

# Pharmacy Bulletin

Fall 2004

Idaho's College of Pharmacy



*Idaho's higher education to benefit from research funding*

## ISU Pharmacy receives federal grant

The presidents of Idaho's three public universities jointly announced in August the largest single educational and research grant in state history to forge stronger partnerships among the state's universities, colleges and biomedical research centers.

The \$16.1 million grant from the National Institutes of Health established the IDeA Network for Biomedical Research Excellence. INBRE draws together nine Idaho higher education institutions and

two research centers.

"The cooperation among Idaho's educational institutions helps address vital biomedical research questions and prepare students for careers that will make a difference. Our ability to educate outstanding medical professionals is well known. This network will increase our biomedical research capacity," said Idaho State University President Richard Bowen, one of the three university presidents gathered on

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*ISU President Dr. Richard Bowen discusses the INBRE grant at an August press conference at ISU. Joining Dr. Bowen are University of Idaho President Dr. Tim White, left, and Boise State University President Dr. Bob Kustra.*



*INBRE members, left to right, Dr. William Fyffe, biology professor, Northwest Nazarene University, Dr. Juile Thom Oxford, Boise State University biology professor and Dr. Chris Daniels, ISU College of Pharmacy professor and Pharmaceutical Sciences chair, listen during the press conference announcing the \$16.1 million NIH grant for Idaho.*

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*A message from Dean Joseph F. Steiner*

# Fall season brings some changes, preparations for self-evaluation

Dear Friends,

This fall has been a busy time around your College of Pharmacy. We have started the third year of the new curriculum for the professional degree and for the first time, we have third-year students in Boise. Both of these endeavors are progressing very well.

Fifty-six students began their first professional year with an orientation and White Coat Ceremony in August. During the first week in October, we held a very successful Pharmacy Fair with recruiters from 31 companies making the trip to "Poky" to meet the students.

There was a University-wide accreditation visit the second week in October. The University self-study was completed under the very capable leadership of Dr. Barbara Adamcik, a College of Pharmacy faculty member. You may recall that Dr. Adamcik is in her second year as Assistant Vice President for Academic Affairs. The College's accreditation visit is scheduled in March of 2005 and we are currently preparing our self-study.

I wanted to say a few words about our accreditation visit and why it is so important. Most of you know that in order to obtain a license to practice pharmacy, each state requires the person to be a graduate of an accredited program. More importantly, accreditation is the way we show the public that our professional program is judged to meet established qualifications and educational standards.

The purpose of the accreditation process is to provide a professional judgment of the quality of a college of pharmacy's professional program and to encourage continued improvement. In the United States, the Accreditation Council for Pharmacy Education (ACPE) is the accrediting body for continuing education and professional programs. ACPE will send a team to meet with faculty, administrators, staff, students and local practitioners to evaluate our program.

In writing our self-study, the College's faculty is taking a close look at how we accomplish our mission and meet our goals and objectives. There are eight standards to be addressed ranging from financial and physical plant to students, faculty and curriculum. The self-study provides an in-depth look at us. This is a time when we can reflect on where we have been and determine where we are going. If you are interested in the process, I invite you to take a look at the first draft of our self-study on our web

site at <http://pharmacy.isu.edu/live/committees/accred/index.htm>. Your comments would be appreciated.

Regards,

Joe

Joseph F. Steiner, Pharm.D.  
Dean and Professor



# ISU College of Pharmacy residencies have presence in Boise-area hospitals

The physician residency training program at the Idaho State University College of Pharmacy has expanded to nine residents in each class of the three-year training program.

The residency has a significant presence in all Boise hospitals, with residents spending time on different rotations with St. Alphonsus Regional Medical Center, St. Luke's Regional Medical Center, the Boise Veterans Administration Hospital and other health-care facilities in the Treasure Valley. While residents are in training, the amount of knowledge they accumulate, synthesize and apply is overwhelming.

My duties include making sure residents receive the appropriate background information about medications. My teaching time with physicians is structured in teaching rounds with our medicine service in St. Alphonsus.

I also conduct formal noon didactic presentations, and my office, in the center of our clinic, offers an "open-door, walk-in and ask questions" policy.

Pharmacy students on rotation are paired with physicians in the hospital and provide all drug information for physicians and patients. Thus, the students have the opportunity to be held accountable for the pharmacy-related needs of the physicians and the physicians receive timely drug information.

Pharmacy student activities in our clinic are directed toward outpatient drug management concerns. Students also assist with "refill requests," a clinic activity most pharmacists don't

think about after a fax has been sent.

The ISU Boise-based College of Pharmacy presence continues to expand.

Dr. Glenda Carr, assistant professor, has established sites at Terry Reilly Health Systems in Nampa, and Dr. Cathy Oliphant, associate professor, has established services for St. Luke's Internal Medicine Physicians Group, while Dr. Chris Johnson, clinical assistant professor, is establishing services for St. Alphonsus Regional Medical Center. Pharmacy residencies have expanded with my residents providing activities for our Ryan White HIV clinic, Idaho Critical Care, Terry

Reilly Health Systems, and Medical Clinic Pharmacies in Caldwell.

Additional residencies are available in primary care at the VA and St. Alphonsus Medical Center, and in geriatrics, infectious disease, and psychiatry at the Boise VA.

One of the most dramatic changes in Boise this year is the curricular revisions implemented a few years ago that now allow third-year pharmacy students to complete the entire year in Boise.

This has been accomplished with extensive use of telecommunications. Most practicing pharmacists were not taught with this media; however, in most university settings and programs, this is becoming the norm.

