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- (Online Only - visit go.osu.edu/2010copannualreport) 
- Donor Roll
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From the Dean

As I look over the accomplishments of the college each year, I am always astounded and proud of the amazing work that is carried out by our students, faculty, staff and volunteers. This tradition has been at the heart of the institution since its inception 125 years ago.

Faculty continued this tradition of excellence. We were all thrilled when not one, but two compounds of Ching-Shih Chen began clinical trials. Milap Nahata received the Richard A. Helms Award of Excellence in Pediatric Pharmacy Practice, and Marialice Bennett was elected president of the American Pharmacists Association (APhA), an event we will be celebrating this spring.

Our students were extremely active as well. Students received numerous awards, fellowships and scholarships, including Ana Azevedo, who received the Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellowships (F31) to promote Diversity in Health-Related Research from the National Cancer Institute (NCI). Our PharmD students provided over 12,850 hours of service related to community health. It is a testament to the dedication of our students to the field of pharmacy and to the health of our community.

As we look back upon the year, and the previous 124, the strong academic programs in professional, graduate, and undergraduate education are a reflection of the high quality faculty, students, researchers, and staff of the College. I encourage you to contact our faculty to learn more about the important research and scholarship being conducted here at The Ohio State University.

Sincerely,

Robert W. Brueggemeier
Dean, College of Pharmacy
The Ohio State University
Overview

By the Numbers

The amount of new awards received for Principal Investigators for FY 2010

Rotations of Advanced Pharmacy Practical Experience (APPE) for the 2010 Entry Level Pharmacy Doctorate (ELPD)

Number of student community service learning hours

Number of faculty authored or co-authored peer-reviewed journal articles and book chapters

The percentage of the Class of 2010 Entry Level PharmD students who graduated cum laude or higher

Ranking among colleges of pharmacy in total dollar amount of NIH awards for Federal FY 2009

The College of Pharmacy’s PharmD ranking according to U.S. News & World Report’s 2009 Top Graduate Schools
Academic Divisions

Medicinal Chemistry & Pharmacognosy
The Division of Medicinal Chemistry and Pharmacognosy is composed of faculty members with diversified research interests representing synthetic organic, analytical, natural products, and biological chemistry as well as computerized data acquisition control systems. Our graduate program and research interests are strongly tied to interdisciplinary approaches to the solution of chemical and biochemical problems. Our faculty are also active participants in The Ohio State University Comprehensive Cancer Center and are responsible for the operation and research of the Radiochemistry and Instrumentation Laboratory of the Cancer Center. Some of our faculty also participate in the Ohio State Biochemistry Program on campus. The research within the Division involves interaction with all other units of the College of Pharmacy as well as studies involving the Colleges of Biological Sciences, Medicine, Veterinary Medicine, and Dentistry.

Pharmaceutics
Division members teach drug delivery systems, pharmacokinetics and biopharmaceutics to BSPS, PharmD and graduate students. PhD graduates of the division enter careers in the pharmaceutical industry and academia, and perhaps surprisingly, in the U.S. Food and Drug Administration where nine former students work on new drug approval. The FDA employs more of the division's PhD graduates than any other single employer.

Pharmacology
The Division of Pharmacology is dedicated to research, with a focus on cardiovascular pharmacology and neuropharmacology. Students in the Division of Pharmacology become involved in discovering the mechanism of action of drugs, using drugs as tools or probes to learn how body systems work, and studying disease models to find new targets on which drugs can act.

Pharmacy Practice & Administration
The Pharmacy Practice area of the Division plays a key role in the college's professional programs including the Entry-Level Doctor of Pharmacy Program (ELPD) and the Non-Traditional Doctor of Pharmacy Program (NTPD). Pharmacy Practice courses are also offered in an undergraduate BSPS program. The Programs in Pharmaceutical Administration at The Ohio State University emphasize the understanding, analysis and solutions of the major administrative problems and challenges facing pharmacy practice and the pharmaceutical industry, primarily through excellence in teaching, research and public service in the academic setting and through facilitating sound decision-making in non-academic settings. The active interaction of faculty members and students within the programs allows students to develop and maintain high standards of professionalism, and provide the capacity of adapting to the changing pharmaceutical and health care environment.
**Overview**

**Our Mission**

The overall mission of the College of Pharmacy is to advance pharmaceutical care for the people of Ohio and the global community through our teaching, through our research, and through our service. The College will provide high quality education in the pharmaceutical sciences and pharmacy practice to professional, undergraduate, graduate, and postgraduate students through teaching, research, practice, and related service activities including outreach and engagement.

**Our Core Values**

We value innovation, learning and the advancement and sharing of knowledge. We value research and its application toward improving the use of medications in society. We value pharmaceutical care and professionalism. We value our students, faculty, staff, alumni and friends. We value diversity in all of its forms.

**Administration**

Robert W. Brueggemeier, Dean
Sylvan G. Frank, Associate Dean, Professional Programs
William L. Hayton, Associate Dean, Graduate & Research Studies
Kenneth M. Hale, Assistant Dean, Professional & External Affairs
Katherine A. Kelley, Assistant Dean, Assessment & Accreditation
Jerry Siegel, Assistant Dean, Medical Center Affairs (Retired 9/9/09)
Robert J. Weber, Assistant Dean, Medical Center Affairs (Current)

