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CHEMISTRY AND BIOCHEMISTRY NEWS

FALL 2017

Richmond Wins Priestley Medal

Geri Richmond has won the 2018 Priestley Medal, the top prize of the American Chemical Society. The ACS recognized "her pioneering contributions to our understanding of the molecular properties of liquid surfaces and her extraordinary service to chemistry on a global level" when awarding her its highest honor. She will receive the award at the ACS's national meeting in March 2018.

Richmond, the Presidential Chair in Science and a professor of chemistry at the UO, will be the fourth woman to receive the Priestley Medal since the award was established in 1923. "I'm so honored and thrilled to be selected as the 2018 Priestley Medal recipient," she says. "It is a testament to the incredible work of the students and postdocs that have worked in my laboratory over the years here at Oregon. I am so grateful to all of them."

Richmond, who was the first female tenure-track faculty member hired in the UO chemistry department, has received several other ACS and American Physical Society awards along with the National Medal of Science. In 2006 she was inducted into the American Academy of Arts and Sciences, and into the National Academy of Science in 2011. That same year the ACS named her a fellow and gave her the Joel Henry Hildebrand Award. In 2012 she was named to the National Science Board, which is the governing board of the National Science Foundation and helps guide national science policy. Since 2014 Richmond has served as a US State Department science envoy for Southeast Asia and in 2015 as President of the American Association for the Advancement of Science.

Since the start of her science career in the 1970s, Richmond has studied the interactions

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INSIDE

CHEM
Chemistry

Knight Gift for New UO Science Campus Means the Future Starts Now

Conceptual rendering, not final building design

Read the full article in Around the O (around.uoregon.edu/content/changes-everything-president-announces-historic-knight-gift)

The University of Oregon's Phil and Penny Knight Campus for Accelerating Scientific Impact is an ambitious $1 billion initiative to fast-track scientific discoveries into innovations that improve quality of life for people in Oregon, the nation, and the world.

Announced October 18, 2016, the Knight Campus will work to reshape the state's public higher education landscape by training new generations of scientists, engaging in new interdisciplinary research, forging tighter ties with industry and entrepreneurs, and creating new educational opportunities for graduate and undergraduate students.

Penny and Phil Knight's $500 million lead gift is the largest ever for a public flagship institution. The handful of previous megagifts have gone to private institutions, medical schools, or multiuniversity partnerships.

The overall vision for the Knight Campus, estimated at more than $1 billion and to be largely donor-funded, will fully develop over the next decade. The state of Oregon approved $50 million in bonds in 2017, with legislative intent to fund an additional $50 million in 2019.

When fully operational, the campus will generate $80 million in economic activity each year, while supporting 750 jobs. The university plans to start construction in 2018. The first phase of construction calls for two buildings, which are slated to open in the first half 2020.

Designers are now mapping how the building will fit on its available site, and a conversation of what activities will be accommodated is underway. This fall, virtual reality technology will allow planners to immersively visualize and "walk through" the spaces that are being designed. Visit accelerate.uoregon.edu for updates. ■

Department Head's Perspective

If you haven't visited the department lately, you would be amazed at the changes that are occurring. Let's start with our recent hires, because new faculty members always bring fresh energy and excitement to a department. This summer we welcomed Christopher Hendon, a computational chemist with an interest in all things, but primarily materials. Scott Hansen, a new biochemistry hire, will join us in fall term after completing his postdoctoral fellowship. Chris and Scott are just the beginning—this fall term we will be searching for a physical chemist and another biochemist. In addition, searches for interdepartmental "cluster" hires in the areas of genomics as well as energy and sustainable materials will lead to additional colleagues in the department.

