About the Annual Report

The University of Iowa College of Pharmacy publishes the Annual Report once every year for its alumni and friends. If you are using Internet Explorer, it is best viewed in IE9 or greater.

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To receive a printed copy of the truncated version of this Annual Report, please contact Leslie Box

The Annual Report Team

Dean
Donald E. Letendre

Director of Communications, Advocacy & Alumni Relations
Barbara Kelley

Art Director
Leslie Box

Writers
Anne Duggan, Dawn Goodlove, Anne Matthes
Dear colleagues and friends,

Without question, our college has long played a role as a leader in pharmacy research, education, and service. From a modest start with a single faculty member in Iowa's first pharmacy education program, today the faculty educate almost 600 PharmD, master's and PhD students, carry out cutting-edge research, are frontrunners in pharmaceutical care, and are leaders in our community. The celebrations in 2010-2011 around our 125th anniversary strengthened our bonds within the University community, with faculty, alumni, and friends.

As we closed out our celebration of very special and meaningful anniversary festivities, I was humbled at how many students, faculty, staff, alumni, and friends took part and gave of their time, talents and resources. Faculty and staff graciously supported a 10-month media campaign with the Iowa Public Radio, helping to inform all Iowans of our long, robust history. Our colleagues supported us with donations, by attending the university-wide campus and community reception at Kinnick Stadium's Paul W. Brechler Press Box, and our very special 125th Anniversary Gala attended by more than 200 guests. Our academic divisions planned and executed six anniversary seminars, inviting distinguished alumni and colleagues to present on enlightening and engaging topics. It truly was a year to remember.

Perhaps most significant was the inception of the 1885 Society. The 1885 Society is a recognition club that builds on a long and rich history of high-quality education and training by providing unique opportunities for mentoring and professional development.

Sincerely,

Don
Current Administration

Donald E. Letendre, PharmD
Dean and Professor

Bernard Sorofman, PhD
Executive Associate Dean and Chair
Department of Pharmacy Practice and Science

Michael Duffel, PhD
Associate Dean
Graduate Education and Research

Michael Kelly, PharmD, MS
Associate Dean
Professional Education

Hazel Seaba, MS
Associate Dean
Assessment Curriculum and Compliance

Kathy Rinehart, PharmD
Assistant Dean
Veterans Affairs

Kevin Moores, PharmD
Director
Drug Information Pharmaceuticals

CoraLynn Trewet, PharmD
Director
Continuing Education

Jay Currie, PharmD
Division Head
Applied Clinical Science
Department of Pharmacy Practice and Science

William Doucette, PhD
Division Head
Health Services Research
Department of Pharmacy Practice and Science

Robert Kerns, PhD
Division Head
Medicinal and Natural Products Chemistry
Department of Pharmaceutical Sciences and Experimental Therapeutics

Maureen Donovan, PhD
Division Head
Pharmaceutics and Translational Therapeutics
New Faculty

Heather Bream-Rouwenhorst, PharmD
Assistant Professor (Clinical)
Division of Applied Clinical Sciences
Department of Pharmacy Practice and Science

Kate Oltrogge, PharmD
Assistant Professor (Clinical)
Division of Applied Clinical Sciences
Department of Pharmacy Practice and Science

Stuart Pitman, PharmD
Assistant Professor (Clinical)
Division of Applied Clinical Sciences
Department of Pharmacy Practice and Science
Brandon Vakiner, PharmD
Assistant Professor (Clinical)
Division of Applied Clinical Sciences
Department of Pharmacy Practice and Science
2011 brought many organizational changes to the College of Pharmacy to accommodate the growing demands on its educational mission, as well as to increase opportunities in drug discovery and development.

The creation of UI Pharmaceuticals came to fruition, which is the merger of the Center for Advanced Drug Development and the Division of Pharmaceutical Service, the most experienced university-affiliated FDA-registered drug manufacturing facility in the U.S. UI Pharmaceuticals offers a consolidated yet comprehensive range of services that can more readily address the varied and ever-changing needs of its customers.