**Faculty**

Kristy M. Ainslie, Assistant Professor (PCEUT)
Jessie L.-S. Au, Distinguished University Professor (PCEUT)
Eric Bachelder, Research Assistant Professor (PCEUT)
Rajesh Balkrishnan, Associate Professor and Merrell Dow Professor (PPAD)
Stuart Beaty, Assistant Professor of Clinical Pharmacy (PPAD)
Marilyn S. Bennett, Professor of Clinical Pharmacy (PPAD)
Carolyn C. Brackett, Associate Professor of Clinical Pharmacy (PPAD)
Robert W. Brueggemeier, Professor and Dean (MCP)
Robert A. Buerki, Professor (PPAD)
Gerald L. Cable, Clinical Assistant Professor and Director, Experiential & Outreach Programs (PPAD)
Cynthia A. Carnes, Associate Professor (PPAD)
Kristin A. Casper, Associate Professor of Clinical Pharmacy (PPAD)
Esperanza Carcache de-Blanco, Assistant Professor (MCP, PPAD)
Kenneth K. Chan, Professor (PCEUT)
Ching-Shih Chen, Professor (MCP)
James D. Coyle, Associate Professor of Clinical Pharmacy (PPAD)
Robert W. Curley, Professor (MCP)
Colleen Dula, Clinical Assistant Professor (PPAD)
Terry S. Elton, Professor (PHARM)
Ruth E. Emptage, Clinical Assistant Professor (PPAD)
Sylvan G. Frank, Professor and Associate Dean (PCEUT)
James R. Fuchs, Assistant Professor (MCP)
Kenneth M. Hale, Clinical Associate Professor and Assistant Dean (PPAD)
Laura E. Hall, Clinical Assistant Professor (PPAD)
William L. Hayton, Professor, Associate Dean & Interim Chair (PCEUT)
George H. Hinkle, Jr., Associate Professor (PPAD)
Dale G. Hoyt, Associate Professor (PHARM)
Kari R. Hoyt, Associate Professor (PHARM)
Keli Hu, Assistant Professor (PHARM)
Jeffery L. Huston, Clinical Assistant Professor (PPAD)
Jeffrey S. Johnston, Senior Lecturer (PCEUT)
Katherine A. Kelley, Clinical Assistant Professor and Assistant Dean (PPAD)
A. Douglas Kinghorn, Jack L. Beal Professor and Chair (MCP)
Daren L. Knoell, Professor (PPAD)
Raufu M. Kvaratskhelia, Associate Professor (PCEUT)
Nicole Kwiek, Clinical Assistant Professor, Assistant Director for Educational Outreach (PHARM)
Veronique Lacombe, Research Assistant Professor (PPAD)
Robert J. Lee, Associate Professor (PCEUT)
Julie E. Legg, Clinical Assistant Professor (PPAD)
Chenglong Li, Assistant Professor (MCP)
Pui-Kai Li, Associate Professor and Chair (MCP)
Zhongfa Lui, Research Assistant Professor (PCEUT)
James W. McAuley, Associate Professor (PPAD)
Dennis B. McKay, Professor (PHARM)
Bella H. Mehta, Associate Professor of Clinical Pharmacy (PPAD)
Christine C. Murphy, Clinical Assistant Professor (PPAD)
Milap C. Nahata, Chair (PPAD)
Vinita B. Pai, Assistant Professor of Clinical Pharmacy (PPAD)
Mitch A. Phelps, Assistant Professor (PCEUT)
Maria C. Pruchnicki, Assistant Professor of Clinical Pharmacy (PPAD)
Jennifer L. Rodis, Assistant Professor of Clinical Pharmacy (PPAD)
Thomas D. Schmittgen, Associate Professor (PCEUT)
Enrique C. Seoane-Vazquez, Assistant Professor (PPAD)
Jerry Siegel, Clinical Professor and Assistant Dean, Medical Center Affairs (PPAD)
Sheryl L. Szeinbach, Professor (PPAD)
Werner Tjarks, Associate Professor (MCP)
Lane J. Wallace, Professor and Chair (PHARM)
Karl Werbovetz, Associate Professor (MCP)
Jennifer Whetstone, Senior Lecturer (MCP)
M. Guillaume Wientjes, Professor (PCEUT)
Anthony P. Young, Professor (PHARM)

**Emeritus Faculty**

Allan Burkman, Professor Emeritus (PHARM)
John M. Cassady, Emeritus Professor and Dean (MCP)
Joseph F. Dasta, Emeritus Professor (PPAD)
Raymond Doskotch, Professor Emeritus (MCP)
Dennis Feller, Professor Emeritus (PHARM)
Michael Gerald, Professor Emeritus (PHARM)
Jogikal Jagadeesh, Professor Emeritus (MCP)
Overview

Louis Malspeis, Professor Emeritus (PCEUT)
Robert E. Notari, Professor Emeritus (PCEUT)
Carter Olson, Professor Emeritus (MCP)
Dev S. Pathak, Emeritus Professor (PPAD)
Popat N. Patil, Professor Emeritus (PHARM)
Richard H. Reuning, Emeritus Professor (PPAD)
Larry Robertson, Professor Emeritus (MCP)
Theodore D. Sokoloski, Professor Emeritus (PCEUT)
Albert Soloway, Emeritus Professor and Dean (MCP)
Alfred Staubus, Associate Professor Emeritus (PCEUT)
James A. Visconti, Emeritus Professor (PPAD)

Professional Staff

Edward Beranek, Computer Instrument Specialist (CI)
Brian C Blakemore, Building Coordinator (CBO)
Thallia Blight, Program Coordinator (EOP)
Kathleen I. Brooks, Graduate Program Coordinator (GRS)
Betsy Bulgrin, Division Coordinator (PHARM)
Carol Camm, Division Coordinator (PCEUT)
Alice S. Daniels, Division Coordinator (MCP)
Erin Delffs, College Fiscal/Personnel Officer (CBO)
Heather Deters, Director of Student Affairs (SA)
Kelly L. Donnan, Academic Advisor and Staff Assistant (SA)
Linda Emmenegger, College Procurement Coordinator (CBO)
Susan B. Eshbaugh, Office Associate (DEAN)
June Alice Evans, College Registrar (SA)
John (Jack) Fowble, Director, Senior Systems Manager (CI)
Jonathan Gladden, Educational Tech. Specialist / Web Designer (CI)
Amanda Goff, Grants Manager
Barbara Hegler, Program Manager (EOP)
Nicole Herbert, Academic Counselor and Staff Assistant (SA)
Casey Ryan Hoerig, Systems Specialist (CI)
Emily A. Keeler, Director of Communications (DAA)
James Logan, Systems Developer / Engineer (CI)
Tanya McDay, Development & Alumni Affairs Coordinator (DAA)
Julie Miller, Program Assistant (SA)
Jose Orozco, Assistant Director of Admissions & Financial Aid (SA)
Bruce Posey, Systems Manager (CI)
Joy Scott, Division Coordinator (PCEUT)
Brad Stansell, Systems Specialist (CI)
Rori Taylor, Assistant to the Dean (DEAN)
Gail Vornholt, Human Resources Administrator (CBO)
Joni L Warren, Division Coordinator (PPAD)
Shannon Weiher, Director of Development & Advancement
Dawn Wray, Laboratory & Safety Manager

CBO - Central Business Office
PCEUT - Pharmaceutics
CI - Computers & Instrumentation
DAA - Development & Alumni Affairs
DEAN - Office of the Dean
EOP - Experiential and Outreach Programs
GRS - Graduate and Research Studies
MCP - Medicinal Chemistry & Pharmacology
PHARM - Pharmacology
PPAD - Professional Practice & Administration
SA - Student Affairs
Overview

Ohio State University Medical Center

The relationship between the Ohio State University Medical Center and the College of Pharmacy is a professional continuum that partners the didactic to the practical “classroom” provided at the Medical Center. The OSU Medical Center is one of the primary sites for both the introductory (IPPE) and advanced pharmacy practice (APPE) experiences in the PharmD Program. Faculty from both the College and the Medical Center continue to develop, update, improve, and refine courses and instruction, incorporating active learning components, and adapting courses for use of new technology. As the faculty at both the Medical Center and College continue to grow, the collaborative opportunities for practice, teaching, and research will only increase.