Remember Klamath Hall? Built in 1967, Klamath is beginning to show its age so it is being renovated one floor at a time. Newly renovated research space for physical chemistry in the basement was completed during the past year. Renovations to the second floor, home to much of our biochemistry division, were also recently completed. Remodeling will soon start on the third floor, where our synthetic groups are located. Future plans call for modernizing the physical chemistry research labs on the first floor. In combination with our world-class facilities in Streisinger Hall, Lewis Integrative Science Building, Lokey Laboratories, and the newly remodeled science library, the renovations to Klamath Hall will make the department's physical facilities modern and state-of-the-art.

The faculty continues to pour time and energy into making our curriculum contemporary and relevant. Undergraduates not only take courses in standard technical areas, but also new courses in interdisciplinary areas like green design and business. Plans are underway to create a new major in applied

chemistry, with industrial internships and a study-abroad component. At the graduate level, students benefit from new courses in professional development, such as scientific writing and entrepreneurial skills. At both the undergraduate and graduate level, new classrooms facilitate active learning methods of teaching.

Overall, the mood in the department is gung ho and optimistic. We have great new hires with more on the way, modern laboratories in new or soon-to-be remodeled spaces, and a modern curriculum that prepares students to make their mark on the world. I hope you can stop by and see these changes for yourself sometime soon.

Best wishes for a pleasant and productive year!

David Tyler

"We have great new hires, modern laboratories, and a modern curriculum that prepares students to make their mark on the world."

Department Head
David Tyler

Faculty Awards and Honors


MIKE PLUTH

Mike Pluth Receives Fund for Faculty Excellence Award

The UO announced in June that Mike Pluth would receive a Fund for Faculty Excellence Award. Pluth, an associate professor, was one of 16 UO faculty members named to receive the award in 2017, bringing the total number of FFE recipients in the department to 10. Philanthropist Lorry Lokey established the award in 2006 to recognize and highlight world-class teaching and research. The salary supplements ensure that the UO faculty who are operating at the highest levels in their field are honored and recognized by the university community.


GEORGE NAZIN

George Nazin Promoted to Associate Professor

The university has awarded George Nazin tenure with the announcement in May of his promotion from assistant to associate professor. Since joining the UO faculty in 2010 from Brookhaven National Laboratory, Nazin has shown excellence in his science and earned a National Science Foundation Career Award in 2015. His research group probes the chemistry of molecular and nanoscale materials and how those materials perform in devices.

Richmond Wins Priestley Medal

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at the surfaces of oil and water and water and air. “Our studies have progressed to more and more complex aqueous surfaces, building on the fundamental knowledge acquired over all these years,” Richmond explains. “I’m very excited about our current studies of multicomponent aqueous surfaces of atmospheric relevance and our studies of the surface of oil-water nanoemulsions and understanding the synergy that occurs when mixtures of polymers and different surfactants adsorb at the oil-water planar interface.”

All along the way as she developed a stellar research program, Richmond has ensured that students who also want to succeed, particularly women, have a path to do so. In 1998 she cofounded COACh (Committee on the Advancement of Women Chemists; coach.uoregon.edu) to encourage women to pursue careers in science and engineering. More than 18,000 scientists have participated in COACh programs in the US and more than 20 developing countries in Africa, Asia, and Latin America. “I am very happy that the recognition includes my efforts to ensure that we are attracting the best and brightest to the global STEM workforce, especially those from underrepresented groups and under-represented countries,” Richmond says. “It’s been a powerful team effort.”

“I want to also express my sincere gratitude for the key role that the University of Oregon, its leadership, and the chemistry department has played in this recognition,” she says. “The university took a considerable risk when they hired me back in 1985 given that I was coming from a faculty position at a small college. It’s indeed a lesson in the value of taking risks in hiring faculty that may seem a bit out of the norm.” ■

New Faculty

Christopher Hendon

CHRISTOPHER HENDON

Christopher Hendon joined the faculty this summer as the first member of the cluster hire in sustainable materials. Hendon joined after a short postdoc at Massachusetts Institute of Technology. Hendon is a computational chemist who uses supercomputers to examine the electronic structure of functional materials. Besides having access to national supercomputers, Hendon will be one of the primary users of Talapas, the recent high-performance computer investment at the UO.

