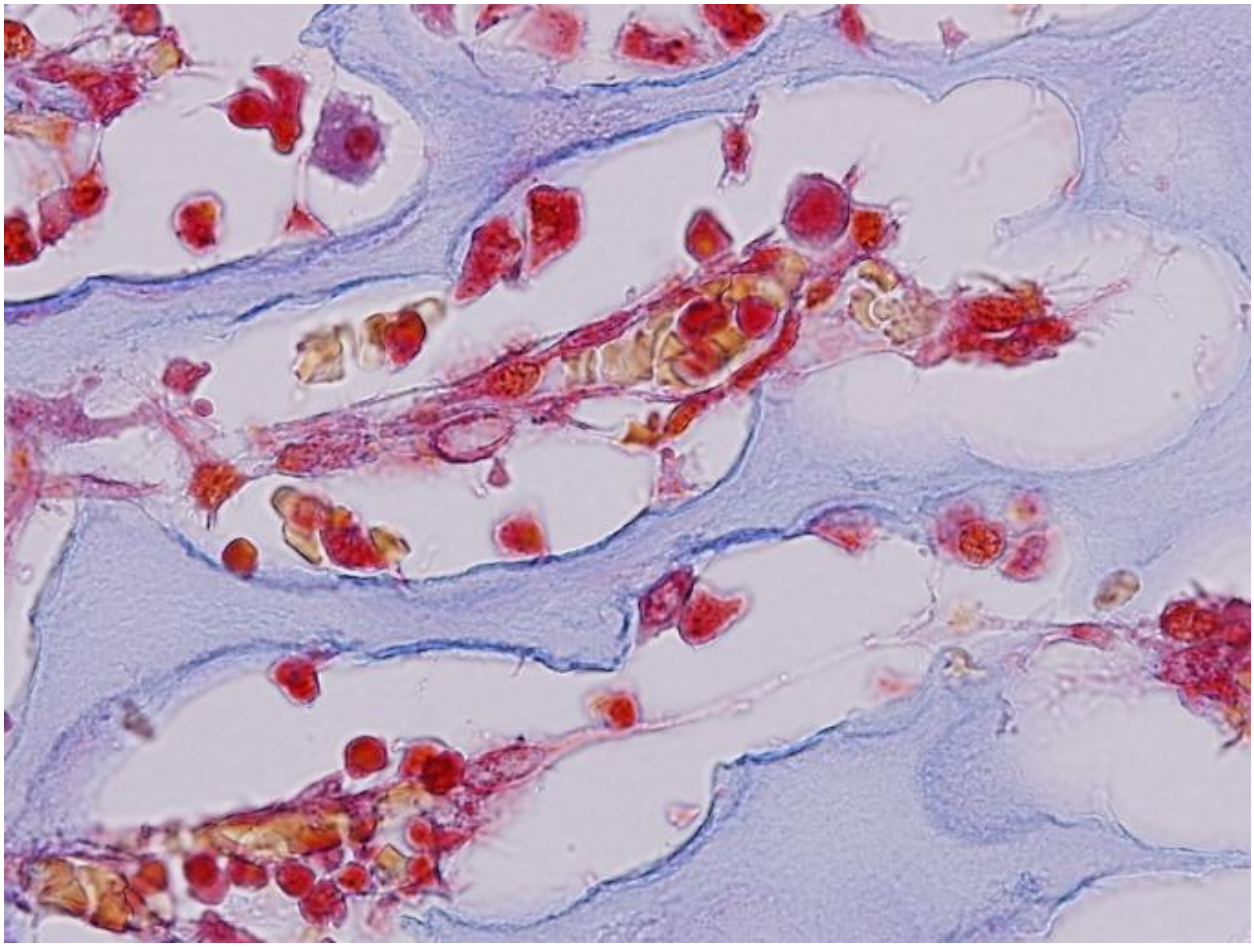
UCLA Department of Integrative Biology and Physiology