Administrators

Forrey, Ryan
Griffith, Niesha
Haas, Dan
Hafford, Amanda
Howell, Kimberly
Jordan, Trisha
Prier, Beth
Smeenk, Dave
Tubb, Crystal
Weber, Robert

Specialty Practice Pharmacists

Abel, Erik
Bauer, Karri
Bechtel, Tom
Berger, Mike
Blais, Danielle
Blazer, Marlo
Bond, Megan
Boyd, Mike
Chalupa, Donald
Crawford, Brooke
Doepker, Bruce
Dotson, Emily
Duda, Jessica
Dush, Aaron
DuVall, Laura
Edwards, Cowan (Sonny)
Fudge, Robert
Gardner, Debbie
Gerlach, Anthony
Goff, Debra
Grauer, Phyllis
Hanje, Jennifer
Hartman, Amber
Hawksworth, Kim
Hevezi, Margie
Hildebrand, April
Hinkle, George
Hirsch, Andrea
Hudson-Disalle, Sarah
Keating, Ellen
Khan, Ambar
Lehman, Joy
Li, Quan
McNulty, Robert
Mirtallo, Jay
Mori, Sherry

Specialty Practice Pharmacist, Cardiology
Specialty Practice Pharmacist, Infectious Diseases
Specialty Practice Pharmacist, Hematology/Oncology
Specialty Practice Pharmacist, Hematology/Oncology
Specialty Practice Pharmacist, Cardiology
Specialty Practice Pharmacist, Hematology/Oncology
Specialty Practice Pharmacist, Internal Medicine/Nephrology
Specialty Practice Pharmacist, Electrophysiology
Specialty Practice Pharmacist, Investigational Drug
Specialty Practice Pharmacist, Critical Care
Specialty Practice Pharmacist, Critical Care
Specialty Practice Pharmacist, Critical Care
Specialty Practice Pharmacist, Pain/Palliative Care
Specialty Practice Pharmacist, Pain/Palliative Care
Specialty Practice Pharmacist, Web Developer/Manager
Specialty Practice Pharmacist, Cardiology
Specialty Practice Pharmacist, Solid Organ Transplant
Specialty Practice Pharmacist, Nuclear Medicine
Specialty Practice Pharmacist, Oncology Informatics
Specialty Practice Pharmacist, Hematology/Oncology

Mount, Kari
Murphy, Claire
Parbhoo, Rupal
Pell, Lindsay
Pickworth-Pierce, Kerry
Porteus, Mike
Ray, Leslie
Reed, Erica
Reichert, Erin
Reinhart, Rodd
Roddy, Julianna
Schieber, Ariane
Savage, Lisa
Severing, Jennifer
Shirk, Mary Beth
Snider, Melissa
Sun, Lee
Taylor, Jeremy
Tschampel, Marva
Winters, Holli

Mount, Kari
Murphy, Claire
Parbhoo, Rupal
Pell, Lindsay
Pickworth-Pierce, Kerry
Porteus, Mike
Ray, Leslie
Reed, Erica
Reichert, Erin
Reinhart, Rodd
Roddy, Julianna
Schieber, Ariane
Savage, Lisa
Severing, Jennifer
Shirk, Mary Beth
Snider, Melissa
Sun, Lee
Taylor, Jeremy
Tschampel, Marva
Winters, Holli

Specialty Practice Pharmacist, Critical Care
Specialty Practice Pharmacist, Critical Care
Specialty Practice Pharmacist, Drug Information
Specialty Practice Pharmacist, Critical Care, Clinical Assistant Professor
Specialty Practice Pharmacist, Cardiology, Clinical Instructor
Specialty Practice Pharmacist, Information Systems
Specialty Practice Pharmacist, Hematology/Oncology
Specialty Practice Pharmacist, Nuclear
Specialty Practice Pharmacist, Internal Medicine, University Hospital East
Specialty Practice Pharmacist, Critical Care, University Hospital East
Specialty Practice Pharmacist, Emergency Medicine
Specialty Practice Pharmacist, Cardiology (Medication Safety)
Specialty Practice Pharmacist, Infectious Diseases
Specialty Practice Pharmacist, Investigational Drug
Specialty Practice Pharmacist, Infectious Diseases
Specialty Practice Pharmacist, Solid Organ Transplant

Staff Pharmacists

Baker, Erica
Barreto Hernandez, Janinah
Baylin, Peg
Beckel, Larry
Bendinelli, Linda
Bergman, Marina
Bichsel, Vivian
Black, Andy
Bower, Jill
Brown, David
Burger, Robert
Conkel, Melinda
Cutler, Elaine
Delahunty, Matthew
Donahue, Thomas
Ejezie, John
El-Hajj, Raed
Fish, Carrie
Ganio, Michael
Hafner, Paul
Hashmi, Zaffar
Heyman, Jennifer

Outpatient Oncology Pharmacist
Clinical Generalist Pharmacist
Clinical Generalist Pharmacist
Outpatient Oncology Pharmacist
Clinical Generalist Pharmacist
Outpatient Oncology Pharmacist
Clinical Generalist Pharmacist, James Cancer Hospital
Staff Pharmacist (contingent)
Clinical Generalist Pharmacist
Staff Pharmacist
Clinical Generalist Pharmacist
Outpatient Oncology Pharmacist
Staff Pharmacist, Patient Assistance
Outpatient Oncology Pharmacist
Outpatient Oncology Pharmacist
Outpatient Oncology Pharmacist

The Ohio State University College of Pharmacy
<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Hoffmann, Kelly</td>
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<td>Clinical Applications Pharmacist</td>
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<td>Shah, Vishal</td>
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<td>Warfield, Deborah</td>
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<td>Wetz, Karen</td>
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<td>Williams, Jacquelyn</td>
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<td>Yiu, Irene</td>
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<td>Zhang, Yuan</td>
<td>Staff Pharmacist</td>
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</tbody>
</table>

**Administrative Support**

- Kemper, Dorothy: Office Associate
- Kleinman, Lauren: Office Manager
- Trolli, Elizabeth: Residency Coordinator
**Overview**