On the academic side, three longtime divisions were transformed into two departments: Pharmacy Practice and Science and Pharmaceutical Sciences and Experimental Therapeutics. The new departments are defined by their primary areas of interest, although research plays a significant role in both. Investigators in Pharmacy Practice and Science study patients, providers, and the services that connect them; Pharmaceutical Sciences and Experimental Therapeutics is primarily comprised of lab-based research by faculty focused on new drug development and translating laboratory findings to directly benefit patients.

The PharmD curriculum is evolving as well to prepare students for their professional roles as members of the health care team. The new curriculum will be patient-centered and student-learning focused while threading essential pharmaceutical science throughout courses. With practicing pharmacists more involved in medication choices, monitoring outcomes, and counseling patients on medication use, the college is exploring ways to further develop students’ problem-solving and critical-thinking skills. By focusing on these essential areas, future pharmacists can apply newly understood findings to positively impact patient care.

More active learning through teacher-student dialogue and hands-on practice is replacing the traditional lecture, especially as technology provides alternatives to the lecture for information sharing.

Adjustments in national accreditation standards increased the required hours of Introductory Pharmacy Practice Experience and spread the practice-based opportunities over four years. Students gain additional experiential learning through required hours of service learning and professional development.

Going forward, the college is considering moving more basic science courses—biochemistry, and pathology—into the pre-pharmacy years; establishing foundational courses focused on pharmaceutical sciences and practice; instituting cultural awareness and service learning; implementing case-based exercises earlier in PharmD courses; making fourth-year rotations more flexible, which could increase dual-degree possibilities; and requiring a capstone project for greater exposure to scientific methodology as well as to improve oral presentation skills.

These changes will deliver a pharmacy education that responds to the future needs of the health care system.
Class of 2011

Shaping the Future
Class of 2011
Scholarships
Research Highlights

Eric Alden
*Sammuel Anderegg
Bryan Anderson
Christopher Arp
**Michelle Baltes-Breitwisch
Kyle Barnes
Jordan Bayes
Jennifer Bongartz
*Alyson Boyd
Michelle Brandon
Benjamin Breitbach
Aarion Brown
*Martin Bruck
Cary Burmeister
*Hillary Charmichael
*Ashley Copes
Kanghee Derocher
*Kristi Dimke
Theresa Dorsey
Elliott Duvall
Jared Ehresabian
Rachel Elsey
*Nathan Evers
Marci Forrest
Jonathan Fransen
Elizabeth Frazier
Jacqueline Fuhr
**Christina Gaard
Mark Gardalen
Brian Gellenbeck
Katie Genkinger
Lucas Gittings
Arlo Goodell
Andrew Greibrok
Meghan Griffin
Ashley Haake
Jacob Hanken
Mary Hanson
Bryce Hawk
*Audra Hudrlik
Samuel Huff
Tessa Huff
*Alyssa Huinker
*James Ide
Shalnam Jivanjee
Daniel Johnson
Sara Kehe
Lindsey Knapp
Kristin Knight
Amber Koblika
Zachary Kotowski
Brittany Krebbl
Kelli Kruthoff
Sarah Lewis
Erin Lydon
Stephanie Malenfant
Jennifer Markham
Dana McDougall
**Kelly McLeese
Anna Meyer
Robert Moas
Jamie Naig
Amy Nellis
*Dana Newman
**Bradley Olcott
Ofeka Olvera
Emeka Onwuameze
**Kelli Paul
Amber Pavlovic
Anna Peck
Julian Peters
*Sara Petersen
Samantha Peterson
Austin Philipp
*Wesley Pilkinson
Kelly Richeal
Abby Richman
Kimberly Riggen
*Timothy Rockey
Ashley Roder
*Rachel Rypel
Kevin Schleich
***Cara Schmale
Saida Shakl
Randy Shaw
Colleen Simmons
Kyle Slings
Matthew Sommers
*Stacy Sommers
Kelly Strome
Candice Sturges
Ben Sulti
Sangeeta Tandon
Farah Towfic
Ryan Van Engel
*Joel Van Heukelom
Michael Versackas
Nathan Vorac
**Alicen Wagenbach
Adam Weinkauf
Danielle Wentziaff
Emily Willie
Stephen Wong
*Susan Yagla
Kathryn Zeier
Tian Zhang
***Bryan Zobeck
*With Distinction
**With High Distinction
***With Highest Distinction
### Scholarships