Fall 2011 Alumni and Friends Newsletter



In this issue:
Altering memories; aging and the brain's circadian clock; walking after paralysis

Photo: developing bone, from the Society for Human Anatomy and Physiology's Histology Image Database

Dear Alumni and Friends:

Welcome to the Fall 2011 issue of the Integrative Biology and Physiology Newsletter, which is aimed at alumni and friends of the UCLA Department of Integrative Biology and Physiology, formerly the Department of Physiological Science, and the former Department of Kinesiology. (The Department of Physiological Sciences has become the Department of Integrative Biology and Physiology, to reflect the diversity of research and teaching encompassed by the department.) Through this newsletter, we will help you stay in touch with the latest developments in integrative biology and physiology.

The Department of Integrative Biology and Physiology is dedicated to explaining the function of complex biological systems, in cells, organs, and individuals. The recent rapid advances in molecular and cell biology and genetics, including the sequencing of numerous genomes, has provided an unprecedented opportunity to use this new information to understand how the genes interact to produce emergent phenotypes in complex systems. The research of our faculty spans many levels. We use approaches that range from RNA interference to ion channel electrophysiology to genetic intervention in behavior to mathematical modeling to robotics, all to make sense of sensory, motor, endocrine, and cardiovascular systems, in the laboratory and in international field sites.

At the undergraduate level, the Department of Integrative Biology and Physiology offers the B.S. degree in Physiological Science, and contributes strongly to the Interdepartmental Undergraduate Program in Neuroscience. The Department also offers a two-year research-oriented M.S. program in Physiological Science. Ph.D. students in the Department come from a variety of interdepartmental programs, including the Ph.D. Program in Molecular, Cellular, and Integrative Physiology, and the Interdepartmental Ph.D. Program in Neuroscience.

We hope you will enjoy news of the exciting new faculty, new research and new developments. We have a special section on alumni news, so please send us news about yourself and other UCLA IBP friends or alumni. Updating your contact information is very easy at http://www.uclalumni.net/IBPupdate.

Thank you for reading this newsletter. We hope to hear from you!

Barney Schlinger
Professor and Chair, UCLA Department of Integrative Biology and Physiology
Professor, UCLA Department of Ecology and Evolutionary Biology
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UPCOMING ALUMNI EVENTS

The next UCLA Alumni Day will be in May 2012! Come back to UCLA, bring family and friends, and join other alumni to celebrate being a Bruin. Keep an eye on http://www.alumniday.ucla.edu for news, and to see photos and video of the 2011 UCLA Day! We look forward to seeing you at the Info Fair!

FACULTY NEWS

Congratulations to **Dr. Patricia Phelps,** winner of a 2011 Distinguished Teaching Award from the UCLA Academic Senate! The full story is at UCLA Today; an excerpt follows.
[Photo (Reed Hutchinson): Professor Phelps talks with Frank Lee, a former Amgen Scholar.]

"Starting with her very first lecture at UCLA, Patty Phelps has been searching for new approaches to deepen student learning. . . . With financial support from the Office of Instructional Development and a five-year National Science Foundation Early Career Development Award, Phelps created an Internet-based teaching system using novel animations and navigation approaches that helped instructors build courseware, deliver material in the classroom, assess students in the lab and enable students to review lectures online.

"But her impact on teaching hasn't stopped there. Since 2006, many of the images and animations she created are now posted on her departmental website. The animations have been downloaded and used by more than 40 professors and several thousand students all over the world, from Bahrain to the United Kingdom. At least six professors at UCLA have used her materials to teach undergraduates and medical students. And these same materials can now be found in the lectures, publications and websites of other faculty. 'She has been able to share her exceptional teaching with students worldwide through her multimedia computer presentations, which are freely available on the Internet,' said Barney Schlinger, professor and chair of the Department of Integrative Biology and Physiology, where Phelps is based. 'Phelps' class in systems anatomy is considered by her students as one of the most challenging courses required by any major because of its heavy workload, fast pace and demanding material. Students, nevertheless, consistently give her high marks for her teaching, which is mellowed by a personal warmth that touches many students,' Schlinger said."