**Finances**

**Total FY 2010 Expenditures = $22.8 Million**

**Total FY 2010 General Funds Expenditures = $13.5 Million**

**FY 2010 Revenue**

- Contracts: 34%
- Earnings: 2%
- Endowment & Scholarship: 1%
- General Funds: 4%
- Sponsored Research: 1%

Breakdown of General Funds:
- Tuition: 36%
- Subsidy: 17%
- IDCs: 6%

**FY 2010 Expenses**

- Benefits: 16%
- Equipment: 8%
- Fee Auths: 1%
- Salaries: 60%
- Supplies & Services: 15%

Approximately 84% of the budget is personnel.
Five funds have acquired fully endowed status in FY 2010:

- Gerald Hudec Scholarship fund
- Lloyd M. Parks and Irene M. Parks Professorship Fund
- Ream Family Scholarship Fund
- George and Betty Richards Endowed fund
- Popat N. Patil Scholarship Fund
- Suzanne Meyers Widing and Christopher G. Widing Scholarship Fund

A full listing of donors is available in the online edition, at go.osu.edu/2010copannualreport.
**Student Enrollment and Graduation Data**

Current Enrollment

- Entry-Level PharmD (ELPD)  521
- Non-Traditional PharmD (NTPD)  24
- Graduate Programs  78
- BS in Pharmaceutical Sciences  419

Graduates

- Entry-Level PharmD (ELPD)  116
  - 18 cum laude
  - 18 magna cum laude
  - 6 summa cum laude
- Non-Traditional PharmD (NTPD)  3
- Graduate Programs  26
- BS in Pharmaceutical Sciences  101
  - 11 distinctions and honors
  - 20 cum laude
  - 15 magna cum laude
  - 3 summa cum laude
Doctor of Pharmacy Programs

Entry-Level PharmD (ELPD)

This program prepares students for pharmacist licensure, embracing a patient-focused mission. Three years of didactic course work covering principles of pharmacetical, administrative, and clinical sciences and some pharmacy practice experience, followed by a full year of full-time professional experience, completes the program.

- Current enrollment - 521
- Retention exceeds 98% since 2004
- Incoming class statistics were:
  - 3.56 average GPA
  - Mean composite PCAT score in 80th percentile
  - Ohio residents - 66%
  - 57% completed pre-pharmacy studies at Ohio State

Non-Traditional Doctor of Pharmacy Program (NTPD)

This program allows for working pharmacists to earn their Doctor of Pharmacy degree through a distance learning program while continuing to work in the profession and maintain family life. The last class for this program was admitted in 2007.

- Current enrollment - 20
- Total NTPD graduates to date - 137
- Overall retention - 78%
- Average age - 40
- Average years since BS - 18
- OSU alumni - 48%
- Ohio residents - 85%

* A high average for a distance learning program
PharmD Professional Experience Sites

IPPE:
- 127 Pharm 664 students
- 124 Pharm 784 students

APPE:
- 116 Pharm 799 ELPD students
- 20 Pharm 799 NTPD students

1,147 Total student months
202,442 Total number of student hours
1,180 Approximate number of approved experiential preceptors

Preceptor Mentors of the Year (IPPE)
- Ruth Emptage, PharmD, CGP
  College of Pharmacy
- Shelley Miller, RPh
  CVS Pharmacy
- Morgan Jones, PharmD
  The Ohio State University Medical Center

Preceptors of the Year (APPE)
- Joe Craft, RPh
  Plain City Druggist (Plain City, OH)
- Joshua Jackson, PharmD
  Mt. Carmel West (Columbus, OH)
- Shawn Johnson, PharmD, MPH
  OSU Medical Center (Columbus, OH)
- Joy Lehman, PharmD
  OSU Medical Center (Columbus, OH)
- Jasen Livingston, PharmD
  Target (Naples, FL)

Rahd Ronald Smetana, MS
Summa Barberton Hospital (Barberton, OH)
Graduate Programs

The MS and PhD programs at the College of Pharmacy attract talented and motivated student across the globe to learn research skills and methodologies. These individuals help to carry out the college's teaching and research missions. Students advance research projects, bringing sharp insight and intellect to difficult research problems.

Studies in the disciplines of the pharmaceutical sciences. Because the scope of pharmaceutical sciences is so broad, our graduate program has six specialty areas of emphasis:

- Pharmacology (PhD)
- Medicinal Chemistry (PhD)
- Pharmaceutics (PhD)
- Pharmaceutical Administration (PhD)
- Translational Science (PhD)
- Health-System Pharmacy Administration (MS)

The Ohio State University is home to the largest pharmaceutical science program in the State of Ohio and is one of the largest programs in the health/life sciences area of the university.

Distribution of Graduate Students

<table>
<thead>
<tr>
<th>Specialty Area</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicinal Chemistry &amp; Pharmacognosy</td>
<td>29</td>
</tr>
<tr>
<td>MS in Health-System Pharmacy</td>
<td>9</td>
</tr>
<tr>
<td>Pharmaceutics</td>
<td>26</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>11</td>
</tr>
<tr>
<td>Translational Science</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>78</strong></td>
</tr>
</tbody>
</table>

Graduation Information

<table>
<thead>
<tr>
<th>Degree</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>15</td>
</tr>
<tr>
<td>MS</td>
<td>11</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>26</strong></td>
</tr>
</tbody>
</table>

Distribution of Graduate Students

- 38% Medicinal Chemistry & Pharmacognosy
- 34% MS in Health-System Pharmacy
- 15% Pharmaceutics
- 12% Pharmacology
- 1% Translational Science
TEACHING

Bachelor of Science in Pharmaceutical Studies

The undergraduate program in pharmaceutical sciences is a four year degree providing students with an introduction to the major areas of the pharmaceutical sciences as well as a general education. Graduates of the BSPS program will be prepared for graduate education, graduate professional education, or a health-related career. The pharmaceutical industry offers career opportunities in sales and marketing, drug research and development, quality assurance and professional services.

Total BSPS Enrollment 419
Average GPA 3.21
Honors Program 87 students

Undergraduate Research Participants
- Research Projects 44
- Denman Research Competition 6
- Pharmacy Research Day 8
- Summer Research Program 4

2010 BSPS Graduates 101
- summa cum laude 3
- magna cum laude 15
- cum laude 20
- Distinction and Honors 11

Early Admissions Pathway

The Early Admissions Pathway (EAP) provides advanced admission to the College of Pharmacy’s PharmD program for a select group of Honors freshmen entering Ohio State.

17 students were admitted to the 9th class of the EAP program. 18 students were successfully matriculated into the PharmD program during the 2009-10 school year.

“The advising for the College of Pharmacy is hands down the best advising I have seen in the entire university. The entire office is extremely helpful, kind, and knowledgeable and they have made my college experience more enjoyable!”