*Roger Hefflinger, Pharm.D., is an assistant professor with the College of Pharmacy at the Boise campus. He also has been working with the Family Practice Medical Center of Idaho Inc. since the summer of 1987.*



## Faculty Spotlight:

# Associate Dean Paul Cady, Ph.D.



When Associate Dean Dr. Paul Cady began his tenure with the ISU College of Pharmacy in 1990, his career direction changed from hospital pharmacy administration to higher education.

While working on his master's degree at the University of Arizona, he served as a teaching assistant and found his forte.

"I truly enjoyed the opportunity to teach," he said. "It just goes to show you, while you head in one direction, life takes you in another."



Cady continued his studies at UA, earning a Ph.D. in pharmacy administration.

Since joining the ISU faculty, he has served as assistant professor, interim associate dean, associate professor, pharmacy administration graduate program

director, and interim dean, and he has been associate dean since 1999.

Although Cady's areas of expertise are pharmacy administration and pharmaco-epidemiology/economics, knowledge which helped him and others from the College of Pharmacy earn the prestigious Rufus A. Lyman Award in 1998, many colleagues also point out his passion as a student advocate.

"I really enjoy working with the students," he said. "I enjoy welcoming them into the profession and seeing them begin their careers. Going into a pharmacy and visiting with former students and hearing about their success is great."

In addition to his duties as associate dean, he continues to spend plenty of time in the classroom. One of the highlights of his relationships with each class is commencement.

"Every graduation I look at the graduates and give thanks for the privilege of getting to know and work with wonderful, good people," he said. "It is an honor to be part of their education."

Outside the College, Cady's passion is focused on his family. He and his wife, Merriann, are the parents of five children and have a grandson, and the family will have a new addition when son Michael and his

wife, Angela, become parents in December. Their daughter Mariam and her husband, Kent Black, are the parents of Dane.

Son Joshua and daughter Elizabeth are still in the nest, while daughter Amanda Harrison (Kody) has begun studying pharmacy at ISU.

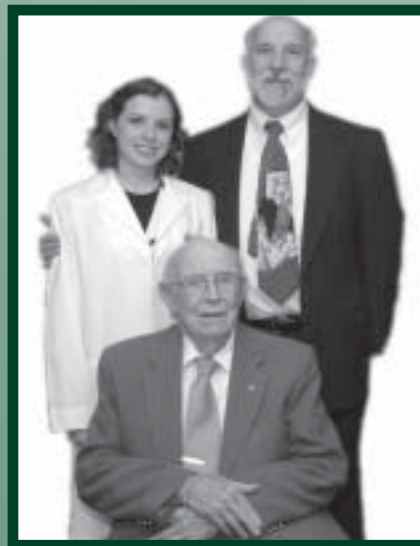
Amanda is the third-generation Cady to choose the pharmacy profession. Cady's father, Tom, is a successful, retired pharmacist residing in the associate dean's home state of Arizona. A 1941 graduate of the University of Nebraska, Tom Cady served at a military hospital in Panama for five years before becoming proprietor of his own business in Gilbert, Ariz.

"I took my first steps in that store," Cady said. "I watched my father take care of people in that town."

Tom continued his career in hospital pharmacy and relief work for the Indian Health Service. He served two terms on the Arizona Board of Pharmacy and as president of the Arizona Pharmacists Association.

Not only did his father influence Cady's career, but much of his success, he says, also goes to the support of his wife, Merriann.

"I owe a great deal to my sweetheart, my dear wife for making me who I am," he said. "She was willing to put up with years of married-student housing, living in a two-bedroom apartment with four children while I returned to graduate school."



*At right, Dr. Paul Cady, his daughter and first-year ISU pharmacy student, Amanda Harrison, and father Tom Cady, also a pharmacist.*

# Bailey, Selvage join pharmacy faculty

Two new faces recently joined the ISU College of Pharmacy faculty. Drs. Jason Bailey and Daniel Selvage are teaching courses in pharmacy practice and administrative science, and pharmaceutical sciences, respectively.

Jason M. Bailey, Pharm.D., a clinical assistant professor in the Department of Pharmacy Practice and Administrative Sciences, earned his Doctor of Pharmacy degree from ISU in 2003. Following graduation, he served an ambulatory-care residency with the Blackfoot Medical Center under the direction of pharmacy faculty member John Erramouspe, Pharm.D. While there, Bailey held disease-state management clinics, gave seminar presentations to physicians, and recommended appropriate pharmacotherapy.

During his residency, Bailey supervised ISU pharmacy students attending clinical rotations at the medical center.

“I feel that I benefited tremendously from my experience as a resident,” he said. “This experience set the stage for my entire pharmacy career. I would strongly recommend all students participate in the pharmacy residency of their choice to better prepare them for a more fulfilling

career in the practice of pharmacy.”

Some of his duties at the college include overseeing and teaching in the dispensing laboratory.

Landing a faculty position with his alma mater wasn't in Bailey's career plans; however, he said, the opportunity to work at the College is rewarding.

“While attending ISU College of Pharmacy, if anyone had told me I would go the route of academia, I never would have believed it for a moment,” Bailey said. “However, achieving a faculty position here has been a truly rewarding experience and I feel as though I have found the professional setting that suits me best. I can honestly say I look forward to going to work each and every day and feel a sense of accomplishment and satisfaction at the end of the day.”

Bailey and his wife, Kathy, are the parents of a two-year-old daughter, Libby, and are expecting their second child this month. While not teaching at the College, he enjoys spending time with his family, fishing, hunting and training his two black Labrador hunting dogs.

Dr. Dan Selvage joins the College of Pharmacy after serving as a postdoctoral research associate with The Salk Institute,

Laboratory for Peptide Biology in La Jolla, Calif.

“I'm very happy to be here and I'm looking forward to both doing research and teaching at ISU,” he said.

At The Salk Institute, his research focus included investi-

gations into the functional and anatomical aspects of a neural brain-testes pathway that bypasses the pituitary to regulate testosterone synthesis and secretion.