From the UCLA Newsroom: "A new study of the brain's master circadian clock reveals that a key pattern of rhythmic neural activity begins to decline by middle age. The study, whose senior author is UCLA Chancellor [and IBP Professor] **Gene Block**, may have implications for the large number of older people who have difficulty sleeping and adjusting to time changes." The study was co-authored by Christopher Colwell, a UCLA professor of psychiatry and biobehavioral science, and **Tamara Cutler,** a UCLA senior majoring in neuroscience and physiological science. (In the photo at left: Tamara Cutler, Dr. Block, postdoc Takshi Kudo – photo Todd Cheney/UCLA

The research of **Professor Reggie Edgerton,** at left below, was featured this spring in worldwide news coverage: From the UCLA Newsroom: "A team of scientists at the University of Louisville, UCLA and the California Institute of Technology has achieved a significant breakthrough in its initial work with a paralyzed male volunteer at Louisville's Frazier Rehab Institute - the result of 30 years of research to find potential clinical therapies for paralysis. . . . The man, Rob Summers, 25, was completely paralyzed below the chest after being struck by a vehicle in a hit-and-run accident in July 2006. Today, he is able to reach a standing position, supplying the muscular push himself. He can remain standing, and bearing weight, for up to four minutes at a time (up to an hour with periodic assistance when he weakens). Aided by a harness support and some therapist assistance, he can make repeated stepping motions on a treadmill. He can also voluntarily move his toes, ankles, knees and hips on command." For the full article, please visit UCLA Newsroom. For direct video of his interview, please visit here. There is more video coverage at http://newsroom.ucla.edu/portal/ucla/paraplegic-man-stands-steps-with-203634.aspx.

In a new study, UCLA life scientists report a discovery that may make the reduction of traumatic memories a reality. "I think we will be able to alter memories someday to reduce the trauma from our brains," said the study's senior author, Professor **David Glanzman**, at right below. The study appears in the April 27 issue of the Journal of Neuroscience. Glanzman, a cellular neuroscientist, and his colleagues report that they have eliminated, or at least substantially weakened, a long-term memory in both the marine snail known as

Aplysia and neurons in a Petri dish. The researchers say they are gaining important insights into the cell biology of long-term memory.

From the UCLA Newsroom: "A small male bird called a golden-collared manakin performs a difficult, elaborate, physically demanding courtship dance. In new research, life scientists report that female golden-collared manakins select mates based on subtle differences in motor performance during these dances. "The male jumps like he's been shot out of a cannon," said study co-author **Barney Schlinger,** professor and departmental chair of integrative biology and physiology and a professor of ecology and evolutionary biology at UCLA. "It's exquisite. He sails like an acrobat and lands perfectly on a perch, like a gymnast landing a flawless dismount. Not only is there power to his muscle contractions but incredible speed as well."

UNDERGRADUATE NEWS

Gabriel Gomez, a senior Physiological Science major (at left), was one of three students honored in May with the 2011 Charles E. Young Humanitarian Award, one of the most prestigious honors given to UCLA undergraduates. From the UCLA Newsroom: "Gabriel Gomez received the award for his work with the Senior Buddies program of Pilipinos for Community Health (PCH) at UCLA. Gomez said that when he and other directors of PCH learned there was no service organization at UCLA that regularly provided direct support for the elderly, they contacted facilities near the campus to offer help. 'Senior Buddies happened because PCH couldn't say no when we saw the need and realized the value of mental and emotional health,' Gomez said."