94% of the BSPS students who responded on a recent satisfaction survey agreed or strongly agreed they were satisfied with the academic advising made available by the College of Pharmacy.
Research, together with teaching and service, is a major activity of the College of Pharmacy at The Ohio State University. Faculty, graduate students, and some undergraduate, professional students, and staff are extensively involved in the exciting process of discovery and dissemination of knowledge. Pharmaceutical sciences extends well beyond the medication dispensing function of pharmacy to include all aspects of the discovery, development, and use of medicines. Our research activities cover an extensive array of areas within the umbrella of the pharmaceutical sciences.

Research Awards for FY2010 totaled over $9 million

FY 2010 Grant Revenue

The National Institute of Health Funding consists of the following breakdown:

- 53% NCI
- 15% NHLBI
- 13% NIAID
- 19% Others

Publications

Faculty authored or co-authored 178 peer-reviewed journal articles and book chapters. A complete list of our faculty publications for the period July 1, 2009 through June 30, 2010 is available in the electronic annual report. To access visit go.osu.edu/2010copannualreport.
**Research**

Two Ohio State Cancer Drugs In Clinical Trials Testing

For the second time within a year, an experimental drug invented by cancer researchers at The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute (OSUCCC-James) is being tested on patients in a clinical trial.

Adult patients began receiving doses of the potentially groundbreaking drug, which is designed to treat relapsed or treatment-resistant multiple myeloma, chronic lymphocytic leukemia or lymphoma, said Dr. John Byrd, associate director of clinical translational research at OSUCCC-James and a leukemia specialist who initiated the drug’s development with Ching-Shih Chen, an Ohio State cancer researcher and medicinal chemist.

The new phase I/IIa clinical trial will assess the safety and initial evidence of activity of the oral drug AR-42, which belongs to a new class of drugs called histone deacetylase (HDAC) inhibitors – compounds designed to reactivate genes that normally protect against cancer but are turned off by the cancer process. Ohio State is the only site worldwide accepting patients to the clinical trial, said Byrd.

“Early tests in cancer cell models showed that AR-42 is 10,000 fold more potent than the starting/parent agent,” said Chen, a professor of pharmacy, urology and internal medicine who holds the Lucius A. Wing chair of cancer research. In 2003, Byrd asked Chen to try to improve the potency of a short-chain fatty acid known to have a weak inhibitory effect against cancer growth. Chen worked with cancer center and pharmacy colleagues at Ohio State to develop the drug originally called OSU-HDAC42, a broad spectrum histone and non-histone deacetylation inhibitor (pan-DAC).

The agent has been licensed to the biopharmaceutical company Arno Therapeutics, Inc., for clinical development.

“It is exciting to see this very potent broad class I/II HDAC inhibitor enter the clinic for treatment of blood cancers and we look forward to generating meaningful clinical results from in this Phase I/IIa study,” said Byrd. “We are incredibly grateful to organizations that have supported this effort to bring this drug forward to our blood cancer patients.

Dr. Michael Grever, chairman of the department of internal medicine at Ohio State and co-leader of the Experimental Therapeutics program at OSUCCC-James, was instrumental in moving this experimental agent from bench to bedside.

The research was supported by funding from the National Cancer Institute, U.S. Department of Defense Prostate Cancer Program, Ohio State’s Comprehensive Cancer Center, Ohio State’s College of Pharmacy, Hearst Foundation, Prostate Cancer Foundation, Lucius A. Wing Chair, Stefanie Spielman Fund for Breast Cancer Research at OSUCCC-James, Susan G. Komen for the Cure, Leukemia & Lymphoma Society, MMORe, Harry T. Mangurian Foundation, Inc., and the D. Warren Brown Family Foundation.

Ohio State researchers involved in developing the novel agent include Sam Kulp, David Lucas, Dasheng Wang, Aaron Sargeant, Qiang Lu, Yen-Shen Lu and Po-Hsien Huang. OSUCCC-James hematologist and oncologist Dr. Craig Hofmeister is the principal investigator on the clinical trial.

Last August, Ohio State’s Comprehensive Cancer Center began enrolling patients in a clinical trial for AR-12, another anticancer agent designed by Chen and his team that also is being developed by Arno Therapeutics. AR-12 inhibits solid-tumor growth by triggering cancer cells to self-destruct.

Cancer researcher Ching-Shih Chen worked with cancer and pharmacy colleagues at Ohio State to develop the small-molecule agent, originally called OSU-03012. The agent is being developed as AR-12 by Arno Therapeutics, Inc., a clinical-stage biopharmaceutical company focused on oncology therapeutics.

“The new agent works by inhibiting PDK-1 and PI3k/Akt pathways, a fundamental signaling point in cancer cells, making AR-12 potentially effective in a wide range of cancer types,” said Chen. “We are very excited. As bench scientists, our goal is to see our research translated into the clinic.”

The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute (cancer.osu.edu) is one of only 40 Comprehensive Cancer Centers in the United States designated by the National Cancer Institute. Ranked by U.S. News & World Report among the top 20 cancer hospitals in the nation, The James is the 180-bed adult patient-care component of the cancer program at The Ohio State University. The OSUCCC-James is one of only seven funded programs in the country approved by the NCI to conduct both Phase I and Phase II clinical trials.

“We are encouraged by its preclinical activity, and feel that this molecule could have meaningful clinical implications in a variety of cancers,” said Caligiuri.
Faculty Awards and Recognitions

National Recognitions and Awards

Marialice Bennett
Elected President of the American Pharmacists Association (APhA)

George Hinkle
2010 APhA-APPM William H. Briner Distinguished Achievement Award in Nuclear Pharmacy Practice

A. Douglas Kinghorn
2010 Norman R. Farnsworth Research Achievement Award from the American Society of Pharmacognosy

Milap Nahata
2009 Paul F. Parker Medal for Distinguished Service to the Profession of Pharmacy
2009 Recipient of the Richard A. Helms Award of Excellence in Pediatric Pharmacy Practice

College/Regional Recognitions and Awards

Stuart Beatty
Sudden Cardiac Arrest Association Hero Award

Ching-Shih Chen
Distinguished Scholar Award, The Ohio State University

Dennis McKay
BSPS Teaching Award

Vinita Pai
Balshone PharmD Teaching Award

National Honors

11 Fellows, American Association for the Advancement of Science (AAAS)
Jessie L.-S. Au
Robert W. Brueggemeier
Kenneth K. Chan
Ching-Shih Chen
A. Douglas Kinghorn
Dennis B. McKay
Milap C. Nahata
M. Guillaume Wientjes
John M. Cassady (emeritus)
Popat N. Patil (emeritus)
Albert H. Soloway (emeritus)

