr. Cohen founded the Toxicology Program and the Center for Biochemical Toxicology, serving as director for both until 2000. Since 1972, Dr. Cohen has received approximately \$5.5 million to fund his toxicology research and training programs, including the renowned NIH Environmental Toxicology Training Grant. His research group was given three "Best Publication of the Year" awards from the Society of Toxicology. In 1997, he also received the University of Connecticut Alumni Association Faculty Excellence Award in Scientific Research. He left the University in 2000, and is now the Chair of the Department of Pharmaceutical Sciences at the Massachusetts College of Pharmacy and Health Sciences - Worcester.

The symposium celebrating these two distinguished scholars began with featured speaker Karl A. Nieforth, who served as the Dean of the School of Pharmacy from 1981-1993. This was followed by presentations from alumni Drs. Cecelia Giambalvo, Jeff Fletcher, Marion Ehrich, and Phil Bartholomew. Distinguished researchers in their own right, these scientists and former students of Drs. Rosenberg and Cohen, spoke of their experiences and of how the inspiration and counsel they received help shape their careers.

At the conclusion of the ceremony, Dean McCarthy announced the establishment of the Philip Rosenberg and Steven D. Cohen Graduate Fellowship in Pharmacology/Toxicology. This annual award will be given to an outstanding graduate student in the Pharmacology/Toxicology Ph.D. program who is involved in rigorous research and scholarly productivity.

Philip Rosenberg, with wife Sybil, [pictured at left] and Steven Cohen, with wife Elaine, [pictured below] at the Rosenberg-Cohen Symposium on May 19, 2004.



Pharmacy Leaders Convene

In May 2003, Dean Robert McCarthy, consistent with the School's central role in facilitating public policy discourse, convened a group composed of Connecticut's leaders in pharmacy. The invitees agreed that this effort would be a forum for developing policy ideas and gathering information for the participants to take back to their respective constituencies.

From this initial meeting, the Connecticut Pharmacy Leadership Group (CPLG) was born. The group will meet several times a year to discuss issues of mutual interest and to identify and promote areas of common ground. The organizations currently represented in the CPLG include the School of Pharmacy, the School of Pharmacy Alumni Association, the Connecticut Pharmacists Association, the Connecticut Chapter of the American Society of Consultant Pharmacists, the Connecticut Society of Health-System Pharmacists, and the Long-Term Care Pharmacists Association. Invitations have also been extended to the Connecticut Commission of Pharmacy and the Connecticut Association of Chain Drug Stores.

The mission of the CPLG is to facilitate communication and collaboration on major public policy issues to achieve legislative goals that optimize medication use through pharmacist care. The CPLG is currently focused on topics such as collaborative practice, reimbursement for pharmacy services, pharmacy technicians, the role of pharmacists in public health, drug distribution, automation, and emergency preparedness.

A pharmacy summit, focusing on patient safety and the pharmacist's role, is planned for the 2004-2005 academic year. Leaders from the State of Connecticut's executive and legislative branches, as well as related government agencies, will be invited to participate.

What's New With You?

We want to hear from you! Please use this form to tell us about address changes, personal and professional honors, or everyday events that we can use for the Alumni Update column. Mail To: University of Connecticut, School of Pharmacy Alumni Association, 372 Fairfield Road, Unit 2092 ~ Storrs, Connecticut 06269-2092, or e-mail us at: daniel.leone@uconn.edu

Mr. Mrs. Ms. Other _____

Name: _____ Class Year: _____
Maiden/Former Name: _____ Spouse Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Home Phone: () _____ Work Phone: () _____
E-Mail Address: _____
Employer/Business Name: _____
Title: _____
Business Address: _____
City: _____ State: _____ Zip: _____
News: _____

Alumni Association Life Members

Welcome to the following alumni joining as Life Members in 2004.

Selima Begum, Ph.D., '82
Daniel D. Crosby, B.S., '88
Thomas J. D'Amato B.S., '57
Michael D. Greaves, B.S., '77
Erin Halfpenny, B.S., '98
Colleen Higgins, B.S., '98
George F. Kirkpatrick Jr., B.S. '71
Michael Lamson, Ph.D., '97
Keith Lyke, B.S., '92
Francesco Marini, B.S., '97
Amy Martin, B.S., '96
Bruce T. Moore, B.S., '75
John A. Ohlund, B.S., '76
Capt. Daniel Raboin, Pharm.D., '02
David L. Rosen, B.S., '78
Jill Nicholson Sackett, B.S., '81
Edward J Sklanka, B.S., '74
Kathleen M. Snow, B.S., '78
Mohammed Yusuf, M.S., '76

In Memoriam

Ronald L. Jacoby PhD '71
September 30, 2002
Arthur Zucker '65
April 6, 2003
James J. Agro '61
December 25, 2003
Thomas J. Macura '71
March 15, 2004
John H. Sullivan '53
March 26, 2004
John W. Harold '79
July 18, 2004
Pamela A. (Peck) Chambers '93
September 8, 2004
Theodore V. Stawicki, Jr. '70
September 29, 2004

New Scholarship Endowments

James M. Faucette
Memorial Scholarship

Jerry and Babs Weitzman
Memorial Scholarship

John L. O'Brien
Memorial Endowed
Scholarship Fund

Greater Bridgeport
Pharmaceutical Association, Inc.
Scholarship Fund

Karl A. and Joan C. Nieforth
Pharmacy Student Scholarship

Angelo DeFazio
Endowed Scholarship Fund

Joseph C. Papa, Sr.
Endowed Scholarship Fund

Department of Pharmaceutical
Sciences Graduate Award

Campaign UConn, the six-year \$300 million private fund-raising effort to support the people and programs of the University, concluded successfully on June 30, 2004 with a total of \$471.1 million in new gifts and commitments. As part of the Campaign, the School of Pharmacy raised \$6.23 million through its *Building a Future for Pharmacy Together* endeavor, exceeding the \$5 million goal by 25%. Of this amount, nearly \$2.2 million was raised for faculty support, \$900,000 for student support, and \$3.1 million for program support.

Moreover, in the final year of the Campaign, commitments skyrocketed from \$400,000 in 2001 to \$3.15 million in 2004, or fully half of the \$6.23 million total. As a result of the Campaign the School's total endowment now stands at \$4.2 million.

The Campaign's success has led to the establishment of 12 new endowment funds to benefit students, faculty, and programs within the School. In addition to the Pfizer Distinguished Chair, the Marlene L. Cohen and Jerome H. Fleisch Fund in Pharmaceutical Sciences was

created to support faculty in that department. The Dean's Advancement Fund for the School of Pharmacy and the School of Pharmacy Endowment for the 21st Century are two newly created endowments for program enhancements. In addition, eight, new, endowed scholarships were funded by generous alumni and other donors [see inset].

Dean Robert McCarthy summed up the School's fund-raising success, "Private support has transformed the School of Pharmacy and opened many eyes to the quality of our institution nationally. The overall impact of the gifts we received will also enable us to complete a number of strategic objectives as we plan for 2005 and beyond. We're exceedingly grateful to everyone who stepped forward to express faith in the work we are doing."

Deborah Faucette '80, vice chair of the School of Pharmacy Advisory Board, who established a scholarship endowment in her brother's name, talked about the impact of the Campaign and the importance of giving something

back to UConn. "No matter where our profession has taken us, all alumni are proud to say we are graduates of the UConn School of Pharmacy. Providing a gift to the School to benefit others serves as a great vehicle to celebrate that pride and honor loved ones."

Under the School of Pharmacy Endowment for the 21st Century, \$1.2 million has been donated for 25 of the named spaces in the School's new home, slated to open in the fall of 2005.

Private support continues to be a critical component of the School of Pharmacy's goal of becoming a Top 10, nationally recognized institution. For more information about supporting scholarships, faculty research, and programs in the School, contact Brian Lachapelle, Director of Development at 800-269-9965 or blachapelle@foundation.uconn.edu.

\$1,000,000 and up

Pfizer, Inc.

\$200,000 to \$999,999

Boehringer Ingelheim
Pharmaceuticals, Inc.
Samuel S. '61 and Virginia S.
Kalmanowitz
Dave '61 and Brenda M. '61 Roth

\$100,000 to \$199,999

Neil Alan and Franciene-Alexa
Lehmann '89
Breckenridge Pharmaceutical, Inc.
CVS Corporation
William M. '65 and Sharon Hait
Johnson & Johnson
Laurence D. Runsdorf '61
Joseph A. Morosko '52*
Joseph '78 and Nancy Papa

\$50,000 to \$99,999

UConn School of Pharmacy
Alumni Association
Arthritis Foundation, Inc.
Baxter Health Care Corporation
Angelo DeFazio '85
Dow Chemical Company
Jerome H. Fleisch and Marlene L.
Cohen '68
Genzyme Corp.
Gerald N. '60 and Petrina Koblin
Lavipharm Laboratories, Inc.
Robert Leet & Clara Guthrie
Patterson Trust
Eli Lilly & Co.
Mark M. '63* and Ruth* Luckens
Ortho-McNeil Pharmaceutical
Yvette Pergola
Monty Schwartz '66
Edward N. '49 and Evelyn Silver
Walgreen Company

Charles Lewis Beach Society

*“Tell me and I’ll forget.
Show me and I’ll remember.
Involve me and I’ll
understand.”*

A favorite quote of Harry Swatsburg.