"The application of high-performance computers in chemistry is proving to be valuable in providing chemical insights into evasive materials properties that are otherwise indistinguishable in experiment," he says. "With Talapas we are now only limited by our chemical and physical curiosities."

Hendon says he is delighted to be at the UO where, throughout the hiring process, emphasis was placed strongly on multidisciplinary collaboration. The nature of computational chemistry also lends itself to strong undergraduate students, capitalizing on the exceptional early career students.

Scott Hansen

SCOTT HANSEN

Scott Hansen will join the faculty in November after a four-year postdoctoral research position in the lab of Jay T. Groves at the University of California-Berkeley.

"The ability of cells to regulate the localization of molecules in both time and space is the hallmark of cellular organization," Hansen says. "My research ambitions are rooted in understanding the general principles cells use to generate spatial heterogeneity in signaling reactions on intracellular membranes."

Hansen's research group will use supported membrane technology and a variety of fluorescence microscopy techniques to characterize how lipid modifying enzymes and other signaling molecules are activated on membrane surfaces. "Learning molecular details about individual proteins is the first step towards understanding more complex, systems-level behaviors that result from the coordinated action of multiple signaling molecules," he says. "Overall, we will try to build a systems-level understanding of how membrane associated lipid kinases-phosphatases signaling reactions are executed in cells and how these processes are perturbed in human disease."

Hansen chose to apply to UO in part due to the strength of the department's recent hires and the potential for building an interdisciplinary biochemistry research group at the UO that collaborates with cell biologists, physicists, and material scientists.

News Briefs


THOMAS HAGER

Alumnus Hager Selected for 2017 ACS Grady-Stack Award

UO alumnus Thomas Hager recently received the 2017 Grady-Stack Award from the American Chemical Society. The award for science writing recognizes people with science backgrounds who convey complex ideas in a way that is enjoyable and easily understood. While at the UO, Hager studied science and journalism. His most recent book, *The Alchemy of Air* (amazon.com/Alchemy-Air-Jewish-Scientific-Discovery/dp/0307351793), is about the development of synthetic fertilizer. Hager has also published six other science-focused books.


JAMES HUTCHISON

Hutchison Hosts ACS Webinar

Jim Hutchison hosted an American Chemical Society webinar on how to create nanomaterials through sustainable design. The webinar focused on how green chemistry techniques can be applied to nanotechnology to achieve high performance while simultaneously preventing or reducing health and environmental impacts.


JULIE HAACK

OEC Celebrates Scientists: Haack, Green Chemistry

The Oregon Environmental Council recently profiled Julie Haack as part of their Scientists blog, in anticipation of Earth Day in April to help readers learn about scientists working to protect Oregon's air, water, and climate. Haack is the assistant department head, faculty advisor, and a second-level senior instructor. In addition, she helps lead the Tyler Invention Greenhouse (942olive.uoregon.edu/tyler-invention-greenhouse/), which is helping entrepreneurs and designers create more green products.


AUTUMN BRADLEY

Lab Preparator Bradley Publishes Science-Based Children's Book

Autumn Bradley, a lab preparator within the department, has published a book called *Astrophysicist Akimie*. It is the first edition for the Science Starters Collection (thesciencestarters.org), a series dedicated to expanding how children might answer the question, "What will you be when you grow up?" Using rhymes, Akimie gets to explore the galaxies, stars, and planets. The book also includes a question-and-answer section including answers to common questions and information about what an astrophysicist does during her workday.

New Agreement with PNNL Opens Doors for UO scientists

The University of Oregon has entered into an agreement with the Pacific Northwest National Laboratory (located in Richland, Washington) to pave the way toward greater collaboration. The agreement will allow scientists to obtain joint appointments in areas including materials synthesis, electrocatalysis, and green chemistry. The UO and PNNL have partnered together before, but never with such a broad agreement. PNNL is a Department of Energy national laboratory, employing more than 4,400 staff members with an annual budget of nearly $1 billion. The first joint appointments will be connected to the UO's Energy and Sustainable Materials Cluster of Excellence, which focuses on advancements in materials science.