Selvage earned his Ph.D. in Pharmaceutical Sciences from the University of Montana, Missoula, in 2001. While there, he held positions including graduate student/research assistant, teaching assistant, and head teaching assistant.

A published scientist, his research includes articles and abstracts in *Endocrinology*, *Journal of Neuroendocrinology*, *Society for Neuroscience Abstracts*, and others.

Selvage is married to Mei Yang, a software engineer/database designer for IBM.

When not conducting his faculty duties at ISU, he enjoys running, cycling, fishing, and most any other outdoor activity, he said.



# Students inducted into professional program during 3rd Annual White Coat Ceremony

First-year Doctor of Pharmacy students were inducted into the ISU College of Pharmacy professional program during the 3<sup>rd</sup> Annual White Coat Ceremony held Aug. 19 during P-1 Orientation Week.

Dean Joseph Steiner, pharmacy faculty, students and representatives from professional organizations welcomed the students to the study and ultimately, the practice of pharmacy.

“The white coat signifies the student’s first step into the profession of pharmacy,” Dean Steiner said. “They don the white coat as a symbol of that step and they sign the pharmacist code of ethics. It is emphasized that once they become a pharmacist, they will always remain part of this profession.”

Dr. Cynthia Culbertson, Director of Admissions and Student Affairs, said the ceremony

helps the students feel more connected to the profession and the college.

“With this ceremony, we seek to create an environment of professionalism early in the students’ academic careers,” Dr. Culbertson said. “This is an occasion to commemorate the accomplishments of our new Doctor of Pharmacy students and welcome them into the College and program of study.”

The evening ceremony, held at the Pocatello Holiday Inn, included representatives of the Idaho State Pharmacy Association and Idaho Society of Health-Systems Pharmacists, Southeast Idaho Pharmacy Association, and Idaho Board of Pharmacy.

During the ceremony, pharmacy students also signed a pledge of professionalism and donned white coats for the first time, acknowledging their en-

trance into the pharmacy profession and their duty to their patients and colleagues.

The 56 students, selected from a pool of more than 500 applicants, also signed their Class of 2008 Code of Ethics for Pharmacists.

In addition to the ceremony, students attended activities including a chemical dependency seminar, meetings with faculty advisors, and CPR training.

Alumni of the class of 2003, faculty and college staff sponsored students by purchasing a white coat as a symbolic commitment as mentors to the students.

Those sponsoring white coats are Drs. Joseph and Susan Steiner, Dr. Leslie and Oli Devaud, Sandra Hieb, Dr. Paul and Merriann Cady, Thomas Cady, William Eames, Dr. Rex Lott, Dr. Barbara

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Members of the Idaho State University College of Pharmacy Class of 2008 gathered for the 3rd Annual White Coat Ceremony

held on August 19, wrapping up a week long orientation. Students also signed their class Code of Ethics for Pharmacists.

# First-year pharmacy students & hometowns

Paul Ashliman  
Ty Bazil  
Rebekah Bjorkman  
Lindsay Black  
Jessica Blake  
Benjamin Bobo  
Douglas Boehme  
Cori Bosserman  
Clint Brown  
Rena Campbell  
Cara Catmull  
Tyler Creason  
Ron Engberson  
Joshua Gerving  
Tanya Graham  
Thane Grover  
Kyle Gunter  
Amanda Harrison  
Jeremy Hawkes  
Bridget Heindel  
Tiffany Hill  
Lori Hockenberry  
John Huston  
Thomas Keele  
Karmen Kemmerer  
Allen Leavitt  
Karleen Lynes  
Mark Mailhot

**Burley**  
**Rigby**  
**Pocatello**  
**Meridian**  
**St. Anthony**  
**Boise**  
**Clearfield, UT**  
**Boise**  
**Soda Springs**  
**Idaho Falls**  
**Heyburn**  
**Bluffdale, UT**  
**Rexburg**  
**Bozeman, MT**  
**Kooskia**  
**Ovid**  
**Pocatello**  
**Pocatello**  
**Pocatello**  
**Kuna**  
**Reno, NV**  
**Meridian**  
**Idaho Falls**  
**Pocatello**  
**Pocatello**  
**Chubbuck**  
**Rigby**  
**Stratford, NH**

Landon Mathews  
Tara Miller  
Derek Molyneux  
Jason Murphy  
Hussein Mussa  
Erin Palmer  
Heather Reddington  
Derek Roylance  
Asem Sarameh  
Clinton Smith  
Brandon Smith  
David Sorensen  
Jane Stroebel  
Linda Sullivan  
Marissa Tarbet  
Seth Thomas  
Eric Tolley  
Jared Turner  
Jeffery Ward  
Matthew Washburn  
Ian Waugh  
Ronnie Widdison  
Benjamin Wise  
Sharon Wong  
Jennifer York  
Sean Zhong  
Sherity Zieber  
Mariesa Zivkovic

**Altamont, UT**  
**Twin Falls**  
**Kimberly**  
**Pocatello**  
**Oakland, CA (Somalia)**  
**Pocatello**  
**Rupert**  
**Pocatello**  
**Sacramento, CA (Palestine)**  
**Boise**  
**Buhl**  
**Henderson, NV**  
**Twin Falls**  
**Reno, NV**  
**Coeur D'Alene**  
**Moscow**  
**Pocatello**  
**Blackfoot**  
**Meridian**  
**Rexburg**  
**Palmdale, CA**  
**Hooper, UT**  
**Moscow**  
**Pocatello**  
**Idaho Falls**  
**Elk Grove, CA (China)**  
**Idaho Falls**  
**Nampa**

*First-year pharmacy student Thane Grover prepares to sign the Code of Ethics for Pharmacists during the 3rd Annual ISU College of Pharmacy White Coat Ceremony.*