Married 62 years, Harry and Selma Swatsburg want to repay “the good that has come to them.” Both were born in the heart of the depression and grew up next door to each other in Norwich, CT. The couple married during WWII when Harry was on furlough. It was during his service as an Air Force Pharmacy Technician that he decided to pursue a career in pharmacy after the war. In 1950, the couple opened the Uncas Pharmacy in Taftville, CT. “We built our business by reserving copies of the Sunday newspaper for our customers,” says Harry. This commitment to service pervades their lives. Harry helped to establish the first pre-school program in Norwich, CT, sat on the pension board for the town, and is committed to helping students through the establishment of a scholarship fund. The couple are members of the Charles Lewis Beach Society.

\$25,000 to \$49,999

American Chemistry Council
American Federation for Aging
Research, Inc.
Deborah J. Faucette ‘80
Andy and Mary O. Galardi
Greater Bridgeport Pharmaceutical
Association of Connecticut, Inc.
Juvenile Diabetes Foundation
Merck & Co., Inc.
Edward* and Edith* Mogull
Peter ‘55 and Jeannette T. Scianna
Styrene Information and Research
Center

\$2,500 to \$24,999

Bayer Corp.
Maurice ‘57 and Mary Beaulac
David ‘67 ‘71 and Nancy ‘67 Blois
Brooks Pharmacy
John A. Capuano ‘73 ‘02
Richard T. Carbray, Jr. ‘75 and
Patricia A. Carbray
Jennifer S. Chase ‘91
Connecticut Pharmacists
Association
CVS Corporation
Designwrite Incorporated
Stephen ‘72 and Sharon ‘72 Enright
Jacqueline M. Murphy ‘78 and
Brian S. Gordon
Margherita Guiliano ‘75
Barbara Haber ‘59
Hannaford Brothers Co.
Cynthia E. Huges ‘75
Joyce F. Jackson
John A. Kiszkiel II ‘75
Daniel ‘53 and Maryanne ‘59 Leone
Maxi Drug South, LP
Robert L. and Maureen McCarthy
Gordon ‘52 and Rita ‘52 McGuire
NCS Healthcare of Ohio
Stuart D. ‘70 and Sharon Neiss
Karl A. and Joan C. Nieforth
William E. and Carol L. Oliver

Anthony S. Ozga*
Henry ‘60 ‘65 and Janice Palmer
Joseph ‘73 ‘81 and Lorraine Palo
Michael J. and Janice L. Pikal
Robert ‘66 and Joyce ‘66 Pinco
PricewaterhouseCoopers
Foundation
The Procter & Gamble Company
Rite Aid Corporation
Joseph L. Sewall ‘30*
The Stop & Shop Company
Patricia A. Toce ‘75 ‘93
Alan D. Traster ‘71
Lawrence V. Traster ‘75
Varro E. Tyler, Jr. ‘51 ‘53 ‘98H*
Virginia M. Tyler
Vinyl Acetate Toxicology Group,
Inc.

\$1,000 to \$2,499

Alliance Capital Management
Apex Pharmacy & Home Care
Center
Karen P. Arledge ‘65
AstraZeneca
Aventis Pharmaceuticals, Inc.
Bella Vista Pharmacy & Surgical
Supplies, Inc.
Joel S. and Robin H. Bogner
Peter and Lorraine ‘76 Buerhaus
Bristol Myers Squibb Company
Jane G. Burt
Cardinal Health
George H. Cocolas ‘52
Kenneth A. Connors ‘54
Anita P. Denly ‘66
Barbara H. Deptula ‘78
Eric ‘95 and Stefanie ‘97 Ferreri
Gregory G. Gawlick ‘73
Charles J. Grannick ‘66
Mark Hirsch and Jane Hirsh ‘65
Hayden O. Houston, Jr. ‘72
International Business Machines
Corp.
James A. Langone ‘72 and
Theresa M. Guiribitey

The **Charles Lewis Beach Society** honors the many individuals that support the University through **will, trust, retirement plan and life insurance gifts**. The Society also honors donors who make gifts that will **enhance their or a loved one’s financial position**, and ultimately support the School of Pharmacy’s initiatives.



A teacher and researcher in dairy production, Charles Lewis Beach was asked to husband the resources of the Connecticut Agriculture College in 1908. In 1933, President Beach established a fund through his will to honor the memory of his wife, Louise Crombie Beach, and provide **enduring support to the University**.

Please join Harry and Selma Swatsburg and the 700 members of the Charles Lewis Beach Society University-wide whose gifts ensure excellence for the future.

To advise the School of Pharmacy about your gift, or to request confidential information about will, trust, retirement, life insurance, or income-enhancing plans, please contact Peter McAvoy, JD at (800) 269-9965, or pmcavoy@foundation.uconn.edu.

Robert J. Lewandowski ‘71
Eli Lilly & Co.
Bruce S. and Loretta L. McCabe
McNeil Consumer & Special
Pharmaceutical
Merck & Co., Inc.
Alan J. ‘65 ‘68 and Nancy K. ‘67
‘77 Milbauer
James W. Munden ‘72
NACDS Foundation
Nicholas A. Olimpio ‘67
Olin Corporation
PAFPS, Inc.
Parkade Health Shoppe, Inc.

Erica Peitler ‘88
Princeton Partners, Inc.
Stephen M. Sanditz ‘75
Marie A. Smith ‘77
Harry ‘49 and Selma Swatsburg
Sergio F. Toni, Jr. ‘80 and
Christine Toni
Wayne L. Tomskey ‘67

*Deceased

Pfizer Gift Establishes Distinguished Endowed Chair in Pharmaceutical Technology

Pfizer Global Research and Development, the R&D division of Pfizer, Inc. and the world's largest private biomedical research organization, has made a \$2,000,000 gift to endow a distinguished chair in the School of Pharmacy. It is the largest single gift ever received by the School and its first endowed faculty position.

The academic appointment, which will focus on pharmaceutical technology in the department of Pharmaceutical Sciences, is one of just four distinguished

endowed chairs at the University. It will enable the School of Pharmacy to appoint a nationally recognized researcher, scholar and teacher who has made significant contributions to the field.

Pharmaceutical technology, the applied science for dosage form development, is built upon a foundation of the physical and engineering sciences. It addresses product development requirements for diverse medicinal agents, and also encompasses the physical and engineering sciences of

drug delivery by means of multiple routes, including oral and parenteral.

Professor Michael Pikal, a member of the Pharmaceutical Sciences faculty, says, "The Pfizer Distinguished Endowed Chair brings prestige and financial resources to the Pharmaceutical Technology program at UConn. This will insure continued excellence in the School of Pharmacy and allow expansion of the UConn program as well as collaborations between Pfizer and UConn. It will also

promote this critical R&D area throughout the rest of the country."

Pfizer, Inc. has previously endowed faculty positions at Stanford University and Duke University, but this is the first such gift by the company to a School of Pharmacy in the United States.

"Pharmaceutical sciences researchers play a key role in the discovery and development of new medicines for patients in need," notes Kelvin Cooper, head of Pfizer Global Research and Development's Pharmaceutical Sciences organization. "In today's competitive recruiting environment, Pfizer must attract the best and brightest scientists in order to find cures for diseases like Alzheimer's, cancer and diabetes. We are proud to partner with UConn's School of Pharmacy, and continue to look to their program as source of qualified researchers who will help us achieve our mission of doing more good for more people than any other company in the world."

Proceeds from the endowment will support the Pfizer Distinguished Chair in his or her academic activities, including pre- and post-doctoral graduate fellowships and a Pharmaceutical Technology Symposium.

"The establishment of the Pfizer Distinguished Endowed Chair in Pharmaceutical Technology is one of the most significant events in the nearly eighty-year history of the School of Pharmacy," says Dean Robert L. McCarthy. "Great schools and colleges of pharmacy are able to establish endowed chairs to attract the best teachers and scholars to their campus. Pfizer's gift will allow us to join this elite group of institutions. We are most grateful for their confidence in us."

The School will initiate a national search to identify candidates that is expected to conclude in spring 2005.

Pfizer representatives at the announcement of the Pfizer Distinguished Endowed Chair in Pharmaceutical Technology



Photos at Right: School of Pharmacy graduate students look on as Pfizer announces its gift on June 23, 2004 (Top); Professor Michael Pikal, Dr. Tim Hagan, Vice President of Science & Technology at Pfizer, and Dean Robert McCarthy (Bottom Left); Graduate Student, Sandra Goss, Kelvin Cooper, Senior VP for Worldwide Pharmaceutical Sciences at Pfizer, and UConn President Philip Austin celebrate the occasion (Bottom Right.)