UO SAACS Annual Pumpkin Drop makes a Splash

See the video at facebook.com/universityoforegon/videos/10154209703059842/

The UO's student affiliates of the American Chemical Society (blogs.uoregon.edu/saacs/) always have fun with their annual chemistry demo and pumpkin drop. The 16-plus-minute video shows how a pumpkin shatters after it's been chilled in liquid nitrogen to minus 321 degrees Fahrenheit and dropped from a four-story building.

Alumni News from All Over

2010s

Chantal Balesdent, PhD '13, worked in David Tyler's lab on nitrogen reduction. While she did not feel drawn to a traditional teaching career, she nevertheless wanted to share her love of science with others. Her search resulted in a position with Engineering is Elementary (eie.org), a nationwide curriculum based out of the Museum of Science in Boston, where she's originally from. Now in her third year as a professional development provider for EiE, Balesdent trains elementary school teachers to help students apply science and math skills to real-world technologies and problems. She was recently promoted to program manager for EiE's professional development team.

Christian Burns, BS '15, worked with Diane Hawley on mechanisms of RNA Polymerase II transcription. Currently Burns is a research assistant for Nobel laureate David Baltimore at CalTech working on RNA splicing in the context of the inflammatory response. He will be attending the University of Denver for graduate school starting this summer to work with Cedric Asensio on research involving vesicle release and formation in the context of type-2 diabetes.

Laura McWilliams, PhD' 16, worked with Geri Richmond researching chemistry at air/liquid interfaces. She is currently a California Council on Science and Technology policy fellow (fellows .ccst.us) working in the California State Assembly in the Utilities and Energy Committee in Sacramento, California.

Tobias Sherbow, BS '12, performed undergraduate research with David Tyler and became good friends with Vickie DeRose through classes and mentorship. Sherbow was awarded the LeRoy H. Klemm Award for Excellence in Undergraduate Chemical Research. He is currently a graduate student at the University of California at Davis, working under the guidance of Louise Berben performing inorganic synthetic chemistry. He expects to graduate in June 2018.

Matthew Tanner, MS '14, entered the Medical Scientist Training Program at the University of Rochester Medical Center in Rochester, New York, and began working towards a combined MD/PhD degree where he is investigating the molecular mechanisms that underlie myotonic dystrophy. After finishing his PhD he plans to finish the last two years of medical school.

Jason D. Wilson, BS '11, earned a master's degree through the UO Graduate Internship Program (PV/Semiconductor path) in 2012 and was an undergraduate researcher in the Dave Johnson lab. Since leaving the UO, Wilson has been a contributor or the lead engineer on seven patents, four of which have been issued. He's also had the opportunity to travel quite a bit, including to Finland, Germany, the Netherlands, China, Taiwan, Japan, and Korea working as a materials engineer.

2000s

Sarah Antonelli, PhD '06, was mentored by David Johnson. Her research focused on characterizing electroless nickel and cobalt alloys as diffusion barriers for copper lines in semiconductor chips. She had a collaboration with Intel Corp. in Hillsboro, Oregon. For 11 years she has worked at Intel Corp. Fab 32 in Chandler, Arizona. She was a process engineer in a chemical vapor deposition group for five years, then spent five years as a CVD engineering manager. Earlier this year, Antonelli started a new position as an individual contributor, working for the department manager in Dielectrics leading standardization and work content reduction projects.

Orion Berryman, PhD '08, studied at the UO with Darren Johnson and collaborated with Michael Haley. After a postdoc with Julius Rebek Jr. at the Scripps Research Institute in La Jolla, Berryman joined the faculty at the University of Montana in 2012. Berryman is director of the small molecule X-ray diffraction facility at UM. He recently received an NSF CAREER award to study halogen bonding organocatalysts and self-assembly.