**2010-2011 Doctor of Pharmacy Donor Awards**
- Seymour M. Blaug Memorial Scholarship
- Ilse Buckner Memorial Scholarship
- Burroughs-Wellcome Scholarship
- David and James Carlson Scholarship
- Jordan and Jana Cohen Doctor Of Pharmacy Scholarship
- Vernon Conzemius Memorial Scholarship
- Ben M. Cooper Memorial Scholarship
- CVS Pharmacy Scholarship
- John and Margo Daniel Scholarship
- Max Eggleston Memorial Scholarship
- Charles Gregor Award
- Alice Gates Coxon Memorial Scholarship
- Lori A. Grimes Memorial Scholarship
- Gary Hadley Scholarship
- Dick and Brenda Hartig Scholarship
- Thomas D. Hill Memorial Scholarship
- Janet Hinderliter Scholarship
- Frances T. and Charles Holub Scholarship
- Iowa Pharmacy Foundation Scholarship
- RA Kuever Scholarship
- Ernest Kyle Memorial Scholarship
- Ronald P. Madden Scholarship

**2010 - 2011 Doctoral Student Donor Awards**
- Keith Guillory Pharmaceutics Graduate Fellowship
- Flanagan/Guillory/Matheson/Wurster Pharmaceutics Graduate Fellowship
- John L. Lach Memorial Scholarship

### Shaping the Future

**Class of 2011**

**Scholarships**

**Research Highlights**
Charles J. Malecek Scholarship
McQuery Brothers Scholarship
Carleton R. Mikkelsen Scholarship
Miller-Ruegnitz Scholarship
NACDS Foundation Pharmacy Partners Scholarship
Petersen Linder Scholarship
Pharmacists Mutual Scholarship
Pharmacy Student Aid Scholarship
Quad City Area Pharmacy Association Scholarship
Sattler Family Scholarship
Scherling Scholarship
Schlumberger Scholarship
Chuck and Jacqueline Schwenke Scholarship
Gordon H. Sheffield Scholarship
ShopKo Scholarship
Shutt Pharmacy Scholarship
H. Curtis Snyder Award
Supervalu Pharmacies Scholarship
Wilber J. Teeters Scholarship
Teeters Scholarship and Teeters-Wahl Scholarship
John S. Thor Memorial Award (Nash)
Colonel Thomas C. Veach Class of 1952 Scholarship
Wal-Mart Scholarship
Zopf Memorial Scholarship
John D. and Bets Zuehlke Scholarship
Research Highlights

UI College of Pharmacy faculty are pursuing research that could affect the way drugs work, influence pharmaceutical manufacturing and the practice of pharmacy, and transform health care in general.

Several investigators are studying ways to get helpful drugs into areas of the body where natural safeguards are designed to keep out foreign substances, no matter how beneficial they might be. Aliasger Salem, PhD, is fabricating drug and gene delivery systems for vaccines to treat and prevent melanoma and prostate cancer. Jennifer Fiegel, PhD, designs medical aerosols for lung diseases, which could advance treatments for asthma and influenza. Maureen Donovan, PhD, is tackling ways to enable drugs to bypass the blood-brain barrier, a multi-component biological barrier that limits the transfer of drugs from the blood into the brain where they can treat diseases of the central nervous system.

In clinical research, Michael Ernst, '97 PharmD, who holds a joint appointment in family medicine in the UI Carver College of Medicine, studies diuretic use in patients with high blood pressure, as well as the potential role of aspirin in maintaining health and reducing cognitive decline in older adults.