The Pfizer Distinguished Endowed Chair will Support Research, Scholarship, and Teaching





Doctor of Pharmacy (Pharm.D.) Class of 2004

Sarah Alicea	Jason Jeffery
Amy Bachyrycz	Elizabeth Johnston
Ryan Bang	Angeliki Karapanos
Trinh Bu	Francis Kissi
Paul Bukowski	Agnes Krudysz
Annik Carrier	Rahul Kumar
Elizabeth Chase	Lynn Lamothe
XiaoLi (Sueli) Chen	Nicholas LaRiviere
Grace Chon	Micky Latina
Jennifer Clayman	Jennifer Lee
Bryan Cretella	Karen Lemons
Kelly Daigle	Haley Leone
Nancy Daigle	Erin Lewis
George delCampo	Paul Lukomski
Alicia Desilets	Allison May
Chau My Doan	Patrick McMahon
Carl Engmann	Yolanda Modzelewski
Bessem Enoch	Janell Morales
John Florentino	John Moyher
Charles Freeland	Michael Muldoon
Marlon Fuller	Sandra Narine
Kevin Gatland	Juliette Nguyen
Amanda Gilbert	Thientu Nguyen
Rosalba Gugliotti	Michael O'Keefe
Thomas Hite	Andrea Peary
Karen Hoang	Brian Pelletier
Idongesit Idiong	Karen Pickel
Alexandra Igooumenos	Grazyna Riebandt

Doctor of Pharmacy (continued)

Jeff Ryan
Zohra Salehi
Samuel Salling
Radhika Sane
Abishag Sarkodie
Matthew Sicotte
Michelle Silvay
Vinnita Sinha
John Skinnon
Sokhak So
Xiao Ying (Shannon) Song
Elizabeth St. Louis
Alec Theis
Arthur Tipton
Grace Tong
Ngoc-Bich Tran
Christine Tully
Efthimia Vasiliadis
Ryan Vasquez
Melissa Walczyk
David Wu
Christopher Zajac
Cynthia Mei Feng Zhang

Doctor of Philosophy Class of 2004

Liu-Quan Chang, Ph.D.
Linda Marie Chicoine, Ph.D.
George John Dimopoulos, Ph.D.
Jianxin Guo, Ph.D.
Chonghua Li, Ph.D.
Dadong Li, Ph.D.
Shailaja Rambhatla, Ph.D.
Vikas Kumar Sharma, Ph.D.
Xiaolin Tang, Ph.D.
Michael Scott Thibodeau, Ph.D.

Master of Science Class of 2004

Sarah Mowbray, M.S.

Pictures:
School of Pharmacy B.S. graduates at the May 2004 Commencement ceremony [Top Left]. Members of the Class of 1979 enjoy their reunion [Near Right]. Associate Professor, Robin Bogner, leads the Class of 2004 to Gampel Pavilion for the May 2004 Commencement [Far Right].



Bachelor of Science in Pharmacy Studies Class of 2004

Awadelkarim M. Ahmed
Nicholas J. Ambrosino
Kenneth A. Angle
Jeffrey K. Atkinson
Maria C. Augello
Marie M. Ayoub
Jill A. Barber
Sarabeth Baxter
David R. Bobeck
Danielle M. Boschetto
Tammy M. Brennan
Cheri A. Brisbois
Kelly A. Broad
Brandon E. Brodeur
Jeffrey M. Burgess
Gregory M. Burkman
Tiffany L. Castelli
Julie Yong Ju Chen
Tiffany K. Collins
Patrick F. Corbett
Amy N. Cordner
David L. Crosby
Danielle M. Desjardins
Heather A. Doig
Courtney J. Doyle
Ryan P. Duff
Wayne H. Eastman III
Keri L. Egan
Jennifer M. Fitch
Kathryn M. Foley
Carol B. Fox
Ryan C. Frost
Andy T. Fu
Rachel L. Galvan
Thomas W. Garbarini
Lukas D. Gilmore
Zoe Glaras
Nicole M. Guarrasi
Keith Hughes, Jr.
Lauren N. Ippolito
Douglas H. Jackens
Bekim Jashanica
Andrew R. Kovacs
Jill M. Lacasse
Olivia C. Lau
Annette M. Lipinski
Steven Luciano
S. Elizabeth Lucini
Laura B. Lucivero
Bryan S. Marinas
Sherry-ann R. Marshall
John M. McBride
Sarah M. McCabe
Derek J. McFerran
Nigjar Memeti
Amina M. Mohamed
Meghan E. Mons
D'Ana M. Montanez
Joseph R. Morasutti
Hsiao Yen A. Morrison
Sean M. Norton
Asamoah Oteng
Elizabeth C. Palillo
Lopa H. Pandya
Jignashu A. Parikh
Sarah K. Perrault
Gelson Pizarro
Christopher D. Plude
Chad E. Porterfield
Karlie A. Power
Michael A. Riveccio
Angelique M. Rovaldi
Lauren M. Russo
Arpan A. Shah
Katherine M. Shea
David S. Shepherd
Devon-Anne Sherwood
Kara L. Smith
Sokpoleak So
Robert A. Southard
Katherine M. Stafford
Adam C.T. Sullivan
David H. Tran
Wanchen Tsao
Stephanie A. Tsouvalas
Logan E. Vasina
William B. Whittaker
Peter T. Zoob





**Sarah McCabe, President
UConn Chapter APhA-ASP**

The pharmacy profession affords students many opportunities to network with colleagues and to gain hands on experience in the field to better prepare for successful careers. The University of Connecticut's American Pharmacists Association, Academy of Student Pharmacists (APhA-ASP) assists in providing many opportunities that enhance the pharmacy education of its members.

In March, the UConn Chapter APhA-ASP was thrilled to bring twenty-two of its members to attend the APhA Annual Meeting in Seattle, Washington; our second largest group to attend the Annual Meeting! Through the support of the Undergraduate Student

UConn Chapter APhA-ASP

Government (USG) at UConn, and our successful LL Bean fleece fund-raiser, the group covered all of the costs for the members to attend the meeting. These students were able to learn more about the profession of pharmacy by attending meetings and networking with future colleagues and employers. In addition to attending meetings, students actively campaigned for former APhA-ASP Chapter President, Rachel Sykes, as she ran for APhA-ASP National Member At Large. Although she was not elected to the position, she provided an excellent example to the Chapter's younger members to take on a leadership role.

The UConn APhA-ASP Chapter held *Operation Diabetes* at Rite Aid Pharmacy in Enfield, Connecticut to provide its members with practical, hands-on experience. During the clinic, students were able to interact with patients by taking their medical histories and blood pressure, explaining the results of glucose tests, and demonstrating how to properly use a glucose meter.

Members of our chapter continued to pursue learning opportunities during the summer months. This past June, for example, I was given the opportunity to attend the 53rd Annual University of Utah School on Alcoholism and Other Drug Dependencies in Salt Lake City, Utah. In July, the UConn APhA-ASP Chapter sent Kate Dziejcz, the Membership Vice President (MVP) to the APhA-ASP Summer Leadership Institute in Washington, DC. This experience helped to prepare Kate for her responsibilities as MVP, while helping her to fine-tune her leadership skills.

The Chapter also gratefully acknowledges Dean McCarthy and our Advisor, Dr. José Manautou, whose invaluable support has contributed to our success.



**Liz Palillo, First President
Pharmacy Student Government**

Change has become part of the daily routine as the University of Connecticut heads into the 21st century. The School of Pharmacy is no exception. With new faculty members, a new building in the upcoming months and, now, a new student organization, change is a welcome part of the pharmacy community.

A new student organization, the Pharmacy Student Government (PSG,) has been created with the help of Associate Dean Speranza and seven other students. A constitution was written and elections were implemented during the spring semester, which allowed the organization to function in time for the current academic year.

Pharmacy Student Government

The purpose of the organization is to unite the student body and to increase spirit and morale. Membership includes representatives from all of the other pharmacy student organizations, as well as members from each class. There are over 30 enthusiastic members, including newly elected PI students. The organization is fortunate to have dedicated P4 students commuting to meetings from their rotation sites.

Meetings are occurring on a regular basis and great things are being planned for the future. A major undertaking will be the School of Pharmacy Formal planned for April 2005. It will be an opportunity for students, faculty, and staff to spend time together outside the classroom enjoying dinner and dancing. Monthly spirit events, such as free coffee and muffins, are planned for each class. The goal is to build a strong organization that can lead our student body towards a future in pharmacy.



**Sandy Goss, President
UConn Student Chapter AAPS**

UConn Student Chapter AAPS

The University of Connecticut student chapter of the American Association of Pharmaceutical Scientists (AAPS) 2003-2004, continued to provide members with career advancement opportunities and insight into technical issues pertaining to the pharmaceutical field. The chapter also tried to instill a sense of community among the graduate students. The executive committee completed the construction of its website, www.pharmacy.uconn.edu/AAPS. The site is updated regularly to reflect new activities.

In the fall of 2003, the student chapter co-sponsored a luncheon with Dean Robert McCarthy to welcome all

incoming graduate students into the department. Our organization has been fortunate to always have the personal, as well as financial, support of Dr. McCarthy for AAPS student events.

Members from the National AAPS student affairs office joined us in spring 2004 and were very impressed with the participation of all student chapter members and our faculty advisor, Dr. Devendra Kalonia. We learned techniques to increase membership by reaching out to students in related fields such as chemistry and engineering, which also play an important role in pharmaceutical sciences. Later that spring, a speaker from Pfizer, Dr. Evgenyi Shalaev, presented a seminar entitled "The concept of 'structure' in amorphous solids from the perspective of the pharmaceutical sciences." This is an important topic related to many research projects within the department. The AAPS student chapter also hosted mock industrial interviews with Dr. Galen Radenbaugh from Schering-Plough Research

Institute in New Jersey to improve students' interviewing skills for positions in the pharmaceutical industry. In the future, we hope to further prepare ourselves for careers after graduate school and increase quality membership in which the School of Pharmacy can take pride.

Last year, the School of Pharmacy formed a partnership with the New Haven Public School System for the purpose of influencing minority students to pursue a career in pharmacy. The genesis of this program is due to the efforts of Dr. Marlon Fuller, a 2004 graduate of the School. Dr. Fuller is an African-American who is committed to serving as a role model for minority high school students from disadvantaged backgrounds.