Parker Deal, MS '09, worked in Michael Haley's lab synthesizing indenofluorenes for use in organic semiconductors. Deal is currently a fourth-year graduate student at the University of California-Berkeley working in Evan Miller's lab. His work involves the development of new voltage-sensitive dyes, which are used to study neuronal activity.

Walter Duncan, MS '00, worked with David Tyler. He went on to earn his PhD from University of Washington in 2007 with Oleg Prezhdo. From 2009 he was visiting assistant professor at Seattle University. He has worked at Schrodinger, a computational chemistry software company, since 2009 and was recently promoted to associate principal scientist. He is the project manager of the quality assurance team, which has testers in Portland, Oregon; New York City; and Hyderabad, India. Duncan has two daughters (8 and 6) who take up most of his non-work time, but he enjoys running trail ultra-marathons in the Pacific Northwest when he can.

Garrett Harp, BA '07, majored in biochemistry and earned a minor in the Robert D. Clark Honors College. Garrett was awarded the 2007 Organic Chemistry Achievement Award for

his work in John Keana's lab. After graduation, Harp worked as a certified nursing assistant at Salem Hospital on a medical/surgical inpatient ward while applying for medical school. He matriculated at the Keck School of Medicine of the University of Southern California and graduated in May 2012. Prior to medical school, Harp also applied for the Health Professions Scholarship Program through the United States Navy. He started military graduate medical education at Naval Medical Center in San Diego after finishing medical school. While there, he completed an internship and residency in internal medicine and is now a board-certified internist and a fellow in pulmonary and critical care medicine at Naval Medical Center San Diego. He will graduate from his fellowship in June 2018.

Mike Jesperson, PhD '08, finished doctoral studies in Jim Hutchison's laboratory, then accepted an NRC postdoctoral fellowship at the Air Force Research Laboratory in Dayton, Ohio. He spent seven years in AFRL's Materials and Manufacturing Directorate, working on a range of nanotechnology projects, including nanoparticle liquids, photovoltaics, polymer-nanocomposites, and two-dimensional electronic materials. In 2015 he left AFRL to study law after he was offered a Darrow Scholarship at the University of Michigan Law School. Jesperson is currently a contributing editor for the *Michigan Law Review* and will graduate with his JD in May 2018. After law school he will practice intellectual property law as an attorney at Foley & Lardner LLP in Detroit, Michigan. He and his wife, Danna, live near Ann Arbor, Michigan, with their three children, Wyatt, 6; Austyn, 4; and Addison, 3.

Zach Martin, BS '06, received the Richard Noyes Award for physical chemistry. Martin did undergraduate research with John Hardwick focusing on IR spectroscopy of mono-deuterated acetylene. A poster of Martin's is still up in Klamath Hall, which he noticed after visiting with Hardwick. After graduation Martin worked in a quality control lab for a neutraceuticals company (A.M. Todd Botanicals) in Eugene for eight months then moved to Bend, Oregon, to work in another quality control lab for a biorational pest control plant (Suterra). For the past eight years Martin has worked at Capsugel (formerly Bend Research) formulating and understanding a range of properties of pharmaceutical supplies from preclinical to commercial phases. Martin's current title is Manager of Late Stage Formulation Development. His role ensures a high standard of execution as well as a steady rate of innovation for all the programs within his group.

Stacey Standridge, MS '05, earned her PhD at Northwestern University in 2010 and completed an AAAS Science and Technology policy fellowship in 2013. She is currently a vice president at International Technology Research Institute Inc. and provides contract staff support for the National Nanotechnology Coordination Office. In this role Standridge has worked on a wide range of projects, including serving as project manager for the most recent National Nanotechnology Initiative Strategic Plan, leading the office's international activities, and managing several Nanotechnology Signature Initiatives. Standridge lives in Arlington, Virginia, with her husband and 3-year-old daughter.