226 students received B.S. degrees at Integrative Biology and Physiology graduation ceremonies this spring. Dean's Prizes at the 2011 Undergraduate Science Poster Day in May were awarded to the following Physiological Science majors: **Faraz Alizadeh, Peyman Farhangi Oskuei, Norianne Ingram, Alice M. Li, Elizabeth A. Wang,** and **Madeline H. Yung.**

GRADUATE STUDENT NEWS

A doctoral degree was awarded in Molecular, Cellular, and Integrative Physiology in Spring 2011 to **Dawnis Mong-Lai Chow,** a student of Dr. Mark Frye. Dawnis will be going on to a postdoctoral fellowship in the laboratory of Dr. Joseph R. Fetcho in the Department of Neurobiology and Behavior at Cornell University.

ALUMNI NEWS

Some of our alumni find us, and sometimes we find them. If we find you first, we'll ask you for permission to include your news on the web. If you'd like to let others know what you are doing, please email us at IBPchair@ibp.ucla.edu.

2010s

Ashleigh Denny '10, at right, is a medical student at UC Davis School of Medicine ('14). She is a student leader for the UC Davis chapter of Medical Students For Choice, and is interested in applying to an OB/Gyn residency.

Matthew Finzen '10, below left, is studying dentistry at the University of California, San Francisco. He writes, "After graduating from UCLA, I moved to San Francisco to pursue a DDS and continue developing my interest in research that I first experienced with Dr. David Walker of the Physiological Science Department. Now working to integrate stem cells into bone scaffolds to improve oral and maxillofacial surgery techniques, it wasn't the most logical step from a fruit fly lab investigating aging – but the Walker lab definitely put my foot in the right direction. Outside of school I continue to play rugby as I did for the UCLA Bruins, but now for the San Francisco Olympic Club and against people twice my age. I hope to keep my teeth in tact or no patient will trust me as their dentist! I loved my time with the physiological science department, thanks for the awesome faculty, classes, and friends."

Racha Khalaf '10, at right, is attending medical school at the University of Central Florida." Racha graduated from UCLA with a degree in Physiological Science and a double minor in political science and human complex systems. She is currently pursuing her passion for medicine as well as international health by volunteering locally in Orlando and abroad on medical mission trips. She has recently traveled to Haiti as part of a medical team from Philadelphia to take part in a vaccination campaign in the remote villages of Haiti. Racha reminisces of her days at UCLA and can't wait to visit the beautiful campus again soon.

Oanh Phan '10 is a student in the School of Nursing at Auburn Montgomery in Montgomery, Alabama.

Aya Takeoka '10 PhD (Phelps) is a postdoctoral fellow at Friedrich Miescher Institute and University of Basel.

2000s

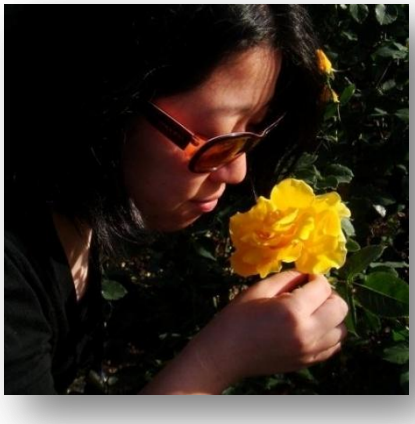
Gelareh Abedi '98 (Cell and Molecular Biology), MS '00 Physiological Science, at right, received her MD from the University of Vermont in 2004. She finished her residency at Yale Department of Ophthalmology in 2008 and continued her fellowship in vitreoretinal diseases and surgery at Boston University where she graduated in 2010. She is now an Assistant Professor in the Department of Ophthalmology at the University of Texas Health Science Center in San Antonio. Her main areas of interest are diseases and surgery of retina including macular degeneration, diabetic retinopathy, complex retinal detachments, and macular pucker. She writes, "I do a lot of research and I really hope to re-connect with my UCLA alumni network and do collaborative work."

Talin Evazyan '02 received her MD from UC San Diego in 2007. She writes, "After medical school, I finished a residency in anesthesiology at the UCLA department of anesthesia and I am currently doing a pain fellowship at UCLA for management of chronic pain."

Tasha Fernando '08 is a medical student at UCLA, class of 2013.