The initial effort of the partnership consisted of conducting several high school assemblies in New Haven, CT. These programs exposed students to pharmacy as a career and provided information about how to prepare to study pharmacy at the University of Connecticut. Selected students visited the UConn campus and participated in a presentation in the School of Pharmacy that focused on the pre-pharmacy and professional academic programs, career opportunities in pharmacy, and University programs and services for minority students. Following the presentation, students toured the campus, visiting the Homer Babbidge Library, Gampel Pavilion, the UConn Co-op and a model dorm room. Students were

treated to lunch in the Northwest Dining Hall.

During the 2004-2005 academic year, Walgreens will join the partnership to help to develop a community pharmacy shadow program that will expose students to the daily activities of the community pharmacist. Once the community pharmacy shadow program is successfully implemented, it will be expanded to the hospital pharmacy setting. To reinforce these shadowing experiences, UConn pharmacy students will serve as mentors for students.

Future goals of the partnership include developing a work assistance program in cooperation with local community and hospital pharmacies and developing an educational support system at the University and School of Pharmacy that enhances minority students' ability to successfully complete the professional program.

Cooperative efforts and educational experiences, such as this program, enable the School of Pharmacy to provide the citizens of this state with pharmacists who are truly representative of the population served.



Dr. Andrea K. Hubbard
Co-chair Curriculum Committee

In the fall of 2002, Dean McCarthy charged the School of Pharmacy Curriculum Committee to “complete a zero-based review of the professional, Pharm.D., curriculum” and “recommended a revised curriculum be submitted to the faculty” for their approval. In the spring of 2003, the Curriculum Committee proposed and received faculty approval for new Curriculum Committee by-laws and also developed a new curriculum mission statement. The Curriculum Committee then drafted educational competencies and outcome expectations for our students.

In the fall of 2003, the Committee accepted the educational outcomes document that was subsequently presented to the School faculty and unanimously approved. The Curriculum Committee then began the process of mapping the current curriculum to meet these outcomes. From this map,



Dr. Sean Jeffery
Co-chair Curriculum Committee

the Curriculum Committee noted fluctuations in the emphasis of specific outcomes and in the sequence of certain courses. Foundational sciences, for example, are strongly emphasized in the P1 year and decline over the next three years. Drug information and pharmacotherapy gradually increase in emphasis over the P1-P4 years of the professional program. These findings led to changes in the program curriculum. The current immunology course, for example, will now include a biotechnology component and be placed in the P1 year as a foundational course. The Curriculum Committee also requested handouts and learning objectives from faculty with the intent of determining redundancies or gaps in the current curriculum.

In May 2004, the Curriculum Committee and the Assessment Committee met for a day-long retreat and drafted a new

curriculum with the following proposed changes:

- increasing flexibility in scheduling,
- adding anatomy & physiology as a prerequisite course,
- increasing professional electives from 12 to 15 credits
- integrating pharmacology, medicinal chemistry, non-prescription medication, clinical pharmacokinetics and therapeutics into organ-based modules,
- adding 16 credits of new course material to include clinical toxicology and a dermatology based module,
- adding a course in correlated pharmacy problem solving that is case based and stresses application of didactic material.

During the fall of 2004, several special “Faculty Town Hall Meetings” were scheduled to be held to discuss course content, credits and sequencing of the new proposed curriculum, as well as possible changes in the prerequisite courses. During this time, the Curriculum Committee will work closely with the Assessment Committee and analyze survey responses and input from students, alumni and preceptors.

Faculty approval of the new curriculum is targeted for the end of the 2004 calendar year.



Dr. Philip Hritcko
Director of Experiential Education

In spring 2004, the Office of Experiential Education at the University of Connecticut School of Pharmacy implemented an online rotation management system. The system, known as the Pharmacy Education Management System (PEMS), was created by ROI Solutions Group, Inc. to assist schools of pharmacy control their Advanced Practice Experience (APE) rotations for P4 students.

PEMS is a dynamic, highly customizable, rotation management software package with many unique features. Rotation management is the core of this system, but the system is flexible enough to accommodate changing requirements. Using PEMS, customized schedules are created, assigned, and modified to meet pharmacy students' educational needs.

This system has increased the efficiency of the Office of Experiential Education by reducing the time spent on scheduling and allowing an easy means of communication with preceptors and students. It also provides the added function of a data warehouse to compile and maintain student records and create and generate reports.

PEMS allows preceptors to view site rotation schedules, maintain a list of all students, enter evaluations, review attendance, send e-mail to students, and read announcements and messages while online. Students have the ability to research preceptors and rotation sites by viewing specific rotation course syllabi and travel directions to the sites through this system. The students also have the ability to complete online evaluations, view their evaluations, and receive messages and announcements.

These are just a few of the many features offered by this management system. The Office of Experiential Education plans to enhance and update the system as necessary to meet the needs of students, preceptors, and the School of Pharmacy.

Advisory Board

Michele Belsey
Vice President of College Relations &
Professional Recruitment
Rite Aid Corporation

Lydia J. Borysiuk
Chief of Pharmacy
VA Connecticut Healthcare System

Richard T. Carbray '75
Owner
Apex Pharmacy

Angelo DeFazio '85
President
Arrow Pharmacy

Joseph E. DeLucia '65
Executive Director
NCS Health Care

Peter Farina, Ph.D.
Vice President of Development
Boehringer Ingelheim Pharmaceuticals

Deborah Faucette '80, Vice Chair
Director of Pharmacy Operations
NACDS

Jean Paul Gagnon '63
Director of Public Policy
Sanofi-Aventis

Gregory Gousse '71
Director of Pharmacy
Hartford Hospital

Margherita Guiliano, '75
Executive Vice President
Connecticut Pharmacists Association

Tim Hagen, Ph.D.
Vice President of Pharmaceutical
Research and Development
Pfizer

C. Daniel Haron
Vice President of Pharmacy and
Professional Affairs
Brooks Pharmacy

Michael T. Heffernan, '87
Principal
Collegium Pharmaceutical

Samuel S. Kalmanowitz, '61

Lucinda L. Maine, Ph.D.
Executive Vice President
American Assoc. of Colleges of Pharmacy

Carlos R. Ortiz
Vice President and Director of
Government Relations
CVS

Joseph D. Palo, '73
Partner
Business Consulting Services
IBM Global Services

Joseph C. Papa '78, Chair
President and Chief Operating Officer
Watson Pharmaceuticals

Robert Pinco, J.D. '66
Senior Counsel
Buchanan & Ingersoll

Charlene Polino '81
President and Chief Executive Officer
Secure Source, Inc.

Elliott D. Tertes '62
Chairman, Board of Trustees
American Society Consultant Pharmacists,
Research and Education Foundation

Ex-Officio Members

Brian Lachapelle
University of Connecticut Foundation

Robert McCarthy, Ph.D.
Dean, School of Pharmacy

Faculty and Student Members

Robin Bogner, Ph.D.
Associate Professor

Dennis J. Chapron, '71
Associate Professor

Ronald Langner, Ph.D.
Professor

Kara Ulizio

Idongesit Idiong

New Faculty



Dr. Kevin Chamberlin

Kevin Chamberlin, Pharm. D., joined the University of Connecticut School of Pharmacy as an Assistant Clinical Professor of Internal Medicine and Geriatrics. An alumnus, Dr. Chamberlin began his career managing complex pharmacotherapy regimens as a Geriatric Pharmacy Specialty Resident at the VA Connecticut Healthcare System. He became a member of the American Society of Consultant Pharmacists, and is also an Editorial Assistant with the Geriatric Pharmacy Review. Dr. Chamberlin received the APHA Mortar and Pestle Professionalism Award in 2003.

Currently based at the UConn Health Center in Farmington, CT, Dr. Chamberlin's research interests are focused in geriatrics, particularly pain management, wound care, and drug-related problems within the elderly population.



Dr. Lauren Schlesselman

Lauren Schlesselman, Pharm.D., joined the University of Connecticut School of Pharmacy as an Assistant Clinical Professor of Pharmacy Practice. An alumna, Dr. Schlesselman obtained her Doctorate of Pharmacy at the University of Georgia in 1998. After completing a specialty residency in Adult Internal Medicine in Gainesville, FL, she returned to Georgia, where she was named "Young Pharmacist of the Year" by the Georgia Society of Health-System Pharmacists.

Dr. Schlesselman is also a freelance writer for several medical journals, including DiPiro's *Pharmacotherapy*, the *Encyclopedia of Clinical Pharmacy*, and a monthly column in the *Pharmacy Times*. She has been published and reviewed for various pharmacy journals and websites.



Dr. Olga Vinogradova

Olga Vinogradova, Ph.D., joined the School of Pharmacy faculty as an Assistant Professor of Medicinal Chemistry. She received her master's degree at the Moscow Institute of Physics and Technology, and her doctorate at Case Western Reserve University. In addition, Dr. Vinogradova was a Post-doctoral Research Fellow at the Cleveland Clinic Foundation.

Dr. Vinogradova has received numerous honors, among them the NIH Research Fellowship Award, the Lerner Research Fellowship Award, and the AHA Scientist Development Grant. She is also an ad hoc grant reviewer for the National Science Foundation and the Health Research Board in Ireland.



Dennis J. Chapron
Associate Professor

ASCP Training Program

pharmacy students. Trainees are chosen from a national pool of applicants that is highly competitive. As of 2003, 108 pharmacists have completed the Disease Pharmacotherapy traineeship.