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Mason, Sidney and Joyce Sly, Dr. James Bigelow, Edee Dvorak, Dr. Roger Hefflinger, Dr. Steve Hurley, Teddie Gould, Dr. Cathi Baily-Ketterling, Shawna Kittridge, JoAn Condie, Dr. John and Diana Erramouspe, Dr. Sandra Jue, Dr. Roger and Adelia Murphy, David and Darlene Price, Dennis and Leslee Stoddard, Dr. Christopher Owens, Kent Jensen, Dr. Dana Diedrich, Ralph "Moon" and Ann Wheeler, David Bjornn, Dr. Kristina Jonas, Dr. Jason Bailey, Robert and Christine Fischer, Dr. Cathy Heyneman, Rhonda Housley, Betty Iverson, Walter and Kay Luhr, Gary's Drug and Sport Center, Southeastern Idaho Pharmacists Association and Albertson's.

## Class of 2008 statistics

Males 33  
Females 23  
Avg. GPA 3.40  
Rx GPA 3.70

Previous Degrees:  
Associate's 14  
Bachelor's 19  
Master's 1

Residency:  
Idaho 48  
U.S. 8  
Total students: 56

Mean Age:  
Applicants ~ 25  
Age Range ~ 19-39

# Updyke presents Wallace Lectureship

ISU College of Pharmacy alumnus Dr. Lawrence Updyke '84 returned to his alma mater Sept. 9 as the 2004 Wallace Lectureship speaker.

Updyke's presentation, "Challenges Faced by the Pharmaceutical Industry," included an in-depth look at the current drug-development process.

The director of toxicology with Pfizer, Updyke's presentation focused on the pharmaceutical industry's productivity, regulatory/speed to market challenges, perception and hope for the future.

Updyke said one of the major challenges faced by drug manufacturers is perception.

Some public misconceptions include the government funds research for new drugs and the pharmaceutical industry spends more on advertising than research

and design.

According to a health poll in *Parade* magazine, almost 60% of participants said the government pays for research, Updyke said.

Although some funding for research comes from the federal government through grants, he said the biotech and pharmaceutical companies finance more than half the research in the United States. In addition, the money pharmaceutical manufacturers spend on research includes clinical and trial tests that last for several years.

Another misconception Updyke addressed was that drug companies spend more on advertising than research.

Total promotion or pharmaceutical advertising; includes television ads, retail samples,

office promotion, direct-to-consumer advertising, hospital promotion, and journal advertising, he said.

According to a report from the U.S. General Accounting Office, major pharmaceutical firms in the United States spent \$30.4 billion on research and development from 1997 through 2001 compared to \$19.1 billion on total promotion.

Updyke acknowledged the large amount of money spent on advertising, but pointed out that during those years, research and development spending was consistently higher than total promotion.

Also, about half of the cost of total promotion included drug samples given to physicians who passed them on to their patients at no charge.

## Patient's letter notes student dedication during advance practice experience

Dear Sir:

This letter is to express my sincere thanks to a pharmacy intern from your University, specifically Kevin Christensen.

I have been taking ... (Alendronate) for approximately four years. My physician suggested I switch from 10-mg. Alendronate daily to 70-mg. weekly. I have rejected this suggestion for the last several years as my osteoporosis has improved significantly on my current regimen. My doctor stated there was little difference in the efficacy of the two doses. The question was

"how much difference?"

The manufacturer ... answers questions from customers by reading from their product insert sheet. My local pharmacist was leaving on vacation but told me he would leave a note for the intern to make inquiries about this question.

A day or so later, Kevin called and provided me with information and advice I needed to make an "informed" decision to switch to 70-mg. Alendronate weekly. In addition, he left print-outs of two excellent references that contained facts I did not know

even after four years of studying how to reverse osteoporosis.

I hope you will express my sincere appreciation to him for his thoroughness, knowledge and guidance that he provided to me during his internship in Reno. It is wonderful to see a future pharmacist with such dedication to customers and a desire to search for additional drug knowledge.

Sincerely,

Mrs. Virginia Smith  
Reno, Nevada



# Alumni, friends gather for annual Treasure Valley Alumni Banquet

About 30 ISU College of Pharmacy alumni and friends gathered at the Crane Creek Country Club in Boise for the 2<sup>nd</sup> Annual Treasure Valley Alumni Banquet Sept. 17.

Graduates attended the banquet from the classes of 1944 to 1981. Alumni shared memories of, and news from the ISU College of Pharmacy.

Dean Joseph Steiner spoke about current events at the College and construction of the recently opened L.E. and Thelma E. Stephens Performing Arts Center and plans for the ISU Rendezvous Center, currently under construction.

The L.E. and Thelma E. Stephens Performing Arts Center is a state-of-the-art 110,000-square-foot facility on the Idaho State University campus, boasting three versatile performance venues and auxiliary spaces designed for academic work and community enjoyment.

The Rendezvous Center, a unique multipurpose educational, residential and social complex, is to be located on Martin Luther King Jr. Way across from the Eli M. Oboler Library.

The 2004 Executive-in-Residence lecturer, Mr. John Dewey Jones III, '75, spoke with attendees about changes in the pharmacy profession.

Earlier that day, Jones presented his lecture at the ISU Boise Center, where students and faculty on both the Boise and Pocatello campuses were able to join in the presentation via distance-learning satellite.

Jones discussed the evolution of pharmacy practice and opportunities presented to pharmacists who are catalysts in the process. The lecture included the challenges that regulators face in adapting to change in the profession, enabling improvements in quality and efficiency while ensuring protection of consumers of pharmaceutical care.

The ISU College of Pharmacy Executive-in-Residence program is designed to enrich students' professional spirit and their awareness of the success that can be built on their academic experience. Providing students practical experience while they are enrolled in classes at ISU means offering activities and opportunities that challenge and enrich their thinking.