Frederick W. Freking '00 PhD (Schlinger) is an Associate Professor of Clinical Education at the USC Rossier School of Education. Dr. Freking began his career in Science Education as a biology major at the University of California, Santa Barbara. He earned his teaching credential at Azusa Pacific University and taught Biology and Human Anatomy and Physiology at Covina High School. His desire to learn science at a deeper level led him to the Barney Schlinger Lab in the Physiological Science Department at the University of California, Los Angeles. He completed his thesis on The Synthesis and Metabolism of Androgen in a Songbird: A Study of the Tissue Expression of the Sex Steroid Synthetic and Metabolic Enzymes to earn his Ph.D. in the field of neuroscience. Dr. Freking then accepted a faculty position in the UCLA Science Teacher Education Program where he was able to combine his science teaching and science research experience to prepare future science teachers. During the past ten years, Dr. Freking has taught Genetics, Molecular Biology, and Human Anatomy and Physiology to UCLA undergraduates and Science Teaching Methods to graduate education students. He has been a Co-PI on a NSF GK-12 Fellowship Grant and a NSF Robert Noyce Scholarship Grant. His research focuses on the impact of inquiry-based instruction in Los Angeles area high schools.

J. P. Hyatt '02 PhD (Edgerton), at right, is Associate Professor and Interim Department Chair, Department of Human Science, School of Nursing and Health Studies at Georgetown University. Dr. Hyatt's research interests include exercise physiology and skeletal muscle plasticity, specifically in the topics of muscle damage/soreness and the processes that dictate muscle growth (hypertrophy) and loss (atrophy).



Ophelia Lee '02, at left, is a freelance medical artist. She studied Medical and Biological Illustration at Johns Hopkins University. Her blog and portfolio can be seen at ophelialee.com.

Sylvia Lopez-Vetrone PhD '08 (Spencer), below right, is an Assistant Professor in the Department of Biology at Whittier College. Dr. Vetrone received a B.A. in Biology from Whittier College in 1999 and a Ph.D. in Molecular, Cellular and Integrative Physiology from the University of California, Los Angeles in 2008. In 2006 she began teaching at Whittier College as an Irvine Fellow and transitioned into an Assistant Professor in2008. Along with her teaching and research, Dr. Vetrone also serves as a coordinator for the Mellon Mays Undergraduate Fellowship, as the faculty advisor for both the Biology Club and Amigos Unidos (a Latino student association) at Whittier College, and is a member of the Hispanic Association of Colleges & University Health Science Advisory Committee and Faculty Caucus as well as a member of the Society for Advancement of Chicanos and Native Americans in Science. Dr. Vetrone's research interests are in the areas of immunology, disease pathology and cellular oxidative processes. Her current research involves using the C. elegans nematode animal model to 1) understand the role of soy and papaya dietary supplements with antioxidant properties on the DAF-2 Insulin-like pathway that is responsible for innate immunity (bacterial resistance), longevity (life span) and oxidative stress in the nematode animal model *C. elegans,* and 2) investigate toxicity properties of nanoparticles used for biosensors.

Ashley Smith '06, at left, is a clinical specialist in the Department of Neurology at UCLA. "In addition to receiving a B.S. in Physiological Sciences in 2006, Ashley Smith obtained her Masters in Public Health

from UCLA in 2010 and currently works as a clinical exercise specialist for the Department of Neurology at UCLA."

1990s

Douglas E. Albrecht '93, '98 PhD (Tidball), at left, did his postdoctoral research on the signaling aspects of the dystrophin cytoskeletal scaffold at the University of Washington. He is currently Director of Research at the Jain Foundation in Bellevue, Washington, whose mission is to cure muscular dystrophies caused by dysferlin protein deficiency. These dystrophies are collectively termed dysferlinopathy, and include Limb-girdle muscular dystrophy type 2B (LGMD2B) and Miyoshi muscular dystrophy 1 (MMD1). As an orphan disease, dysferlinopathy receives little or no funding from traditional sources. Therefore, the Jain Foundation actively recruits and funds quality scientists to work on dysferlinopathy. As Director of Research, Dr. Albrecht is involved in identifying promising new therapeutic avenues for LGMD2B, soliciting proposals from top quality researchers, evaluating scientific proposals, tracking progress of funded projects and coordinating the efforts of researchers in the field of dysferlinopathy."