Steve Stuckmeyer, MS '01, performed research in Geri Richmond's lab. He accumulated 16 years' work experience in environmental health and safety: seven years managing environmental compliance in the recreational vehicle manufacturing industry, and nine years at the UO. "At the UO I've had the pleasure to work with many researchers, faculty, and students, as well as our administrative and operations units," Stuckmeyer says. "I can honestly say I can't remember having a boring day at work in those last nine years. If there's a high point to working in environmental health and safety it's that it's a unit that touches, even if only briefly, on almost every operation and activity that occurs at the university. If there's a low point, it's having to enforce compliance with regulations—it's sometimes necessary, but being a colleague, working to solve problems collaboratively, is much more rewarding than being an enforcer."

When not at work, Stuckmeyer spent much of the last 20 years either whitewater kayaking, canoeing, cycling, skiing, or climbing. Now he spends almost all of his free time with his wife, Christine, and 3-year-old daughter Lucia. They all love to bicycle, hike at Mt. Pisgah or elsewhere, and float Oregon's rivers on their 16-foot whitewater cataraft.

Sara Wisser (Staggs), MS '05, founded UO Women in Graduate Science in 2004, and was honored as namesake for the Sara Staggs Undergraduate Transition Award. Wisser was president of Life Technologies International Women's Influential Network (IWIN) Field Chapter from 2011–14, then Life's Sales Advisory Council from 2010–13, and top Genetic Analysis Sales Representative in 2013. She was Chairman's Club at Thermo Fisher Scientific in 2014 and is currently Senior Genetic Analysis Representative for Life Sciences Division of Thermo Fisher Scientific.

David Wu, BA '07, majored in Chinese literature and biochemistry, working with Victoria DeRose. After working a few years in research and development, he taught K-12 with Teach for America. Currently Wu is in strategy consulting with Ernst & Young focusing on clinical operations and research and development for cancer therapies.

1990s

Greg Baxley, PhD '97, studied with David Tyler. His wife, Lara, earned her PhD from Diane Hawley in 1999. They live in San Luis Obispo, California, and

enjoy their positions as instructors at Cuesta College. Lara is currently the Academic Senate president. Greg received the President's Leadership Award at Cuesta in 2014.

Mark Bennett, BS '92, worked with Terry Takahashi during his final year at the UO. He worked in clinical research (pharmaceuticals) for the past two decades, holding a variety of titles and supporting a diverse field of potential compounds to help sick people. Currently Bennett works exclusively in oncology and is impressed with the progress on immunotherapy treatments. He has continued keeping his laboratory "chops" up to par, which led to the 2014 approval of his own patent ("Collagen Production Compound," Patent Number 8895034). Using the patent, his wife started a business called MultiVitaSkin, LLC. Bennett lives in Virginia, but visits Oregon every 10 years or so. He misses many fellow Ducks and hopes they are living the best years of their life!

Matthew Clifton, BS '99, earned his PhD in biochemistry and molecular biology from Purdue University in 2005. A postdoc followed from 2005–10 at the Fred Hutchinson Cancer Research Center, where his research focus was primarily structure-based drug design and fragment-based lead discovery. Clifton's career started at Beryllium, a contract research organization specializing in structure determination for pharmaceutical companies. In 2015 he moved to San Francisco to work for Nurix, a startup drug company focused on the ubiquitin proteasome. Clifton has authored more than 27 peer-reviewed papers and more than 300 structures in the Protein Data Bank.

Greg Friestad, PhD '95, with Bruce Branchaud, is associate professor in the Department of Chemistry at the University of Iowa, where he continues research in synthetic organic chemistry, focusing on radical addition to imino compounds, strategies for stereocontrol in polyol synthesis, and medicinal chemistry of neuropsychiatric disorders. He recently served as visiting professor at Kunming University of Science and Technology in Kunming, China, where he taught six hours of physical organic chemistry lectures, participated in many research exchanges, and enjoyed a side trip to the Mount Everest Base Camp in Tibet.