16 Fellows, American Association of Pharmaceutical Sciences (AAPS)
Jessie L.-S. Au
Robert W. Brueggemeier
Kenneth K. Chan
Robert W. Curley
Sylvan G. Frank
William L. Hayton
A. Douglas Kinghorn
M. Guillaume Wientjes
John M. Cassady (emeritus)
Louis Malspeis (emeritus)
Robert E. Notari (emeritus)
Dev S. Pathak (emeritus)
Richard H. Reuning (emeritus)
Theodore D. Sokoloski (emeritus)
Albert H. Soloway (emeritus)

3 Fellows, American College of Clinical Pharmacology (ACCP)
Daren L. Knoell
Milap C. Nahata
Joseph F. Dasta (emeritus)

1 Fellow, American College of Clinical Pharmacy (ACCP)
Milap C. Nahata

2 Fellow, American Heart Association
Cynthia Carnes
Keli Hu

5 Fellows, American Pharmacists Association (APhA)
Marialice S. Bennett
Gerald L. Cable
George H. Hinkle
James W. McAuley
Milap C. Nahata

2 Fellows, American Society of Health-System Pharmacists (ASHP)
George H. Hinkle
Milap C. Nahata

1 Fellow, Heart Rhythm Society
Cynthia Carnes

1 Member, Institute of Medicine (IOM)
Milap C. Nahata

1 Member, Académie Internationale d'Histoire de la Pharmacy (AIHP)
Robert A. Buerki
STUDENT AWARDS AND RECOGNITIONS

GRADUATE AWARDS

Jack L. Beal Fellowship
Jie Li

Timothy D. Moore Award
John Woodard

Albert H. Soloway Graduate Endowed Fund in Pharmacy and Cancer Research
Dennis Shuo Wei

Donald T. Witiak Graduate Student Award Fund
Dalia Abdelhamid

Betty Ann Hoener Graduate Student Support in Pharmaceutics and Pharmaceutical Chemistry
Josephine Aimiuwu

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research from the National Cancer Institute (NCI)
Ana Azevedo

GRADUATE FELLOWSHIPS

Sylvan G. Frank Graduate Fellowship in Pharmaceutics and Pharmaceutical Chemistry
Tien-Lu Huang

Chih-Ming & Jane Chen Fellowship
Shanshan He

Nanoscale Sci & Engineering (NScE)
Yicheng Mao

Chemistry-Biology Interface Training
Chenguang Zhou

Eli Lilly Fellowship in Pharmaceutics
Lynette Bueno

Chemistry-Biology Interface Training Grant
Tong Shen

Doskotch Graduate Student Fellowship
Lynette Bueno Perez

Dev Pathak Drug Distribution & Public Policy Fund
Mark Bahar

Popat Patil Graduate Student Fellowship
Meg Kong

AFPE Fellowships
Brandon Henderson

Undergraduate Awards

American Institute of the History of Pharmacy Award
Laura Bohovic

BSPS Impact Award (new award for 2010)
Jonathan Lam

Faculty Award
Michael Enzerra

Pharmacognosy Award
Cory Vela

Summer Undergraduate Research Awards

Dar Burris (Biochemistry / OSU) with Dr. Daren Knoell
Matthew Dixon (Pharmaceutical Science / OSU) with Dr. Esperanza Carcache de Blanco
Kevin Kauffman (Chemical Engineering / OSU) with Dr. Kristy Ainslie
Yu Jeong Kim (Pharmaceutical Science / OSU) with Dr. Kristy Ainslie
Isaac Maison (Chemistry and Math / Morehouse) with Dr. Chenglong Li
Katie Rooney (Pharmaceutical Science / OSU) with Dr. Kari Hoyt
Lucas Serdar (Pharmaceutical Science / OSU) with Dr. Tom Schmittgen
Isaac Segun (Chemistry / Benedict College) with Dr. Jim Fuchs
College of Pharmacy Research Day 2010
RNA Therapeutics in Drug Discovery and Development

Terry S. Elton, PhD
Professor of Pharmacology
The Ohio State University
Columbus, OH
miRNAs and Down Syndrome

Eva van Rooij, PhD
Director of Biology and Scientific Co-founder
miRagen Therapeutics
Boulder, CO
Therapeutic Regulation of miRNAs in Cardiovascular Disease

Thomas D. Schmittgen, PhD
Associate Professor of Pharmaceutics
The Ohio State University
Columbus, OH
microRNA-Directed Therapies for Hepatocellular Carcinoma

Robert W. Brueggemeier, PhD
Dean and Professor of Medicinal Chemistry and Pharmacognosy
The Ohio State University
Columbus, OH
Selective Regulation of Aromatase Expression in Breast Cancer by RNAi

Distinguished Lecture Series

Jerry J. Buccafusco, PhD
Professor and Director
Alzheimer’s Research Center, Medical College of Georgia
Novel Therapeutics for Cognitive Impairment

Stephen H. Hughes, PhD
Director, HIV Drug Resistance Program
Chief, Retroviral Replication Laboratory
Head, Vector Design and Replication Section
National Cancer Institute (NCI)
HIV-1 Reverse Transcriptase: Drug Resistance and Drug Development
Ana Azevedo, a third year graduate student in the Division of Pharmaceutics, was recently awarded a Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research from the National Cancer Institute (NCI), a division of the National Institutes of Health (NIH).

“This award made it possible for me to become full-time in the lab sooner, allowing me to focus on my research,” said Azevedo, “The preparation of the proposal was also of great benefit to me. The intensive process helped me grow as a scientist and gave me insight into the current funding mechanisms. It is an honor to have NIH recognize my research and my achievements as a student with such a competitive award.”

Azevedo’s research will focus on microRNAs, a relatively new class of gene regulators that have been shown to affect cancer progression and metastasis. Specifically, the project aims to determine the role of an important oncogenic microRNA, mir-21, in pancreatic cancer. Pancreatic adenocarcinoma is one of the most lethal types of cancer and is approximately 99% fatal. Reasons for the high death rate from this cancer include limited detection strategies, poor treatment options, and the fact that by the time it is diagnosed, the cancer has metastasized. Therefore, better understanding of the mechanism(s) responsible for pancreatic cancer metastasis could lead to improved treatment options. The study will examine the effects of modulating miR-21 expression in pancreatic cancer cells focusing on invasion and metastasis phenotypes. Successful completion of the study will provide new information about microRNAs’ role in cell invasion/metastasis.

Thomas Schmittgen, PhD, associate professor and Azevedo’s major professor is pleased with her accomplishment.