David Lehigh Allen '91, 96 PhD (Edgerton), at right, is an Assistant Professor in the Department of Integrative Physiology at the University of Colorado. He is married to Dr. Tiffany A. Ito (B.S. '89 Psychology) and has a son, Ryan, who is five. They live in Boulder, Colorado. David teaches classes on cell physiology and muscle physiology at the University of Colorado. His research there focuses on the molecular physiology of skeletal muscle, and in particular on the expression and function of key genes during skeletal muscle growth and repair. David loved his time at UCLA and worked as an undergraduate research assistant in the laboratories of Dr. Edgerton and former Kinesiology faculty member Dr. Tara Scanlon while completing his degree.

Linda Capetillo-Cunliffe '97 is a project manager for the National Football League in Los Angeles.

Sage Claydon '93, at left, received an MD from the Medical College of Virginia at Virginia Commonwealth University. She returned to UCLA for residency, then completed a fellowship in Female Pelvic Medicine and Reconstructive Surgery (FPMRS) at the University of Medicine and Dentistry of New Jersey's Robert Wood Johnson Medical School. After fellowship she spent five years on the

faculty at the Brody School of Medicine at East Carolina University as an assistant professor in FPMRS with the department of OB-GYN. She is now in private practice in Richmond, VA.

Christopher A. Del Negro '98 PhD (Chandler), at right, is an Associate Professor of Applied Science in the College of William and Mary in Williamsburg, Virginia. His research focuses on motor pattern generation in mammals, including the neural generation of breathing behavior. His home page is people.wm.edu/~cadeln/.

Makan Delrahim '91, at left below, moved to the east coast after UCLA and attended law school at George Washington University, while working at the National Institutes of Health in the technology transfer office. He writes, "my kinesiology/physci degree came in very handy to mix with the study of law and business as it related to the application of intellectual property law and R&D for federally funded research." He has since been involved in various high-profile jobs in the government. After law school and a few years of private practice in Washington, DC, he went to the U.S. Senate Judiciary Committee to work as a technology and intellectual property counsel, where he worked on the last major overhaul of the US patent laws in 1999 and on the Senate's investigation into the anticompetitive practices of Microsoft. He was ultimately the Chief of Staff and Chief Counsel of the Judiciary Committee, where he dealt with the Patriot Act after 9/11, creation of the Department of Homeland Security and the oversight and drafting of various immigration, criminal and intellectual property laws. He says that his "science degree came in handy again as he was negotiating a $108 billion legislative settlement of the country's asbestos litigation problem where a number of victims have been inflicted with the serious disease of mesothelioma. We had the historic legislative action where much of the law was based on scientific research and had two respected medical doctors on hand to advise the Senators on the Committee on the implications of the amendments, the Senators then participating actively were Senators Orrin Hatch, who was Chairman, but also Senator Ted Kennedy, then-Senator and now Vice President Joe Biden, Senator Diane Feinstein, and the 2004 presidential candidate Sen. John Edwards." After the Senate he was appointed in 2003 to serve as the Deputy Assistant Attorney General at the U.S. Department of Justice, where he continued to focus on antitrust and intellectual property issues, but also on international law, where he led US delegations to the OECD, Organization for Economic Cooperation and Development in Paris, to the ICN Conference in Seoul, Korea, and the Shanghai Economic Forum. He is currently practicing back in Los Angeles, at the Century City offices of the national law firm Brownstein Hyatt Farber Schreck, LLP, where is a partner. He has served and continues to serve as an advisor at the UC Washington DC center to UC students interested in public service.