Kyle Gano, BS '94, is currently the chief business development officer at Neurocrine Biosciences Inc. His work focuses on product development and business partnering activities, including product and technology evaluation, in– and out–licensing, and collaborative research and development agreements. After more than 10 years of research and development, Ingrezza, a medicine he patented, was approved by the FDA for the treatment of tardive dyskinesia. After his BS in chemistry from the UO, Gano received his BS in biochemistry from the University of Washington (1996), PhD in organic chemistry from UCLA (2000), and his MBA from the Anderson School at UCLA (2002). Kyle wrote to say, "I owe a lot to the UO as it set a solid foundation for future growth."

Sawan Hurst, BS '99, founded Phi Life Sciences, a company that focuses on precision health care through molecular testing. Phi Life Sciences (philifesciences.com) sequences patient DNA for mutations in genes, such as Cytochrome P450 testing for medication management, as well as develops novel products for the overall evaluation of a patient's personalized health profile.

David Kuninger, BA '92, was the featured speaker for the first in a series of neurobiology webinars hosted in partnership between Thermo Fisher Scientific and LabRoots. Kuninger is associate director and group leader at Thermo Fisher Scientific. Webinar attendees explored experimental data from neuronal clusters derived from human pluoripotent stem cells and primary rodent neurons.

Erik Lloyd, MA '93, worked in the lab of Bruce Hudson and is currently working as associate director of quality control at BioMarin Pharmaceutical Inc.

1980s

Dave Edlund, PhD '87, with Richard Finke, went to work developing new separations technology at Bend Research Inc. (Bend, Oregon). In 1995, he cofounded a company that became known as IdaTech, where he led the development of small-scale hydrogen generators. In 2010 he cofounded Element 1 Corp., where he is currently CEO. His mission is to license state-of-the-art hydrogen generator technology and other clean and alternative energy technology to international partners. He authored one technical reference book and chapters in two other textbooks related to hydrogen energy. Edlund has been awarded more than 300 US and international patents. He is also an award-winning author of action/political thrillers.

Jung Hee Lee, BS '85, studied medical imaging, radiology, and MRI. He earned a PhD in 1990 from the University of Washington. Lee is a professor in the Department of Radiology, Samsung Medical Center, at the Sungkyunkwan University School of Medicine in South Korea.

David O'Kelley, BS '83, in biochemistry, computer science, and aviation, worked with Hayes Griffith, Ralph Barnhard, Jim Long, and Chuck Klopfenstein. O'Kelley's family has long roots in Eugene and owns Newman's Fish Market. He returned to Eugene after 30 years away and is still working in the field of aviation software as a consultant. He has joined the Clark Honors College Advisory Board, created a scholarship through CHC for science majors in honor of Hayes Griffith, continues to work with UO admissions, and will be president of the Yachats Lions Club. He is also planning

on volunteering as a tutor with our local Angell Job Corps, which will eventually become his full-time job.

David Schiraldi, PhD '82, worked with Rick Finke at the research centers of Celanese Chemicals in Corpus Christi, Texas, from 1983 to 1985, then at Hoechst Celanese Fibers and Films Division in Charlotte, North Carolina, from 1985 to 2002. In 2002 Schiraldi accepted a faculty position in the Department of Macromolecular Science and Engineering at Case Western Reserve University, receiving tenure, promotion to full professor, and then the Peter A. Asseff Endowed Chair. Schiraldi has served as Chairman of the department for the past eight years, has graduated 14 PhD students to date, has more than 200 peer-reviewed papers, and is a fellow of the American Chemical Society.

1970s

Dorayi Aminu, PhD '73, studied chemistry in Nigeria; Oregon; and Reading, England. Aminu spent 53 years as a teacher, lecturer, and educator, and also served the Kano State Government of Nigeria from 1975–79 as secretary of state in the Ministries of Education, Finance, and Economic Development and Trade Industry and Cooperatives. Aminu plans to retire in November 2017 at age 75. Post-retirement he plans to write his autobiography.