While in the program, trainees learn through both an experiential component, which involves a variety of direct patient care activities, and a didactic component, which is taught by nationally recognized clinicians. The traineeship focuses on several areas, including disease management of heart failure, osteoporosis and osteoarthritis in elderly patients, patient interviewing skills, physical and cognitive assessment, and the prioritization of problems in patients with polymorbidities. Students also learn the use of poetry in the medical setting, not only for enhancing clinical insight, but for developing a true compassion for the experience of aging with illness.

In 1996, the University of Connecticut's School of Pharmacy was chosen by the American Society of Consultant Pharmacists (ASCP) to establish a trainee program. Over the past decade, the ASCP has established seven such programs for outstanding pharmacy schools nationwide. Because of the School's nationally recognized faculty, as well as our teaching and research programs in geriatrics, the ASCP has provided a Pharmacotherapy traineeship through grants provided by pharmaceutical companies.

Faculty for this intensive, five-day program were chosen from the School of Pharmacy, the University's Center on Aging, and the Hebrew Home and Hospital, all of which have developed strong teaching and fellowship programs for

The traineeship is coordinated by Henry Schneiderman of the Hebrew Home and Hospital and by Dennis Chapron and John Folstad of the School of Pharmacy, who also act as preceptors for the program.

BRIAN J. ANESKIEVICH

Ciarlo, J. D., Flores, A.M., McHugh, N.G. & Aneskievich, B.J. (2004). FHL2 expression in keratinocytes and transcriptional effect on PPAR α /RXR α . *Journal of Dermatological Science*, 35:61-63.

Flores, A. M., Li, L. & Aneskievich, B. J. (2004). Isolation and functional analysis of a keratinocyte-derived, ligand-regulated nuclear receptor comodulator. Manuscript submitted to the *Journal of Investigative Dermatology*.

BEN A. BAHR

Bahr, B. A. (2003). Dysfunction and activation of the lysosomal system: Implications for and against Alzheimer's disease. *Focus on Alzheimer's Disease Research*, 115-150.

Ekdahl, C.T., Mohapel, P., Weber, E., Bahr, B., Blomgren, K., & Lindvall, O. (2003). Caspase-mediated death of newly formed neurons in the adult rat dentate gyrus following status epilepticus. *European Journal of Neuroscience*, 16:1463-1471.

Bendiske, J., & Bahr, B. A. (2003). Lysosomal activation is a compensatory response against protein accumulation and associated synaptopathogenesis – An approach for slowing Alzheimer's disease? *Journal of Neuropathology and Experimental Neurology*, 62:451–463.

Ferrand-Drake, M., Zhu, C., Gidö, G., Hansen, A., Karlsson, J.-O., Bahr, B. A., Zamzami, N., Kroemer, G., Chan, P., Wieloch, T., & Blomgren, K. (2003). Cyclosporin A prevents calpain activation despite increased intracellular calcium concentrations, as well as translocation of apoptosis-inducing factor, cytochrome c, and caspase-3 activation in neurons exposed to transient hypoglycemia. *Journal of Neurochemistry*, 85:1431-1442.

Emgard, M., Hallin, U., Karlsson, J., Bahr, B.A., Brundin, P., & Blomgren, K. (2003). Both apoptosis and necrosis occur early after intracerebral grafting of ventral mesencephalic tissue: A role for protease activation. *Journal of Neurochemistry*, 86:1223-1232.

Ekdahl, C.T., Zhu, C., Bonde, S., Bahr, B.A., Blomgren, K., & Lindvall, O. (2003). Death mechanisms in status epilepticus-generated neurons and effects of additional seizures on their survival. *Neurobiological Discoveries*, 14:513-523.

MARLENE BOUVIER

Frickel, E., Frei, P., Bouvier, M., Stafford, W., Helenius, A., Glockshuber, R. & Ellgaard, L. (2004). ERP57 is a multi-functional thiol-disulfide oxidoreductase. *Journal of Biological Chemistry*, 279: 18277-18287.

Lenong, L. & Bouvier, M. (2004). Structures of HLA-A*1101 complexed with immunodominant nonamer and decamer HIV-1 peptides clearly reveal the presence of a middle, secondary anchor. *Journal of Immunology*, 172: 6175-6184.

Lenong, L., Wang, S. & Bouvier, M. (2004, in press). Structural impact of natural polymorphism in the HLA-A3 superfamily: implications for antigen selection and presentation by HLA-A3-like molecules. *Journal of Immunology*.

Wang, S., Tan, Y., Stafford, W., Mabuchi, E. & Bouvier, M. Individual domains of calreticulin: identification of the calcium, zinc, and ATP binding sites. Manuscript in preparation.

DIANE J. BURGESS

Burgess, D.J., Duffy, E., Etzler, F. & Hickey, A.J. (2004, in press). Particle Size Analysis: AAPS Workshop Report. *The AAPS Journal*.

Patil, S.D. & Burgess, D.J. (2004, in press). DNA-based Therapeutics and their delivery systems: A comprehensive review. *The AAPS Journal*.

Burgess, D.J., Crommelin, D.J.A., Hussain, A.S. & Chen, M.L. (2004). Assuring quality and performance of sustained and controlled release parenterals. *European Journal of Pharmaceutical Sciences*, 21, (5) 679-690.

Burgess, D.J., Crommelin, D.J.A., Hussain, A.S. & Chen, M.L. (2004). Assuring quality and performance of sustained and controlled release parenterals: EUFAPS Workshop Report. *The AAPS Journal*, 6, (11).

Patil, S.D. & Burgess, D.J. (Commissioned 2003). DNA-based Bio-pharmaceuticals: Therapeutics for the 21st Century. *AAPS News Magazine*.

Jiao, J. & Burgess, D.J. (2003). Ostwald ripening of water-in-hydrocarbon emulsions. *Journal of Colloid Interface Science*, 264(2), 506-516.

GERALD GIANUTSOS

Chicoine, L.M., Suppiramaniam, V., Vaithianathan, T., Gianutos, G. & Bahr, B.A. (2004). Sulfate- and size-dependent polysaccharide modulation of AMPA receptor properties. *Journal of Neuroscience Research*, 75, 408-416.

DAVID F. GRANT

Enayetallah, A. D., French, R. A., Thibodeau, M. S. & Grant, D. F. (2004). Distribution of soluble epoxide hydrolase and CYP2C8, 2C9 AND 2J2 in normal human tissues. *Journal of Histochemistry and Cytochemistry*, 52, 447-454.

Nowak, G., Grant, D. F. & Moran, J. H. (2004). Linoleic acid epoxide, cis-12,13-epoxy-9-octadecenoic acid, promotes the maintenance of mitochondrial function and active Na⁺ transport in renal cells following hypoxia. *Toxicology Letters*, 147, 161-175.

Przybyla-Zawislak, B. D., Johana Vázquez-Matias, J., Mohrenweiser, H. W., Maxwell, J., Hammock, B. D., York, J. L., Zeldin, D. C. & Grant, D. F. (2003). Polymorphisms in human soluble epoxide hydrolase. *Molecular Pharmacology*, 64, 482-490.

ANDREA K. HUBBARD

Thibodeau, M., Giardina, C. & Hubbard, A.K. (2003). Silica Induced Caspase Activation In Mouse Alveolar Macrophages Is Dependent Upon Mitochondrial Integrity And Aspartic Proteolysis. *Toxicological Sciences*, 76, 91-101.

Fubini, B. & Hubbard, A.K. (2003). Role of Reactive Oxygen and Nitrogen Species (ROS/XRNS) in Lung Injury and Diseases. *Free Radical Biology Medicine*, 34, 1507-16.

Symanowicz, P.T., Olsen, J.E., Thrall, R.S., Cloutier, M.M. & Hubbard, A.K. (2003). Immediate sensory nerve-mediated respiratory responses to irritants in healthy and allergic airway-diseased mice. *Journal of Applied Physiology*, 94, (4) 1563-71

DEVENDRA S. KALONIA

Sharma, V.K. & Kalonia, D. S. (2004). Effect of Vacuum Drying on Protein-Mannitol Interactions: The Physical State of Mannitol and Protein Structure in Dried State. *AAPS PharmSciTech*, 5(1) Article 10

Sharma, V.K. & Kalonia, D.S. (2004). Polyethylene Glycol-Induced Precipitation of Interferon Alpha-2a Followed By Vacuum Drying: Development of a Novel Process for Obtaining a Dry, Stable Powder. *AAPS Journal*, 6(1), Article 4.

Sharma, V.K. & Kalonia, D.S. (2003). Temperature and pH Induced Multiple Partially Unfolded States of Recombinant Human Interferon alpha-2a, Possible Implications in Protein Stability. *Pharmaceutical Research*, 1721-1729, 20(11).

Srivastava, P.K., Sharma, V., Kalonia, D. & Grant, D. Polymorphisms in Human Soluble Epoxide Hydrolase: Effects on Enzyme Activity, Enzyme Stability and Quaternary Structure. Accepted for publication in the *Archives of Biochemistry and Biophysics*.

ALEXANDROS MAKRIYANNIS

Guo, J., Pavlopoulos, S., Tian, X., Lu, D., Nikas, S., Nikas, S., Yang, D. & Makriyannis, A. (2003). Conformational study of lipophilic ligands in phospholipid model membrane systems by solution NMR. *Journal of Medicinal Chemistry*, 46, 4838-4846.