*ISU College of Pharmacy alumni, spouses and friends gathered in Boise in September for the 2nd Annual Treasure Valley Alumni Banquet at the Crane Creek Country Club. The annual event included a fine dinner and discussion about current events on the ISU campus.*

# Pharmacy alumnus, friend honored during 2004 ISU Homecoming week

College of Pharmacy alumnus Dr. Joy B. Plein, '47, and longtime college friend and supporter Mr. Frank Savage were honored during the 2004 Idaho State University Homecoming festivities with the President's



*ISU President's Medallion recipient Dr. Joy Plein, '47, enjoys her ride in the 2004 ISU Homecoming Parade.*

Medallion and Distinguished Alumnus Award, respectively.

ISU President Dr. Richard Bowen bestowed honors to Dr. Plein and Savage during an awards ceremony held Friday, Oct. 22.

In 1947, the same year University of Idaho-Southern Branch became Idaho State College, Joy Bickmore Plein received her bachelor's degree from the College of Pharmacy.

Joy's interest in medicine

began early. She spent her summers and vacations during World War II as a pharmacy intern at Prescription Drug in Preston and Logan, Utah. After her education at Idaho State, she worked at Heinz Apothecary in Salt Lake City before going to Seattle, where she worked in other apothecaries to further her studies.

The Preston High School graduate came to Pocatello for her undergraduate studies before receiving her master's degree and doctorate in pharmacy from the University of Washington in Seattle.

Dr. Plein joined the University of Washington faculty in 1966, where her teaching and research have focused on clinic pharmacy and health professions education. Since 1973, she has specialized in senior-care pharmacy, where she has developed and coordinated courses in geriatric pharmacy and precepted two senior care pharmacy clerkship courses. Dr. Plein was coordinator of a geriatric pharmacy practice certificate program from its 1986 inception to 2002. She has served as program coordinator for several of the university's interdisciplinary geriatric programs.

Dr. Plein has published countless research reports, syllabi, books and book chapters during her career. She has enjoyed federal appointments to the FDA'S OTC Review Panel and the National Advisory Council on Health Professions Education.

Throughout her career, Dr.

Plein has received formal recognition and awards for her work. Most recently, she received the American Society of Consultant Pharmacists' George F. Archambault Award in 2001 and the Janssen ElderCare Lifetime Achievement Award in 2002. Idaho State College recognized her with the Merck Award when she graduated in 1947.

Dr. Plein now teaches geriatric pharmacy didactic and seminar courses at the University of Washington and precepts pharmacy students at the Hearthstone, a continuing-care retirement community affiliated with the university. She continues her research in geriatric pharmacotherapy and pharmacy education and practice.

Frank Savage is a native of Hamer, where he still attends annual cattle drives on the family ranch. He graduated in 1951 with a bachelor's degree from Idaho State's College of Education. He proudly served in the Army during the Korean War and was a captain when discharged.

He began his career in the pharmaceutical business when he was looking for a job and was hired by a company in Salt Lake City.

After serving as a field salesman and field supervisor in Salt Lake City, Frank quickly moved up the ranks of the pharmaceutical industry. He became sales manager in Denver, then regional sales manager, and finally, national sales manager.

## Homecoming honorees... *Continued from Page 10*

His climb led him to the position of marketing manager for Dow Pharmaceuticals, where he helped promote products for treating everything from high cholesterol to coughs and colds. His personal recommendation helped license Nicorette, an aid for people who are trying to quit smoking.

When he became director of hospital sales for Merrell Dow in 1981, he merged his training as an educator and his experience as a pharmaceutical marketer to teach new doctors about new products. His work helped him create and chair the Hospital Advisory Board, which annually brought in key hospital pharmacists to advise the company on how it could better address the needs of patients.

Frank then became director of trade, pharmacy and professional relations for Marion Merrell Dow (now Aventis). From 1987 to 1990, he established, nurtured and maintained close working relationships with the top 10 wholesale and chain drug accounts. He designed and conducted advisory boards and task forces to improve customer service, while representing his company at professional associa-

tions and convention meetings.

Since 1990, Frank has provided his expertise to various pharmaceutical companies as a consultant. In those years, he has helped launch leading products for the treatment of multiple sclerosis, HIV/AIDS, cancer, gastroenterological ailments and angina.

The year 2002 was important for Frank. He retired from Agouron Pharmaceuticals in San Diego, Calif., where he worked with the leading biotech company to produce Viracept  $\text{\AE}$ , one of the foremost drugs prescribed to treat HIV/AIDS. He was awarded the ISU College of Pharmacy's Distinguished Service Award. And the Healthcare Distribution Management Association awarded him

the highest honor in the health-care industry, the Nexus Lifetime Achievement Award.

Today, Frank is a member of



*Mr. Frank Savage, '51, center, was honored as the ISU Distinguished Alumnus during 2004 Homecoming week. He and his wife, Joyce, join Dean Joseph Steiner at the Founders' Luncheon.*

Idaho State University's Pharmacy Dean's Advisory Council and the Healthcare Distribution Management Association, where he has co-chaired annual meetings and contributed to the Business Development and Trading Partner Committee and Drug Availability Task Force.



*ISU President Dr. Richard Bowen presents Dr. Joy Plein with the President's Medallion Award.*



*Award honoree Frank Savage is joined in the Homecoming parade by, left to right, his wife Joyce and daughters Gayle Davidson and Jill Hutchenson.*



*Dr. Richard Bowen presents Frank Savage with the ISU Distinguished Alumnus Award.*

the ISU campus.

Bowen, Dr. Bob Kustra of Boise State University and Dr. Tim White of the University of Idaho announced the grant during a press conference held Aug. 10 in conjunction with the Idaho Biomedical Research Infrastructure Network (BRIN) Third Annual Research Conference on the ISU campus.