David Kamp, PhD '76, with Virgil Boekelheide, retired from Hewlett Packard in 2011. Ever since graduate school he's enjoyed outdoor activities and continues to do so, with his wife, Phaik-Foon Kamp. He is active in local American Chemical Society section activities and the Golden Gate Polymer Forum.

Pancras Wong, BA '76, earned his PhD in Pharmacology from the University of Minnesota, Minneapolis, in 1981. He is currently a senior research fellow in Cardiovascular Discovery at Bristol-Myers Squibb Company in New Jersey. Wong has dedicated 35 years to drug discovery research and has codiscovered two blockbuster drugs, losartan (Cozaar/Hyzaar) for the treatment of hypertension and heart failure, and apixaban (Eliquis) for the reduction of risk of stroke and systemic embolism in atrial fibrillation. Wong received a number of prestigious awards, including an elected Fellow of the American Heart Association (1991), American Chemical Society Team Innovation Award for the discovery of Cozaar (1997), Robert R. Ruffolo Career Achievement Award in Pharmacology from the American Society for Pharmacological Experimental Therapeutics (2013) and American Chemical Society Heroes of Chemistry Award for the discovery of Eliquis (2015). "My training at the University of Oregon has allowed me to successfully pursue a career in the pharmaceutical industry," he says. "I am indebted to my professors, Donald Swinehart and Edward Herbert. My success in drug discovery could not have happened without their teaching, guidance, and encouragement."

After **Brad Wright, BA '79,** graduated from the Clark Honors College he attended Ohio State University where—with Matthew Platz—he studied the chemistry and kinetics of carbenes and biradicals at low temperature. While there, he also met and married Julie, his wife of 35 years. After graduating from Ohio State in 1983 with his PhD, a postdoc at Yale with Jerome Berson followed. Wright then worked at 3M for 33 years in basic research and product development, and more recently as a patent agent in 3M's Office of Intellectual Property Counsel. In 1999 he received a 3M Corporate Circle of Technical Excellence award. In his free time, he enjoys tutoring, volunteering at science competitions, pro bono patent application drafting, composing music, and performing on the recorder—solo and with orchestras. Wright is an author on 15 peer-reviewed papers, and a named inventor on 13 patented inventions. As a patent agent, he has drafted and filed more than 300 patent applications.

1960s

Gordon Gribble, PhD '63, with Lloyd Dolby, retired from teaching in August, at the end of his 49th year at Dartmouth. He will continue writing and doing research for a few more years, and hopes to turn his 40-year home winemaking operation into a small Vermont winery. His new book, *Indole Ring Synthesis–From Natural Products to Drug Discovery*, the culmination of 10 years of work, was published in 2016.

John Natt, BA '64, is managing director of Clear Vision Associates, offering forecasting and analysis of forest products. He earned an MS in 1966 in physical chemistry from University of Washington and an MBA in managerial economics from the University of California-Berkeley. He is now semi-retired after 47 years in the forest products industry. Professors Swinehart and Noyes were his mentors at the UO. Natt has lived in Mill Valley, California, since 1974. He served on the UO College of Arts and Sciences Advisory Board for 15 years. Natt says he is still athletically active.

Dennis Rogers, BA '68, worked for three years in organic synthesis at Garrett Research and Development in LaVerne, California. He returned to Oregon in 1971 and earned a pharmacy degree from Oregon State University in 1974. Rogers worked 10 years as a retail pharmacist, 10 years as a hospital pharmacist, and the last 23 years as a managed care pharmacist for health insurance plans. He recently retired from pharmacy, and retired from the Army Reserve after 30 years as a lieutenant colonel. ■

Honor Roll Chemistry Gifts, July 1, 2016 to June 30, 2017

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Editor
Vanessa Salvia

Faculty Advisor
Michael Haley

Designer
Colin Miller

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