Ibrahim, M. M., Deng, H., Zvonok, A., Cockayne, D., Kwan, J., Mata, H.P., Vanderah, T., Lai, I., Porreca, F., Makriyannis, A. & Malan, T.P. (2003). Activation of CB₂ cannabinoid receptors by AM1241 inhibits experimental neuropathic pain: Pain inhibition by receptors not present in CNS. *Proceedings of the National Academy of Science*, 100, (18) 10529-33.

Jarbe, T., Lamb, R., Liu, Q. & Makriyannis, A. (2003). (R)-Methanandamide and D⁺-tetrahydrocannabinol-induced operant rate decreases in rats are not readily antagonized by SR-141716A. *European Journal of Pharmacology*, 466, 121-127.

Koufaki, M., Calogeropoulou, T., Rekka, E., Chryselis, M., Papazafiri, P., Gaitanaki, C. & Makriyannis, A. (2003). Bifunctional Agents for Reperfusion Arrhythmias: Novel Hybrid Vitamin E/ Class I Anti-arrhythmics. *Bio-organics & Medicinal Chemistry*, 11, 5209-5219.

Makriyannis, A. & Goutopoulos, A. (2003). Cannabinergics: Old and New Therapeutic Possibilities. *Drug Discovery Strategies and Methods*, 1, 89-128.

McLaughlin, P.J., Winston, K., Swezey, L., Wisniecki, A., Aberman, J., Tardif, D.J., Betz, A.J., Ishiwari, K., Makriyannis, A. & Salamone, J.D. (2003). The cannabinoid CBI antagonists SR141716A and AM251 suppress food intake and food-reinforced behavior in a variety of tasks in rats. *Behavioural Pharmacology*, 14, (8) 583-588.

Papahatjis, D., Nikas, S., Kourouli, T., Chari, R., Xu, W., Pertwee, R.G. & Makriyannis, A. (2003). Pharmacophoric Requirements for the Cannabinoid Side Chain: Probing the Cannabinoid Receptor subsite at C1c. *Journal of Medicinal Chemistry*, 46 (15), 3221-9.

Hohmann, A.G., Farthing, J.N., Zvonok, A.M. & Makriyannis, A. (2004). Selective Activation of Cannabinoid CB₂ Receptors Suppresses Hyperalgesia Evoked by Intradermal Capsaicin. *Journal of Pharmacology and Experimental Therapy*, 308, 446-453.

Czoty, P.W., Makriyannis, A. & Bergman, J. (2004, in press). Methamphetamine Discrimination and *in vivo* Microdialysis in Squirrel Monkeys. *Psychopharmacology*.

Guo, J., Pavlopoulos, S., Tian, X., Lu, D., Yang, D. & Makriyannis, A. (2004, in press). Conformational study of lipophilic ligands in phospholipid model membrane systems by solution NMR. *Journal of Medicinal Chemistry*.

Luk, T., Jin, W., Zvonok, A., Lu, D., Lai, X., Chavkin, C., Makriyannis, A., & Mackie, K. (2004, in press). Identification of a potent and highly efficacious, yet slowly desensitizing CBI cannabinoid receptor agonists. *British Journal of Pharmacology*.

Nackley, A.G., Zvonok, A.M., Makriyannis, A. & Hohmann, A.G. (2004, in press). A Peripheral Cannabinoid CB₂ /sub Mechanism Modulates C-Fiber Evoked Responses and Windup of Spinal Wide Dynamic Range Neurons in a Rat Model of Inflammation. *Journal of Neurophysiology*.

Jarbe, T. U. C., Harris, M.Y., Li, C., Liu, Q., Makriyannis, A. (2004). Discriminative Stimulus Effects of SR-141716, A Cannabinoid CBI Receptor Antagonist. Manuscript accepted to *Psychopharmacology*.

Nikas, S. P., Grzybovska, J., Papahatjis, D.P., Charalambous, A., Banijamali, A.R., Chari, R., Fan, P., Kourouli, T., Lin, S., Nitowski, A.J., Marciniak, G., Guo, Y., Li, X., Wang, C.J. & Makriyannis, A. (2004). The Role of Halogen Substitution in Classical Cannabinoids: A CBI Pharmacophore Model. Manuscript accepted to the *AAPS Journal*.

Choi, G., Guo, J. & Makriyannis, A. (2004). The Conformation of Helix 8 of the CBI Cannabinoid Receptor Using NMR and Circular Dichroism. Manuscript submitted to *Biochimica et Biophysica Acta*.

Gifford, A.N., Deng, H., Makriyannis, A., Akinfeyele, T., Bruneus, M., DiMaio, A.A., Volkow, N.D. & Gatley, S.J. (2004). *In vivo* binding of the potent aminoalkylindole CBI cannabinoid receptor agonist, AM2233. Manuscript submitted to the *Journal of Pharmacology and Experimental Therapeutics*.

Guo, J., Pavlopoulos, S., Tian, X., Lu, D. & Makriyannis, A. (2004). Conformational studies of hydrophobic small molecules in an anisotropic membrane system using high resolution NMR. Manuscript submitted to *Biochimica et Biophysica Acta*.

Xie, X-Q., Chen, J-Z., & Makriyannis, A. (2004). Structural Analyses of the C-Terminal Juxtamembrane Domains of G-Protein Coupled Cannabinoid CB₁/CB₂ Receptors: A Comparative NMR Study. Submitted to the *Biophysical Journal*.

Zhang, W., Lin, S., Erickson, J., Makriyannis, A. & Redda, K.K. (2003). Synthesis of Biphenilic Cannabinoid Analogs and Structure Activity Relationship Studies. Submitted to the *Journal of Medicinal Chemistry*.

JOSE E. MANAUTOU

Chen, C., Hennig, G.E., & Manautou, J.E. (2003). Hepatobiliary excretion of acetaminophen and its conjugated metabolites in transport deficient (TR) hyperbilirubinemic rats. *Drug Metabolism and Disposition*, 31, 798-804.

Shankar, K., Vaidya, V.S., Apte, U.M., Manautou, J.E., Ronis, M.J., Bucci, T.J., & Mehendale, H.M. (2003). Type 1 diabetic mice are protected from acetaminophen hepatotoxicity. *Toxicological Sciences*, 73, 220-34.

Manautou, J.E. (2003). CAR inhibitors: new line of treatment for APAP poisoning? *Journal of Hepatology*, 39, 297-299.

JOHN B. MORRIS

Morris, J.B., Symanowicz, P.T., Olsen, J.E., Thrall, R.S., Cloutier, M.M. & Hubbard, A.K. (2003). Immediate sensory-nerve mediated respiratory responses to irritants in healthy and allergic airway diseased mice. *Journal of Applied Physiology*, 94, 1563-1571.

Symanowicz, P.T., Gianutsos, G. & Morris, J.B. (2004). Lack of role for the vanilloid receptor in response to several inspired irritant air pollutants in the C57Bl/6J mouse. *Neuroscience Letters*, 362, 150-153.

MICHAEL J. PIKAL

Pikal, M. J., Chang, L. & Tang, X. (2004). Evaluation of glassy-state dynamics from the width of the glass transition: results from theoretical simulation of differential scanning calorimetry and comparisons with experiment. *Journal of Pharmaceutical Sciences*, 93 (4) 981-994.

Lu, X. & Pikal, M. J. (2004). Freeze-Drying of Mannitol-Trehalose-Sodium Chloride formulations: The Impact of Annealing on Dry Layer Resistance to Mass Transfer and Cake Structure. *Pharmaceutical Development & Technology*, 9 (1), 85-95.

Tang, X., & Pikal, M. J. (2004). Design of Freeze-Drying Processes for Pharmaceuticals: Practical Advice. *Pharmaceutical Research*, 21(2), 191-200.

SPIRO PAVLOPOULOS

Guo, J., Pavlopoulos, S., Tian, X., Nikas, S.P., Lu, D., Yang, D.P., Makriyannis, A. (2003). Conformational Study of Lipophilic Ligands in Phospholipid Model Membrane Systems by Solution NMR. *Journal of Medicinal Chemistry*, 46 (23) 4838-4846.

Antimicrobial Resistance Research



Jeffrey R. Aeschlimann
Assistant Professor

During the past year, research in the laboratory of Jeffrey Aeschlimann, Pharm.D., has focused on the relationship between antimicrobial resistance and antimicrobial pharmacodynamics against *Pseudomonas aeruginosa*, a common cause of bacterial infections in critically ill hospitalized patients.

Completed projects have documented significant differences in the activity of antipseudomonal antimicrobials based on whether the *P. aeruginosa* produces multidrug efflux pump proteins at low or high levels. Using a novel *in vitro* infection model system, it was determined that the overproduction of these efflux

pump systems results in significant differences in overall antipseudomonal activity of combination therapies versus this pathogen.

Continuing research seeks to define the impact of multidrug efflux pump-based resistance on the clinical outcomes of patients with *P. aeruginosa* infections and ultimately is focused on determining the optimal way to treat patients with these life-threatening infections.

JEFFERY AESCHLIMANN

Rybak, M.J. & Aeschlimann, J.R. (2004). Laboratory Tests to Direct Antimicrobial Chemotherapy. *Pharmacotherapy: A Pathophysiologic Approach* (6th edition).

Rybak, M.J. & Aeschlimann, J.R. (2004). Streptogramins. *Antimicrobial Chemotherapy*.