The five-year INBRE grant expands on an \$8 million grant in 2001 that first drew together UI, BSU and ISU to establish BRIN.

The program is funded through the National Institutes of Health Institutional Development Award (IDeA) program, which is modeled after the National Science Foundation's Experimental Program to Stimulate Competitive Research. EPSCoR enables states with smaller populations to compete for federal research funds.

From 2000 to 2002, Idaho led all states in the growth of competitively awarded NIH grants outside of the IDeA program, doubling the total. In fiscal 2003, Idaho scientists won 22 NIH grants totaling \$10.7 million.

According to Dr. Christopher Daniels, Professor and Chair of the Department of Pharmaceutical Science and Co-Principal Investigator for the INBRE grant, ISU will receive \$1,571,605 of the grant funding.

"The BRIN program has allowed us to expand our graduate program through the support of five new graduate research assistantships, assisted faculty to generate preliminary data for grant submissions through a seed-

grant program and establish a foundation for the development of new research collaborations in the area of bioinformatics with the ISU Department of Biological Sciences," Daniels said.

Other major NIH-funded initiatives since 2000 include two Centers for Biomedical Research Excellence at UI focusing on infectious diseases, evolutionary studies and bioinformatics. They drew \$20 million in funding through the IDeA program.

"BRIN helped us to demonstrate the value of cooperation in equipping our scientists and our students to pursue biomedical research. The effects have been profound," said Michael Laskowski, BRIN director at the University of Idaho.

A future focus will be to ensure Idaho can retain its educated workforce. "It is crucial that we develop a biotechnology industry to provide good jobs for our graduates," Laskowski added.

The network that has developed in the short time since the original grant encouraged interdisciplinary research among faculty at the three public universities. It also funded programs that function as an educational pipeline from elementary school through graduate school.

The institutions participating in the expanded program include UI, ISU, BSU, Albertson College of Idaho, Brigham Young University - Idaho, College of Southern Idaho, Lewis-Clark State College, North Idaho College and Northwest Nazarene University. The Boise Veterans Affairs Medical

Center and Mountain States Tumor and Medical Research Institute will also participate.

"In the past, we've talked about serving K-12 or K-16, or kindergarten students through those earning their college degrees. Now we talk about K-23 education," Laskowski said, to include graduate students and postdoctoral fellows.

In addition to an undergraduate fellows program that pays students to work 10 weeks in laboratories, a scholars program provides college students with intensive two-week research experiences and an annual conference for students and scientists.

Students work with faculty researchers on a wide range of INBRE-supported projects, including studies involving Alzheimer's disease, bacterial toxins, viral birth defects, breast cancer, alcohol dependence and withdrawal, and chemotherapeutic drugs.

Science education established through the network also includes an annual summer science and math camp for minority and migrant youth.

Like BRIN, the expanded network will continue to focus on the core themes, building an interdisciplinary research network focusing on cell signaling, increasing research partnerships, expanding outreach to other Idaho institutions, and creating an educated workforce.

The approach overall strives to build a lasting change in the biomedical research culture in Idaho, Laskowski said.

# Faculty Accomplishments

## PRESENTATIONS

**Hefflinger R.** September 16, 2004. HIV Primer and Needle Issues, NWAETC Education program Albertsons pharmacy regional managers, Boise 1.5 hour CE.

**Hefflinger R.** September 10, 2004. HIV Primer and Needle Issues, NWAETC Education program Academy of Health technicians education program 1 hour.

**Hefflinger R.** September 9, 2004. Community Cafe: Understanding Over the Counter Medications, Idaho State University Community outreach program, Boise 2 hour consumer education.

**Hefflinger R.** September 8, 2004. HIV Primer and Needle Issues, NWAETC Education, ISU laboratory technician students, ISU Boise Center, 1.5 hours.

**Hefflinger R.** September 3, 2004, Diabetes Management: Primer on Type 2 and Type 1 therapy initiation, Family Practice Medical Center Physicians Noon CME.

**Hefflinger R.** September 1, 2004 COPD management Gold Initiative, Baker City, Oregon Physician CME, 1 hour.

**Hefflinger R.** August 17, 2004 COPD management Gold Initiative, Ontario, Oregon, Holy Rosary Hospital, Physician CME 1 hour.

**Hefflinger R.** August 6, 2004, Management of Allergy, Family Practice Medical Center Physicians Noon Drug Conference CME 1 hour.

**Hefflinger R.** July 28, 2004, Tiotropium Bromide, Saint Luke's Department of Respiratory

Therapy, 1 hour In-service St. Luke's, Boise, Idaho.

**Hefflinger R.** July 23, 2004, COPD Management, Caldwell Family Physicians Noon CME, Caldwell, Idaho.

**Hefflinger R.** July 9, 2004, Strategies for Successful Smoking Cessation, 1 hour Physician CME, FPMC noon pharmacotherapy conference.

**Hefflinger R.** June 14, 2004, HIV- General Overview of Management, American Institute of Health Technology. NWAETC HIV presentation pharmacy technicians and medical assistant students.

**Hefflinger R.** June 11, 2004, Spiriva Handihaler: Tiotropium: Clinical Review and Applications, Physician CME FPMC Noon Pharmacotherapy Presentation.

**Heyneman CA.** The cytochrome P450 system: focus on psychotropics and ethnic Polymorphisms. Continuing Education program at Blackfoot South June 5, 2004.

**Hurley S.** Extracellular and Intracellular Action of Psychotropic Medication. Continuing Education program. State Hospital South, Blackfoot, Idaho, June 5, 2004.