“The F31 fellowships are extremely competitive and what makes Ana’s case even more notable is that it was awarded on the very first submission, something that is rarely achieved with NIH grants. This says a lot about Ana’s training thus far and her potential as an independent scientist.”

As part of the award, Azevedo will receive funding to cover tuition as well as a stipend to supplement the remainder of her graduate career.

Azevedo, born in Goiana, Brazil, relocated to the United States as a teenager with her mother who was pursuing a PhD at Ohio State. Ana became involved in research early, working as a laboratory assistant during her junior year in high school. Prior to coming to Ohio State, Azevedo earned her bachelor’s degree from the College of Wooster (OH), majoring in biochemistry and philosophy, where she was actively involved in many student groups. As a graduate student, she continues to participate in many organizations around campus including student government, University Senate, and the Graduate School’s Graduate Council. In the College of Pharmacy she is currently chair of the student chapter of the American Association of Pharmaceutical Scientists (AAPS), student representative in the Ohio State University Graduate Research Council, and was co-chair of the Pharmaceutics Graduate Student Research Meeting 2010.

The Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research provide up to five years of support for research training leading to the PhD or equivalent research degree, the combined MD/PhD degree; or another formally combined professional degree and research doctoral degree in biomedical, behavioral, health services, or clinical sciences. These fellowships enhance the diversity of the biomedical, behavioral, health services, and clinical research labor force in the United States by providing opportunities for academic institutions to identify and recruit students from diverse population groups to seek graduate degrees in health-related research. The overall goal of this program is to increase the number of scientists from diverse population groups who are prepared to pursue careers in biomedical, behavioral, social, clinical, or health services research.
2009-10 Outreach & Engagement Highlights

- Generation Rx – impressive engagement on a very important topic
- Faculty continued outreach activities with Kroger, Central Ohio Neighborhood Health Centers and Cardinal/LifeCare Alliance related to patient care and teaching
- Noteworthy educational outreach included:
  - Metro High School - First observational experience with junior student interested in pharmacy as career
  - Continuation of OSU and OU partnership
  - Clinical experiences for 2 Taiwan pharmacists/students
- Students involved with experiential education provided 12,850 hours of service related to community health
- Combined Ohio and ACPE CE offerings: 36 programs; 987 attendees; 10.54 CEU’s

Outreach Activity Areas Included:
- Clinical Practice
- Consulting/Advisory Services
- International Outreach
- Curriculum Outreach
- Medication Safety Outreach
- Professional Organization Outreach
- Continuing Education
- Volunteer Services

APhA-ASP
The Ohio State University Chapter of APhA-ASP had a productive year with a variety of programs and services.
- Hosting of Malaysian student through IPSF
- Educated or screened 6,301 Ohio citizens
- Donated $11,065.61 to various charitable organizations

Pills, Potions & Poisons
Pills, Potions & Poisons, a program aimed at high school students, provides students with an overview of pharmacology and its relationship to health, disease, and society. In the field of pharmacology, scientists study the interactions between drugs and the body and then apply what they have learned to the development of new drugs.
Schieber Presented with Champions Award

Alumnus, Larry Schieber, RPh, was named the first recipient of the 2010 Cardinal Health Generation Rx Champions Award for excellence in community-based prescription drug abuse prevention.

This award, which was presented at the Ohio Pharmacists’ Association (OPA) 132nd Annual Conference held in Columbus (OH), is presented to honor a pharmacist who has demonstrated excellence in community-based prescription drug abuse prevention. The award is intended to recognize outstanding efforts within the pharmacy community to raise awareness of this serious public health problem. It is also intended to encourage educational prevention efforts aimed at patients, youth, and other members of the community.

Generation Rx

The Generation Rx Initiative continues to build momentum as a new online toolkit, developed by The Ohio State University College of Pharmacy with funding from the Cardinal Health Foundation, aims to help pharmacists work with concerned citizens, local schools and civic organizations to fight this growing social health problem in their communities.

The new Generation Rx toolkit, available for free public download at go.osu.edu/generationrx, is a key component of a broader partnership between the two entities to increase public awareness of prescription medication abuse and to encourage health care providers, community leaders, parents, teens and college students to actively work to prevent it.

Developed with input from pharmacists, the Generation Rx toolkit contains the communications materials needed to educate local schools and community organizations about the scope and consequences of prescription medication abuse and misuse.

Partners for Promotion

Partner for Promotion is a collaboration of The Ohio State College of Pharmacy faculty and students with community pharmacists to provide training and guidance for implementing expanded patient care services to both students and community pharmacy preceptors, as well as develop a collaborative environment in which students and preceptors who are interested in creating and implementing expanded patient care programs in community pharmacies are partnered together to develop these programs.

The acquisition of grant funds from the Community Pharmacy Foundation allows the program to share the program model with five partnering colleges of pharmacy to assess the feasibility of adapting this model into various educational settings.
2010 Corporate Council

Russell R. Allinson, RPh, MS  
Principal  
Therigy, LLC  
Longwood, FL

Roger W. Anderson, DrPH  
Vice President & Chief Pharmacy Officer  
US Oncology  
The Woodlands, TX

Charles J. Bramlage  
President, Pharmaceutical Products  
Covidien  
Hazelwood, MO

Anne Burns, RPh  
Vice President, Professional Affairs  
American Pharmacists Association  
Washington, DC

Andrew M. Dahlem, PhD  
Vice President & Chief of Research Operations  
Lilly Research Laboratories  
Indianapolis, IN

Harold N. Godwin, MS, RPh  
Professor, Chair of Pharmacy Practice,  
Associate Dean of Pharmacy, Medical Center Affairs  
Kansas University  
Kansas City, KS

Maryann Kennedy  
Director, Medical Liaisons, Medical Affairs  
Roche Laboratories  
Nutley, NJ

Stephen B. Krinke, RPh  
Executive Director, Pharmacy Affairs & Trade Development  
Mylan, Inc.  
Morgantown, WV

John Long, RPh, MBA  
Senior Partner  
Pharma Systems Control, LLC  
Dublin, OH

John A. MacDonald, PhD, MBA  
CEO  
MacDonald Group  
Yarmouth Port, MA

Rob Mains  
Vice President, Pharmacy Services  
Safecor Health, RSC  
Woburn, MA

Robert E. Martini  
Chairman (Retired)  
AmerisourceBergen Corporation  
Orange, CA

Michael A. Nameth  
Executive Vice President, PBM  
Walgreens Specialty Pharmacy  
Carnegie, PA