The success or failure of drug interventions often is determined by genetic variations among patients. UI pharmacy faculty, including Daryl Muny, '87 BSPh, '91 PharmD, and Mahfoud Assem, PharmD, PhD, are studying how a person's genetic makeup affects his or her response to cancer medications.

Other pharmacy investigators, like Lee Kirsch, PhD, seek to improve pharmaceutical manufacturing processes that could bring drugs to market faster and better ensure their quality and safety.

Focusing on health care delivery, Barry Carter, '78 BSPh, PharmD, the Patrick E. Keefe Professor in Pharmacy with a joint appointment in family medicine in the UI Carver College of Medicine, studies pharmacist-physician collaboration in treating high blood pressure. His research has shown this team approach improves outcomes and could be applied to other chronic conditions, which might help in controlling health care costs.

In related research, William Doucette, PhD, studies how pharmacists, especially in the community, can contribute to improved medication use, through medication management and other emerging roles and services.

And John Brooks, PhD, deputy director of the Healthcare Effectiveness Research Center in collaboration with the UI College of Public Health, researches a hot topic among health care policy makers: comparative effectiveness. His studies of treatment effectiveness research in several clinical areas, including breast cancer, prostate cancer, lung cancer, non-Hodgkin's lymphoma, end-stage renal disease, and acute nursing care, could impact whether treatments clinically supported for one patient population should be extended to other patients.
1885 Society Recognizes Donors

Annual support at every level is crucial to maintaining the quality of the UI College of Pharmacy's programs. In recognition of 125 years of existence, the college established a new honor club to recognize individuals who provide generous annual support. In 1885 the "State University of Iowa" (UI's original name) began to educate pharmacists through its newly established College of Pharmacy. In tribute to that very significant chapter in our past, the college embarked on a very exciting new initiative...the creation of the '1885 Society'.

The 1885 Society is an opportunity to continue the college's long history of outstanding education and training by linking students to distinctive opportunities for mentoring and professional development.

Members of the 1885 Society participate in the White Coat Ceremony, incoming students' welcome to the profession; contributed to mentoring opportunities with students; and support programs geared to student-leadership development. In addition, members of the 1885 Society will work with the College to fulfill its goal of becoming the first in the nation to have all of its students become active members of the Iowa Pharmacy Association. In its first six months, the 1885 Society gathered more than 250 members.

Membership in the 1885 Society is based on giving at one of four different levels:

1885 Society Boerner Founders Level, recognizing givers of $1,885 or more, named in honor of the college's founding dean
1885 Society Cooper Legacy Level, recognizing givers of $1,000 through $1,884, named in honor of Zada Cooper, the college's first female faculty member (and one of the first in the nation)
1885 Society Zopf Leadership Level, recognizing givers of $500 through $999, named in honor of Louis Zopf, one of the college's most beloved deans, who oversaw construction of the first College of Pharmacy building on the west-side health sciences campus.
1885 Society Apothecary Guild Level, recognizing givers of $185 through $499, named in honor of all pharmacists.
Alumna Mentors Future Pharmacists

When she was a student, Linda Nightingale, '66 BSPh, was fortunate to have guidance from practicing pharmacists in her family, as well as her friend Bernie Cremers, '64 BSPh, her co-worker at an Iowa City drugstore.

"I talked with them often about pharmacy and the opportunities available," she says of sister Ann Marcalus, '60 BSPh, and her husband, Fred Marcalus, '60 BSPh. "And Bernie was a very supportive and positive influence in my life. I still call Bernie occasionally to discuss issues."

Today, Nightingale is in the role of mentor. She has experience in a variety of pharmacy settings and now owns three Iowa pharmacies: The Prescription Shoppe in Dyersville and in Monticello, plus Union Family Pharmacy in Dubuque. With her broad expertise, she's a natural to participate in the UI College of Pharmacy's new initiative to connect alumni and friends of the college with entering students to build connections that can last through their four years of study and beyond.