Barbara Loitz-Ramage '90 PhD (Zernicke), at right, is the Coordinator of the Riddell Movement Assessment Centre in Neuroscience, Alberta Children's Hospital, Calgary, Alberta, Canada.

Kerry Pawl '96 is a Doctor of Physical Therapy (USC) and a Director of Mission Home Health in San Diego.

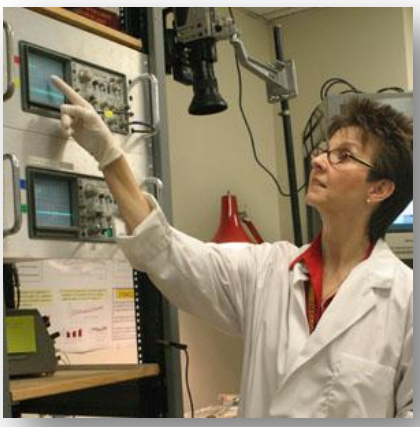
Vahe (Sam) Sardaryanst '98 , at left, writes, "Great to hear from the highly esteemed department at my favorite school which gave me the opportunity to dream bigger than my academic talents and grades. My teen age sister was going through chemotherapy and limb salvage surgery at the UCLA hospital for the two years of my study at the department and my grades suffered greatly due to that. She lost the battle to osteosarcoma while I was an undergraduate student at UCLA. I would like to extend my regards to Dr. Glanzman for understanding my situation and believing in me while I was a student in his department. . . . After UCLA I received a Masters in Public Health degree at the University of North Texas Health Science Center. Then I attended dental school at Baylor College of Dentistry and followed that with a residency in anesthesiology at Loma Linda School of dentistry. I now work as a dentist anesthesiologist performing general anesthesia and sedation for the pediatric and adult dental patients who are not able to receive their dental treatment solely under local anesthesia. I hope every student at the Integrative Biology and Physiology department makes the best of his/her time at the department. What I learned from the classes at the Phy Sci department did play an integral role at my future education as well as my daily career."

Graciela Unguez (Munoz), '94 PhD (Edgerton), at right, is an Associate Professor in the Department of Biology at New Mexico State University. The National Academies have named Dr. Unguez an Education Fellow in the Life Sciences for the 2010-2011 academic year.

1980s

Maria Alaimo '80 received an MD from Jefferson Medical College and is a physician at the Kaiser Permanente Santa Clarita Medical Offices in Valencia, California.

Nina Bradley '86 PhD (Smith), at right, is an Associate Professor of Biokinesiology and Physical Therapy in the Ostrow School of Dentistry, and of Cell and Neurobiology in the Keck School of Medicine, and Director of the Motor Control Development Laboratory at USC.



Todd Dart '87 is a Research Physiologist at Wyle Integrated Science and Engineering Group in San Antonio, Texas. A retired US Air Force officer, he received an MS in Biology from the University of Texas at San Antonio, and is a PhD student in Wildlife and Fisheries Science at Texas A&M

University with an emphasis in physiological ecology. As a Wyle employee, he will manage and conduct aerospace physiology research and life support equipment test and evaluation.

Brian Dorfman '86, at left, heads Dorfman Kinesiology, with locations in San Diego and Morro Bay. His website is www.briandorfman.com.

Brenda Riemer '82 received her doctorate in kinesiology from Michigan State University, and is an Associate Professor of Sport Management at Eastern Michigan University.

Andrea M. Valmore '84 writes, "I did not go to Physical Therapy School, as I had intended. I moved back to my small hometown. Since I had enough Psych and Sociology classes, I was hired in Solano County as a Medi-Cal worker in Feb. of 1985. I have promoted in the years since and am actually the senior most Senior Deputy Probation Officer in our county. However, I utilized by knowledge of the human body and sciences to own and operate a Curves gym. I qualified to teach Dance (I took a year of dance at UCLA) at the local community college because of the breadth of knowledge I received from UCLA! I have also taught dance in the community with emphasis on Hip Hop, Modern Dance, Semi Pro cheerleading and now Zumba!"