White, R.L., Bonapace, C.R., Friedrich, L.V., Rybak, M.J., Cappelletty, D.M., Mercier, R.C., Houlihan, H.H., Aeschlimann, J.R. & Bosso, J.A. (2003). Assessment of Differences in Antimicrobial Effect Determined with Two In Vitro Pharmacodynamic Models: Impact of Surface Area to Volume Ratio. *Pharmacotherapy*, 23(5):603-608.

MARLA CAMPBELL

Campbell, M.J. Collaborative Drug Therapy Management. (2004, in press). *Pharmacy Law*.

Hammond, R.W., Schwartz, A.H., Campbell, M.J., et al. (2003). ACCP Position Statement: Collaborative Drug Therapy Management by Pharmacists. *Pharmacotherapy*, 23: 1210-1225.

Carabino, J.M. & Campbell, M.J. (2003). Cost Issues When Prescribing Chronic Pain Medications for Cancer Patient with No Prescription Coverage. *Caring Connections – Hospice of Bristol Hospital Patient and Family Newsletter*, Volume 2, Issue 1.

Lee, J., Neasey, P., Campbell, M. & Facchinetti, N. (2003). Self-Efficacy and Knowledge of Connecticut Pharmacists Concerning Nutritional Supplementation. *Connecticut Pharmacist*, 62 (4): 8-15

DENNIS CHAPRON

Chapron, D.J. Pharmacotherapy of Thyroid Diseases in the Elderly. *Geriatric Review Module* sponsored by the American Society of Consultant Pharmacists.

Schneiderman, H., Chapron, D.J. & McMahon, E. (2004). Minocycline-Induced Skin Pigmentation. *Consultant*, 44:817-826.

CRAIG COLEMAN

Coleman, C.I., Hebert, J.H. & Reddy, P. (2003). The effect of Panax ginseng on quality of life. *Journal of Clinical Pharmaceutical Therapy*, 28:5-15.

Coleman C.I., Musial, B.L. & Ross, J. (2003). Focus on enfuvirtide: The first fusion inhibitor for the treatment of HIV-1 infection. *Formulary*, 38:202-220.

Perkerson, K.A., White, C.M. & Coleman, C.I. (2003). Aldosterone receptor antagonists in heart failure. *Connecticut Medicine*, 67:397-401

Coleman, C.I., Reddy, P., Quercia, R.A., et al. (2003). A cost-benefit analysis of an inpatient, pharmacy-managed medication assistance program for indigent patients. *American Journal of Health-System Pharmacy*, 60:378-82.

Coleman, C.I., Carabino, J.M., Vergara, C.M., et al. (2003). Focus on vardenafil: An oral selective phosphodiesterase inhibitor for the treatment of erectile dysfunction. *Formulary*, 38:131-48.

Coleman, C.I., Reddy, P., Laster-Bradley, N.M., et al. (2003). Prescriber and Pharmacist Responses to Intervention Letters for Connecticut Medicaid Beneficiaries with Asthma. *American Journal of Health-System Pharmacists*, 60:1142-4.

Coleman, C.I., Reddy, P., Laster-Bradley, N.M., et al. (2003). Effect of Practitioner Education on Adherence to Asthma Treatment Guidelines. *Annals of Pharmacotherapy*, 37:956-61.

Perkerson, K.A., Quercia, R.A., Goldman, M., Goddu, G. & Coleman, C.I. (2004). Multidisciplinary Approach to Improving Adverse Drug Reaction Reporting. *Connecticut Medicine*, 68:275-78.

McBride, B.F., Karapanos, A.K., Krudysz, A., Kluger, J., Coleman, C.I., et al. (2004). The Electrocardiographic and Hemodynamic Effects of Metabolite 356 in Healthy Volunteers. *Journal of the American Medical Association*, 291:216-21.

Kalus, J.S., White, C.M., Caron, M.F., Coleman, C.I., et al. (2004). Clinical Indicators of Postoperative Atrial Fibrillation Risk in Cardiothoracic Surgery Patients Treated with Prophylactic Amiodarone. *Annals of Thoracic Surgery*, 77:1288-92

Coleman, C.I., Kalus, J., Caron, M.F., et al. (2004). Model of effect of magnesium prophylaxis on frequency of Torsade de Pointes in ibutilide-treated patients. *American Journal of Health-Systems Pharmacists*, 61:685-88.

Coleman, C.I., Perkerson, K.A. & Lewis, A. (2004). Alendronate-Induced Auditory Hallucinations and Visual Disturbances. *Pharmacotherapy*, 24(6).

Ellis, J.M., Ross, J.W. & Coleman, C.I. (2004). Fosamprenavir: A novel protease inhibitor and prodrug of amprenavir. *Formulary*, 39:151-60.

Musial, B.L., Chojenicki, J.K. & Coleman, C.I. (2004). Atazanavir: A new protease inhibitor to treat HIV-1 infection. *American Journal of Health-System Pharmacy*, 61(12).

NEIL FACCHINETTI

Shah, S.A., Parisi, J.P., Facchinetti, N.J., & James, J.A. (2004). The impact of brief counseling intervention by pharmacists on readiness to quit smoking in a community pharmacy. *New England Journal of Pharmacy*, 31:3-4.

Lee, J., Neasey, P., Campbell, M., & Facchinetti, N. (2003) Self-Efficacy and Knowledge of Connecticut Pharmacists Concerning Nutritional Supplementation. *Connecticut Pharmacist*, 62 (4): 8-15.

SEAN JEFFERY

Chamberlin, K.W., Pham, T. & Jeffery, S.M. (2004). Pain Management. *Geriatric Pharmacy Review*, 12.08:6.

Jeffery, S.M. Spinal Cord Syndromes and Neuropathies. (2004). *Geriatric Pharmacy Review*, 12.04.

Chamberlin, K.W. & Jeffery, S.M. (2003). Sleep Disorders in the Elderly. *Geriatric Pharmacy Review*, 16.03.

JENNIFER JAMES

Shah, S.A., Parisi, J.P., Facchinetti, N.J., & James, J.A. (2004). The Impact of Brief Pharmacist Counseling on Patient Readiness to Quit Smoking in a Community Setting. *New England Journal of Pharmacy*, 1 (1): 31-34.

James, J.A. (2003). Patient Drug Facts: For Patients Who Want to Know More. *American Journal of Pharmaceutical Education*, 67 (2), 24

LISA LARIVE

Larive, L.L., Rhoney, D.H., Parker, D. & Carhuapoma, J.R. (2003). Initial Experience Using Hypertonic Saline for Cerebral Edema. *Journal of Neurosurgical Anesthesiology*, 15(4):375, A51

Rhoney, D.H., DiDonato, M. & Larive, L.L. (2003). National Survey of High-dose Steroid Prescribing Practices Following Spinal Cord Injury. *Critical Care Medicine*, 31(12 Suppl):A88 (320).

Larive, L.L., & Rhoney, D.H. (2003). Prescribing Patterns for Antihypertensive Agents in Intracerebral Hemorrhage. *Critical Care Medicine*, 31(12Suppl): A138(495).

FEI WANG

Wang, F., Vergara, C.M., Carabino, J.M., Deslets, A. & Vasquez, R. (2004, in press). Continuation of Thiazolidinedione Therapy in Patients Without Left Ventricular Dysfunction Who Develop Fluid Retention and Symptoms of Congestive Heart Failure. *American Journal of Health-System Pharmacy*.

Vergara, C., Martin, A.M. & Wang, F. (2004) Horowitz, S. Awareness about Factors That Affect the Management of Hypertension in Puerto Rican Patients. *Connecticut Medicine*, 68(5): 269-276.

Wang, F. & Ross, J. (2003). Atazanavir: A Novel Azapeptide Inhibitor of HIV-1 Protease. *Formulary*, 38:677-696.

Wang, F., Carabino, J.M. & Vergara, C.M. (2003). Insulin Glargine: A Systematic Review of a Long Acting Insulin Analog. *Clinical Therapeutics*, 25(6): 1539-1577.

Vergara, C.M., Wang, F. & Banfi, V. (submitted 2003). Hypertension in Puerto Ricans in the United States: A Narrative Review. *Journal of Health Care for the Poor and Underserved*.

C. MICHAEL WHITE

White, C.M., McBride, B., Kalus, J. (2004). Chapter 2: Dyslipidemias. *Pharmacotherapy Self Assessment Program, Fifth Ed., Book I: Cardiology*, 165-190.

Coleman, C., Reddy, P., Laster-Bradley, N.M., Dorval, S., Munagala, B. & White, C.M. Prescriber and Pharmacist Responses to Intervention: Letters for Connecticut Medicaid Beneficiaries with Asthma.

Coleman, C., Reddy, P., Laster-Bradley, N.M., Dorval, S., Munagala, B., & White, C.M. (2003). Effect of Practitioner Education on Adherence to Asthma Treatment Guidelines. *Annals of Pharmacotherapy*, 37:956-61

White, C.M., Caron, M.F., Kalus, J.S., Rose, H., Song, J., Reddy, P., Gallagher, R., Kluger, J. (2003). Intravenous and Oral Amiodarone, Atrial Septal Pacing, or Both Strategies to Prevent Post-Cardiothoracic Surgery Atrial Fibrillation: the Atrial Fibrillation Suppression Trial II (AFIST II). 108[Suppl II]: 200-6.

Wu, A.H.B, Smith, A., Mather, J.F., Duncan, B., White, C.M. & Heller, G.V. (2003). Biological Variation for NT-Pro- and B-Type Natriuretic Peptides and Implications for Therapeutic Monitoring of Patients with Congestive Heart Failure. *American Journal of Cardiology*, 92:628-31.