Nightingale was paired with first-year students Savana Novak from Ridgeway, Iowa, and Landon Nardini from Waterloo. Nardini joined Nightingale at a pizza party organized by the college, and both students participated in the white coat ceremony in August, where Nightingale presented each with a small mortar and pestle clock.

"I asked them to remember how time passes quickly, and to enjoy and make the best use of their time while they are in pharmacy school. I'm looking forward to watching as they progress through the College of Pharmacy, and to taking part in some small way in their adventure," she says.

Novak anticipates getting better acquainted with Nightingale through emails and other encounters.

"I'm excited for the opportunity to have a professional mentor while in pharmacy school, and I'm even more excited to have someone as great as Linda," Novak says. "I can certainly see Linda being someone who will help me along the way during the next four years."
### Professional Mentors

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<thead>
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<th>2010</th>
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<td>Paul Abramowitz</td>
<td>Mary Beth Adam (McGinnis)</td>
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<td>Mahfoud Assem</td>
<td>Gary Albers</td>
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<td>Bill Baker</td>
<td>Bruce Alexander</td>
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<td>Amy Becker</td>
<td>Mike Andreski</td>
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<td>Brett Barker</td>
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<td>David Carew</td>
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<td>Brenda Carmody</td>
<td>Barry Carter</td>
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<td>Christine Catney</td>
<td>Liz Chang</td>
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<td>Jay Currie</td>
<td>Gary Christensen</td>
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<td>Jonathan Doorn</td>
<td>Todd Christians</td>
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<td>Bill Doucette</td>
<td>Jon Clingman</td>
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<td>Vern Duba</td>
<td>Bernie and Cherie Cremers</td>
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<td>Michael Duffel</td>
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<td>Jennifer Fiegel</td>
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<td>Jim Hoehns</td>
<td>Lucinda Harms</td>
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<td>Casey Villhauer</td>
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<td>Ryan Jacobsen</td>
<td>Harold Jackson</td>
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<td>Sandra Johnson</td>
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<td>Mary Koerperick</td>
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<td>Amanda Latta</td>
<td>Julie Kuhle</td>
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<td>Dean Donald E. Letendre</td>
<td>Craig Logemann</td>
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<td>Ed Maier</td>
<td>Steve Martens</td>
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<td>Lisa Mascardo</td>
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<td>Deanna McDaniel</td>
<td>Lloyd Matheson</td>
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<td>Gary Milavetz</td>
<td>Laura McGonigle</td>
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<td>James Miller</td>
<td>Linda Nightingale</td>
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<td>Marilyn Osterhaus</td>
<td>Brandon Patterson</td>
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<td>Eric Paulus</td>
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<td>Mary Starry</td>
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<td>Natalie Tarkett</td>
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<td>Coralynn Trewet</td>
<td>Traviss Tubbs</td>
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<td>Chris Tuetken</td>
<td>Debbie Veale</td>
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<td>Susan (Staggs) Vos</td>
<td>Emily Vyverberg</td>
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<td>David Weetman</td>
<td>Katie Waack</td>
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<td>Mick Wells</td>
<td>Jenny Wick</td>
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<td>Lynette Wickman</td>
<td>Lynette Wickman</td>
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<td>Randy Yeates</td>
<td>Matthew Wiltry</td>
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Financials

The college’s budget was able to be fairly maintained in FY10 and FY11 given modest tuition increases and an increase in research revenue. The General Fund was decreased due to reallocation and budget reversion as the economic recession continues to pass through the state. Grant and Contract revenue reflect the increase in faculty research productivity. As we look ahead, the level of state support for higher education is something that we continue to monitor carefully. Extramural grants and contracts will continue to provide challenges and opportunities for our faculty. We are moving aggressively to increase private and corporate giving to enhance program support, establish endowments to keep faculty salaries at competitive levels and providing students with scholarship and fellowship support.

College of Pharmacy Foundation Finances

View all College of Pharmacy Foundation Finances (PDF)