Marcia I. Musgart  
President  
Nusgart Consulting  
Bethesda, MD

Robert R. Ruffolo, Jr., PhD  
President, Research & Development, Senior Vice President (Retired)  
Wyeth  
Collegeville, PA

William F. Sheridean  
Pharmacy Merchandiser  
Kroer Food & Drug, Columbus  
Westerville, OH

Mark A. Sirgo, PharmD, Council Chair  
President & CEO  
BioDelivery Sciences International  
Raleigh, NC

James Staker  
Owner (Retired)  
Staker Drugs  
Portsmouth, OH

Scott Streator  
CEO, Executive Director  
OSU Health Plan, Inc.  
Columbus, OH

Allan K. Vrable  
President & CEO  
Vrable Health Care  
Powell, OH

Jinn Wu, PhD  
President  
XenoBiotic Laboratories, Inc.  
Plainsboro, NJ
Alumni Society Governing Board Roster 2009-10

Officers
President                  Larry C. Schieber (BS 1981)
President-Elect           Kathy Nameth (BS 1980)
Vice-President            Barbara Ague (BS 1977)
Secretary                 Kimberly Like McDevitt (BS 1982)
Treasurer                 Joseph R. Sabino (BS 1968, MS 1984)
Immediate Past-President  Donald L. Bennett (BS 1970, MBA)
OSUAA Alumni Rep.          Thomas P. Sherrin (BS 1965, MS 1967)

District Representatives
1  Dale A. Bertke (BS 1985)
2  Kim M. Laughlin (BS 1985)
3  Michael Scott Ferrell (BS 1976)
4  Tiffany E. Kaiser (BS 1994, PharmD 2003)
5  Lonnie Joe Craft (BS 1995)
6  Jaime Capestany (BS 1998)

Student Representatives
Nnenna Anekwe, Alternate
Kelly McCormick, Chapter President, APhA-ASP
Patrick C. Owcarz, President, Pharmacy Council

Lifetime Member in Memoriam
Jack L. Beal (PhD 1952)
Robert W. Jones (BS 1948)
Josephine S. Failer (BS 1939)
Richard I. Wells (BS 1956)
Daniel B. Waitzman (BS 1943)

Honorary Lifetime Members
Charles W. “Bill” Ague (BS 1950)
Col. John J. Coughlin (BS 1956)
Lt. Col. Ralph V. Foster (BS 1956)

Out-of-State Representatives
AL  Robert P. Henderson (BS 1981, PharmD)
MI  Douglas A. Miller (BS 1972, PharmD)

Outreach & Engagement

Board Appointees
A. Joel Arnold (BS 1958)
Frank Sainato (BS 1958)
Col. Jerry F. Pierson (BS 1980, PhD 1997)
James W. Staker (BS 1956)
Distinguished Alumni Awards

Congratulations to the 2010 Alumni Award recipients. Honorees were presented with their award at the May meeting.

Recipients of the Distinguished Alumni Awards must have a professional degree (BS, MS, PharmD) from The Ohio State University College of Pharmacy, have made distinguished contributions in the fields of public health and public service, have performed outstanding activities in the interest of the college and its students, and have an outstanding record in the profession of pharmacy.

2010 Josephine Sitterle Failer Alumni Award
Brice E. Love (BS 2000, MBA)

2010 Jack L. Beal Postbaccalaureate Award
Douglas C. Cornelius (BS 1992)
Alan S. Katz (BS 1961)
Dhanawanti Sant (BS 1989, MD)
Mark A. Sirgo (BS 1977, PharmD)

2010 College of Pharmacy Distinguished Alumni Award
Jeffrey A. Bourret (MS 1982)
Cynthia Carnes (PharmD, PhD 1996)
Diane R. Mould (PhD 1990)
Robert J. Weber (MS 1982, PharmD 2010)
Appendix

Donor Listing
July 1, 2009 - June 30, 2010

$5,000 AND OVER
American Association of Pharmaceutical Scientists
American Foundation for Pharmaceutical Education
Amgen Inc
Avatar Foundation
Floyd G and Betsy P Bender
Howard N and Kathleen G Bockbrader
Cardinal Health Foundation
Cardinal Health Inc
John M and Nancy L Cassidy
Ceaphied
Chih-Ming J and Virginia C Chen
CVS Charitable Trust Inc
Giant Eagle Inc
Hartford Hospital
Adam C and Sheila M Thomas-Jackson
Lawrence D and Maryann Z Kennedy
Lilly Grant Office of Eli Lilly & Company
Pui-Kai Li
Medco Health Solutions Inc & Medco Health Affiliates
Nature's Sunshine Products Inc
NeoProbe Corporation
Patrick J and Brenda J O'Neill
OSU College of Pharmacy Alumni Society
Robert R and Stephany B Ruffolo
David A and Sandra L Smeenk
James W and Sally A Staker
Walgreens Corporation

$2,500 - 4,999
Academy of Pharmacy of Central Ohio Scholarship
Bill and Elma Ague
Joel and Jody Altschule
Eleanor G Bender-Lietz
Robert W and Susan Y Brueggemeier
Joseph A and Mary S Cusma
Shaaban F and Leticia J El Naggar
Givaudan Corporation
Kenneth M and Karen N Hale
Gerald J and Jody Hudec
David K Jones
Barry E and Ann M Klein
Kroger Pharmacy
Brandon S and Kelly D Lutz
Jerry S and Mary Marlowe
Larry and Beverly R Moore
Ortho-McNeil Janssen Scientific Affiliates Inc
James E Paolatti
Tiffany M Peoples
Pharmaceutical Business Solutions Inc
Greg L and Patricia A Beam
Thomas and Frances Scono
Mark A Sirgo
Alan and Linda Vrabie
Daniel B and Rita F Waitzman
Thomas E Whiston
Scott E and Teresa K Wilcox

$1,000 - 2,499
Barb Ague
American Pharmacists Association
American Society of Consultant Pharmacists
Research & Ed Fdn
A. Joel and Phyllis Arnold
Chris A and Linda F Bendinelli
Jon W and Marialice S Bennett
Stephen W Birdsall
Rafik and Pat Bishara
Bristol-Myers Squibb Company
Esperanza J Carcace De Blan
Lois B Chesney
Thomas J and Anne D Comstock
CVS Corporation
Daychem Laboratories Inc
Eurand America Inc
John F Edynek
Maria C Fowler
Larry Galluzzo
Givaudan Flavors Corporation Matching Gifts Program
Adelle W Gross
Leon D and Susan F Kessel
Amol S and Vaishali Ketkar
Daren L and Karen R Knoll
Donald O and Nancy D Lamport
James P and Barbara D Leyda
NACDS Foundation
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