Taillefer, R., Ahlberg, A.W., Masood, Y., White, C.M., Lamargese, I., Mather, J.F., McGill, C.C. & Heller, G.V. (2003). Acute Beta-Blockade Reduces Dipyridamole-Induced Myocardial Ischemia Using Tc-99m Sestamibi SPECT Imaging. *Journal of the American College of Cardiology*, 42:1475-83.

Kalus, J.S., Spencer, A.P., Tsikouris, J.P., Chung, J., Kenyon, K.W., Ziska, M., Kluger, J. & White, C.M. (2003). The Impact of Prophylactic Intravenous Magnesium on the Efficacy of Ibutilide for Conversion of Atrial Fibrillation or Flutter: The Treatment with Ibutilide and Magnesium Evaluation (TIME). *American Journal of Health-Systems Pharmacists*, 60:2308-12.

McBride, B.F., Karapanos, A.K., Krudysz, A., Kluger, J., Coleman, C.I., & White, C.M. (2004). The Electrocardiographic and Hemodynamic Effects of a Multicomponent Dietary Supplement Containing Ephedra and Caffeine: a Randomized Trial. *Journal of the American Medical Association*, 291:216-21.

Coleman, C.I., Kalus, J., Caron, M.F., Kluger, J., White, C.M. (2004). Modeling the Impact of Prophylactic Magnesium on the Incidence of Torsade de Pointes Among Patients Receiving Ibutilide. *American Journal of Health-Systems Pharmacists*, 51:685-8.

Kalus, J.S., White, C.M., Caron, M.F., Coleman, C.I., Takada, H. & Kluger, J. (2004). Indicators of Atrial Fibrillation Risk in Cardiac Surgery Patients on Prophylactic Amiodarone. *Annals of Thoracic Surgery*, 77:1288-92.

McBride, B., White, C.M., Campbell, M. & Frey, B. (2003). Nicardipine to Control Neonatal Hypertension During Extracorporeal Membranous Oxygen (ECMO) Support. *Annals of Pharmacotherapy*, 37:667-70.

White, C.M. (2003). Venlafaxine in EP Procedure: A Clinical Case Review. *Drug Topics*, 147:H5E1L

McBride, B. & White, C.M. (2003). Acute Decompensated Heart Failure: A Contemporary Approach to Pharmacotherapeutic Management. *Pharmacotherapy*, 997-1020.

McBride, B.F. & White, C.M. (2003). Ranolazine: A Novel Metabolic Modulator for the Treatment of Chronic Stable Angina. *Formulary*, 38:461-6.

McBride, B. & White, C.M. (2003). Levosimendan: Implications for Clinicians. *Journal of Clinical Pharmacology*, 43:1071-81.

McBride, B. & White, C.M. (2004, in press). Are There Ethnic Differences in Heart Failure Medication Response? *Connecticut Medicine*.

Cheng, J.W., Frank, L., Garrett, S.D., Lu, Y., Sanoski, C.A. & White, C.M. (2004). Key Articles and Guidelines in Pharmaceutical Management of Arrhythmia. *Pharmacotherapy*, 24:248-279.

Min, B. & White, C.M. (2004). Hawthorn. *Connecticut Medicine*, 68:161-4.

Leena Bardwaj
Psychiatric Pharmacy Fellow
Institute of Living
Preceptor - C. Caley

Kevin Chamberlin
Geriatric Pharmacy Resident
VA Connecticut HealthCare
Preceptor - S. Jeffery

Michael Guren
Primary Care Resident
Hartford Hospital
Preceptor - F. Wang

Brian McBride
Cardiovascular Fellow
Hartford Hospital
Preceptor - C.M. White

Bokyung Min
Cardiovascular Fellow
Hartford Hospital
Preceptor - C.M. White

Fletcher Nehring
Pharmacy Practice Resident
Saint Francis Hospital
Preceptor - M. Summa

Kristen Perkerson
Pharmacoeconomics Fellow
Hartford Hospital
Preceptor - C. Coleman

Nadine Yang
Pharmacy Practice Resident
Saint Francis Hospital
Preceptor - M. Summa



Patient Counseling Lab

Neil J. Facchinetti
Associate Professor

The development of excellent communications skills is essential to the profession of pharmacy. The Patient Counseling Lab provides opportunities for active learning by role-playing a variety of patient care situations.

In 2004, Pharmacy Counseling Lab was converted to digital video recording and viewing through a new streaming server. The server stores more than 500 video files from three new camcorders and computers in recording stations and streams them to three other new computers in the lab where students view them with their instructors.



Neurotoxicology Center

Ben A. Bahr
Associate Professor

With this new equipment, worth more than \$20,000, students and pharmacist instructors are afforded enhanced opportunities to analyze counseling sessions both on and off campus. The new computers, plus a new DVD player, permit the creation and viewing of instructional DVDs that help prepare students for their recording sessions.

Dr. Ben Bahr, an associate professor of pharmacology and neurotoxicology in the School of Pharmacy, is in the process of turning his research laboratory into a Neurotoxicology Center for the University. He has submitted a request for patent protection, that is currently pending, on a revolutionary treatment strategy for Alzheimer's disease. Dr. Bahr has also met with officials in the UConn Research and Development Corporation in order to secure funding through small business initiatives and the National Institutes of Health. He has presented his research at Pfizer in order to gain further local interest.



Building Update

The faculty, staff and students of the School of Pharmacy are eagerly looking forward to being in our new building by the beginning of the 2005-06 academic year. The new Pharmacy/Biology Building, which is centrally located in the research quadrangle across from the new Chemistry Building, has a distinctive appearance due to its large size and unique construction utilizing brick and pre-patinaed copper. The interior walls are up and painting and installation of lab benches is well underway. Construction, which began in July 2003, should be completed by the summer of 2005. It is anticipated that the School of Pharmacy will start moving into the new building by June 2005 and should be completely relocated by the beginning of the fall semester.

Save the Date

For the dedication of the Pharmacy/Biology Building and the celebration of the 80th Anniversary of the School of Pharmacy
 October 21-22, 2005.

Named Gift Opportunities

Opportunities to name facilities and spaces in the new Pharmacy/Biology Building abound. To date, more than \$1,520,000 has been committed to name locations throughout the building. Contributions designated to the *School of Pharmacy Endowment for the 2nd Century* will position the School for further growth. This endowment will provide funding for student scholarships, faculty, and programmatic support. If you would like to honor a family member or be recognized by naming a location in the new building, please contact Brian Lachapelle at (860) 486-6945 or blachapelle@foundation.uconn.edu.

- Library/Technology Center (1)**
\$1,000,000
- Atrium (1)**
\$250,000
- Dean's Office Suite (1)**
\$250,000
- Research Labs (39)**
\$100,000 each
- Terrace (1)**
\$100,000
- Conference Rooms (2)**
\$50,000 each
- Interview Room (1)**
\$50,000
- Faculty Offices (28)**
\$25,000 each
- Finance/Library Offices (2)**
\$25,000 each

Boehringer Ingelheim Pharmaceuticals, Inc. has committed \$250,000 to support the School of Pharmacy and name the Dosage Forms Laboratory Suite in the new Pharmacy/Biology Building which is currently under construction.

The *Boehringer Ingelheim Dosage Forms Laboratory Suite*, a state-of-the-art facility, will be used for teaching and research in the areas of drug formulation, manufacturing, and quality assessment. The design plans include a central laboratory, satellite unit operations laboratory, satellite sterile compounding laboratory, and laboratory preparation room.

Peter Farina, Vice President for Development at *Boehringer Ingelheim* and a member of the School of Pharmacy's Advisory Board, said, "We are pleased to support UConn's School of Pharmacy in promoting success in research." Dean Robert McCarthy said the close professional relationship that has developed between *Boehringer Ingelheim* scientists and School of Pharmacy faculty over the years played an important role in securing the pledge.

"Dr. Farina has told me of the great respect that he and others at the company have for our faculty as scientists and educators," he said. "In addition, several of our graduates have gone on to make important contributions at *Boehringer Ingelheim* and their efforts have further enhanced our School's reputation."

Within the *Dosage Forms Laboratory Suite*, the central laboratory will enable up to 30 students at a time to learn how to prepare and assess a variety of types of nonsterile dosage forms. The satellite unit operations laboratory will be dedicated to operations that require isolation, such as tableting, granulating, coating, and preparation of microemulsions. The satellite sterile compounding laboratory

will provide faculty with the opportunity to observe and teach proper sterile compounding techniques. The laboratory preparation and storage room will be used for the preparation of stock solutions for instructional purposes.

"The *Dosage Forms Laboratory Suite* will facilitate teaching pharmacy students how to formulate and evaluate drug products," said McCarthy. "It will significantly enhance the School's teaching and research programs."

Boehringer Ingelheim has funded other important initiatives at the School, including pre-doctoral and post-doctoral fellowships.

Pictured Below from Left to Right: Caswall Price, Dr. Peter Farina, Dr. Robin H. Bogner, UConn President Philip Austin, and Dean Robert McCarthy





263700

University of Connecticut
School of Pharmacy
372 Fairfield Road, Unit 2092
Storrs, Connecticut 06269-2092

NON-PROFIT
ORGANIZATION
U.S. POSTAGE
PAID
STORRS, CT
PERMIT NO. 3