**Lott R.** Back to Basics: Newer Antiepileptic Drugs for Treatment of Seizure Disorders and Psychiatric Illness. Continuing Education program. State Hospital South, Blackfoot, Idaho, June 5, 2004.

**Lott R.** Medications and Buckets: Clinical Pharmacokinetics. Neuropsychotropic Drug Therapy Conference: Univ. of Washington School of Nursing, Continuing Nursing Education.

Seattle, WA, June, 2004.

**Lott R.** Medications and Genes: Blame Drug Interactions on Your Ancestors. Neuropsychotropic Drug Therapy Conference: Univ. of Washington, School of Nursing, Continuing Nursing Education. Seattle, WA, June, 2004.

**Lott R.** Update on Antiepileptic Drug Therapy. Pharmacists and medical staff, Western State Hospital, Steilacoom, WA, June 2004.

**Lott R.** Update on Antiepileptic Drug Therapy. Interdisciplinary audience, Idaho State School and Hospital, Nampa, ID, June 2004.

**Johnson CK.** Update on antimicrobial resistance and hospital management of infection. Idaho Society of Health-System Pharmacists Annual Meeting, 2004, Sun Valley, ID.

VanVleck J, **Mason B.** Acyclovir Medication Utilization Review in VA Outpatient Clinics presented at Idaho Society Health System Pharmacists, Sun Valley, ID, October 1, 2004.

Black DJ, **Mason B,** Bell A. Pharmacist Managed Resistant Hypertension Clinic Outcome Analysis, presented at Idaho Society Health System Pharmacists, Sun Valley, ID, October 1, 2004.

**Mason B.** New Concepts in Anticoagulation, Wyoming Nurse Practitioner Conference, Cheyenne, WY September, 16 2004.

**Oliphant CM.** Monitoring Antibiotic Therapy. Idaho Society of Health-System Pharmacists, Sun Valley, ID. October 2, 2004.

*Continued on Page 14*

# Faculty Accomplishments

Continued from Page 13

## POSTER PRESENTATIONS

Hugus JJ, Malthankar-Phatak GH, Rajbhandari P & **Lai JCK** (2004). Manganese Induced Toxic Effects in Human U87 & SK-N-SH Neurotumor cells: Accentuation by Buthionine Sulfoximine. BRIN Idaho 3<sup>rd</sup> Annual Research Conference, Pocatello, ID, August 8-11, 2004 (in Abstract Volume).

Bauer PA, **Madaras-Kelly KJ, Jue SG**. Medication Use Evaluation: Metronidazole Use in Infection Treatment. Poster presented at the Idaho Society of Health-Systems Pharmacists Annual Meeting, Sun Valley, Idaho, October 1, 2004. The poster placed 3rd overall.

**Owens CT, Cady PS, Culbertson VL**, Cummins MK, **Force RW**, Murdock N, Pettinger TK, and **Steiner JF**. Skeletal Muscle Relaxant Utilization in the Idaho Medicaid Population. Annual Meeting, Idaho Society of Health-System Pharmacists, Sun Valley, ID, October 1, 2004.

**Johnson CK**, Dent C, Brown C.E, Thomas J, Enright M, Stevenson K. Implementation of adult surgical prophylaxis policy: A multidisciplinary approach. Idaho Society of Health-System Pharmacists Annual Meeting, 2004, Sun Valley, ID.

Styer K, **Gould T**. Performance evaluation of an outpatient anticoagulation clinic. Poster presentation at ISHP meeting, Sun Valley, Idaho, October 1, 2004. Awarded first place in pharmacy

resident poster division.

Alele P., Chadda R., **Devaud LL**. Modulation of ethanol withdrawal by pregnanolone assessed by seizure induction in male and female rats. Research Society on Alcoholism Annual Meeting, June 2004.

**Devaud LL**, Alele P. Alterations in levels of proteins involved in GABA and glutamate neurotransmission during ethanol withdrawal in male and female rats. Research Society on Alcoholism Annual Meeting, June 2004.

**Steiner JF, Cady P**, Gauss AC. Preparing Leaders in Pharmacy. Poster presentation at 2004 Annual AACP Meeting. Salt Lake City, Utah. July 2004.

## GRANTS & CONTRACTS

NIH/NCRR; 1 P20 RR016454, 9-1-04 to 8-31-09; "Idaho IDeA Networks for Biomedical Research Excellence (INBRE);" Co-Principal Investigator: **Daniels CK**. (PI - Michael B. Laskowski); ISU Total Direct Costs \$1,571,605.

**Gould T**. Contract renewal for clinical pharmacy services at the Southeast Idaho VA Clinic from 10/1/04 through 9/30/05 - \$45,645.00.

**Culbertson VL** and **Cady PS**. Drug Utilization Review in the Idaho State Medicaid Program (Renewal). Funded by the Idaho Department of Health and Welfare; \$329,201. October 2004.

**Devaud LL**. URC proposal funded for \$11,837 to allow for purchase of acoustic startle appa-

ratus for behavioral testing of animals. Matching funds were provided by PSCI Department and the College.

**Hachey DM** and Woodhouse WM. Ryan White Title III Capacity Development New Competing Grant. A two-year grant to develop and enhance clinic infrastructure of the Pocatello Family Practice HIV clinic. Funded August 8, 2004 for \$147,933.

## PUBLICATIONS

Phatak HM, **Cady PS, Culbertson VL, Heyneman C**. Retrospective Detection of Potential Medication Errors Involving Drugs with Similar Names. J Amer. Pharmacy Assoc. (accepted for publication 9/16/04).

**Heyneman CA**, Bandfield, P. Critical care drugs (wall chart). Hosp Pharm. Under editorial review.

**Heyneman CA**. Pentetate calcium trisodium. Monograph submitted to Lippincott Williams & Wilkins' Nursing Drug Reference.