Steven Winter '83, at right, received an MS in Physical Education-Athletic Training from the University of Arizona and an Ed.D. from the University of San Francisco. He is an Associate Professor of Kinesiology at Sonoma State University.

1970s

Sheila King '79 BS and '82 MS is a Clinical Exercise Physiologist and former Certified Program Director for the American College of Sports Medicine. She is currently working as a Continuing Educator in the Department of Humanities and Sciences at UCLA Extension where she administers over 200 courses in the sciences and public health and supervises 100 part-time instructors each year. As an instructor at UCLA Extension, she taught degree-credit courses in human physiology and exercise physiology. Sheila also worked 6 years for Microsoft Corporation as a product development and Online Health and Fitness Consultant, contributing articles and answering reader health and fitness questions on MSN and MSNBC. She has been an editorial consultant and served on several Exercise Video Review Boards for SHAPE Magazine. She has also had extensive experience working in Cardiac Rehabilitation and Wellness Programs at Santa Monica Hospital and UCLA and was Director of Health Promotion Programs at Centinela Hospital. Her special interest is the prevention and treatment of type II diabetes.

1950s

John S. Hook '57 writes, "I just retired after 51 years in the elementary classroom as a regular classroom teacher for 31 years and a Title 1 reading teacher for 20 years. UCLA prepared me for the marathon of elementary school teaching where physical condition is as important as academic knowledge. You have to like kids to survive. My years at UCLA 1954-1957 were the glory years of football national championships and Wooden years of basketball. My graduate preparation allowed me to receive a doctorate from University of California, Santa Barbara in l983. Such good memories."

WE WANT YOUR PICTURES!

Do you have photographs of your time at UCLA as a graduate or undergraduate student? Please forward them to us at IBPchair@ibp.ucla.edu, and let us know who appears in the picture. We'd like to publish them in the next newsletter to stir some alumni memories.

LIFETIME EMAIL FORWARDING

Whether you are emailing friends, colleagues or future employers, you can show your Bruin pride by establishing and using your @ucla.edu email forwarding address. You'll never need to send out another *I've changed my email address* message again. Register for Lifetime Email Forwarding today at https://www.uclalumni.net/NewsLinks/lifetime.cfm.

BRUINWORKS

BruinWorks is the online, interactive network exclusively for UCLA alumni. This dynamic site allows alumni to connect professionally and personally. BruinWorks is a UCLA graduate's most valuable resource. BruinWorks enables you to:

- Search for jobs, résumés and alumni businesses
- Network socially and professionally in one place
- Access the only comprehensive alumni directory available
- Explore an all-inclusive listing of UCLA events worldwide
- Connect your Bruin experience to other online networks
- Find reliable content from university resources

Please visit www.bruinworks.com and click on "LOG IN" in the top right corner. If you don't have an account, you can click on "SIGN UP". If you do have an account, you can log-in with your e-mail address and password.

GIVING TO THE DEPARTMENT

If you are interested in giving to the UCLA Department of Integrative Biology and Physiology, please visit http://www.ibp.ucla.edu/giving.php. Your donation, **regardless of amount,** has a powerful impact on the research and educational activities that take place in our department, and it is greatly valued and appreciated.

Alumni interested in making a gift to the Department by endowing a scholarship, supporting faculty research, or making a planned gift or other gift, should contact Dounia Sadeghi, Assistant Director of Development, Life Sciences, at 310-825-3277 or dsadeghi@support.ucla.edu.

Alumni and friends who are, or wish to become, Chancellor's Associates may now direct their annual gifts to the UCLA Department of Integrative Biology and Physiology and retain all the benefits that have traditionally been given to Chancellor's Associates. For information, visit http://www.uclafund.ucla.edu/gtg/donorrecognition.aspx.

Membership in the UCLA Alumni Association has many benefits (discounts, networking, career services, news and information, and just plain fun). Find out more at http://alumni.ucla.edu/join/join-now/home.cfm.

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