McAuley J, **Lott RS**. Seizure Disorders, in Applied Therapeutics: The Clinical Use of Drugs, edited by M.A. Koda-Kimble and L.Y. Young, Eighth Edition, Lippincott, Williams ... Wilkins, New York, 2004.

**Devaud LL**, Alele P. Differential effects of chronic ethanol administration and withdrawal on  $\gamma$ -amino butyric acid type A and NMDA receptor subunit proteins in male and female rats brain. Alcoholism: Clinical and Experimental Research, 2004. 28: 957-965.

Continued on Page 15

Chadda R, **Devaud LL**. Sex differences in seizure susceptibility and GABA-A receptor function in a rat model of social stress. *Pharmacology, Biochemistry and Behavior*, 2004, 78: 495-504.

Keller J, **Owens CT, Lai JCK, Devaud LL**. Biphasic effects of zinc and manganese: interactions with ethanol and estradiol in SK-N-SH cells. *Neurochemistry International*, accepted pending revisions, July 2004.

Alele P, **Devaud LL**. Alterations in GABAergic and glutamatergic activity during ethanol withdrawal in male and female rats. *Journal of Neurochemistry*, submitted July 2004.

Vatassery GT, DeMaster EG, **Lai JCK, Smith WE & Quach HT** (2004). Iron Uncouples Oxidative Phosphorylation in Brain Mitochondria Isolated from Vitamin E Deficient Rats. *Biochim. Biophys. Acta (Molecular Basis of Disease)* 1688(3):265-273.

Atkinson D, **Erramouspe J, Rhodes R**. Rifaximin (Xifaxan) a new option for travelers' diarrhea. *The Knock*, Summer 2004;16(3)8-9.

Kuykendall JR, **Rhodes RS**. Auditory Hallucinations Elicited by Combined Meclizine and Metaxalone use at Bedtime. *Annals Pharmacotherapy* Vol. 38, 2004.

Kuykendall JR, Houle MD, **Rhodes RS**. Possible Warfarin Failure Due to Interaction with Smokeless Tobacco. *Annals Pharmacotherapy* Vol. 38: 595-98, 2004.

### AWARDS/OTHER

**Dr. Catherine Oliphant** was selected to participate in the ASHP Diabetes Traineeship program in Oklahoma City in June. She received an ASHP certification in Diabetes by completing the training.

**Dr. Roger Hefflinger** attended the AETC- AIDS Education Training Center professional meeting, Asilomar, Calif. October 3-6, 2004.

**Dr. Christopher Johnson**. Poster session Award 3rd Place: Implementation of adult surgical prophylaxis policy: A multi disciplinary approach. Idaho

Society of Health-System Pharmacists Annual Meeting 2004, Sun Valley, ID.

**Dr. Barbara Mason** attended the Self Care Institute 2004, sponsored by American Pharmacists Association, June 24-27, 2004, Chicago, IL.

**Dr. Leslie Devaud** was a member of the NIH peer review study section for the NAL (Neurotoxicology and Alcoholism) Section.

**Samuel A. Hoagland, J.D.**, was interviewed for an article titled "Counterfeit Drugs Lawsuit Points Finger at Wholesaler, Pharmacy" for the Oct. 1, 2004 edition of the American Society of Health-System Pharmacists.

**Dr. Jim Lai's** graduate student, Ms. Gauri H. Malthankar-Phatak, was awarded second prize for her oral presentation at the BRIN Idaho 3<sup>rd</sup> Annual Research Conference, Pocatello, ID, August 8-11, 2004.

**Dr. John Erramouspe** attended Pediatric Pharmacology Focus on Primary Care, sponsored by Contemporary Forums, August 1-4, 2004, Jackson Hole, WY.

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# Early Practice Experience provides learning environment for students

by Richard Rhodes, Pharm.D.

Associate Professor

Pharmacy Practice and Administrative Sciences

The profession of pharmacy has changed over the years from a focus on the provision of medications to the provision of total pharmaceutical care. Idaho State University College of Pharmacy has implemented curricular changes that would produce professionals prepared to fill the evolving roles of pharmacist. The primary goal of the Early Practice Experience (EPE) courses is to provide the student with an opportunity to experience a broad range of pharmacy practice experiences early in their academic career.

**PPRA 302:** During their first professional year, students perform 200 hours of traditional pharmacy practice. These experiences include, but are not limited to, receiving, verification and processing prescriptions, compounding, patient education, patient interaction, drug selection, interpreting telephone and written orders, ordering, inventory control, third-party medical reimbursement, pricing, pharmacy law, patient counseling, providing non-prescription drug information and all other aspects of community, retail and hospital pharmacy practice.

**PPRA 402:** Second-year professional students are required to complete 40 hours of EPE credit in pharmacy-related service or volunteer activities.

Health fairs, diabetes fairs, brown bag programs (counseling patients about medications they are taking), giving flu shots and vaccinations, and counseling patients on their laboratory results are just a few examples of the experiences required. The second-year professional student may also gain these hours in patient care activities such as is required of third-year professional students.

**PPRA 502:** Third-year professional students are required to complete 40 hours of EPE credit in strictly patient care activities. Examples would be shadowing a clinical pharmacy faculty member or preceptor as they function in their different clinical practice sites such as ambulatory care, anticoagulant, pediatrics, geriatrics, psychiatric, family medicine and HIV care clinics. Other examples are working with the Idaho Drug Utilization Review (DUR) or Idaho Drug Information Services.

Because of the lack of available sites for students to attain their EPE hours locally, the College of Pharmacy is dependent in many cases on the pharmacists of Idaho to volunteer their time to provide students practice sites and guidance to accomplish their EPE hours.

If there are any questions concerning the EPE courses, please contact Richard Rhodes, Pharm.D., at the College of Pharmacy, (208)-282-2438.



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