SENIOR RESEARCH ASSOCIATE 44,800 .19 8,512 pdf

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She is a member of the international transporter consortium steering committee, the American Society for Clinical Pharmacology and Therapeutics ASCPT board of directors, and she is a member of the following editorial advisory boards: She served as a member of the NIH pharmacology study section , the NIH quantitative and systems pharmacology working group , and co-chair of the NICHD pediatric transporters working group As an Associate Professor and the Associate Chair for Strategic Initiatives at Harvard Medical School in the Department of Physical Medicine and Rehabilitation, she is recognized nationally and internationally as an innovator, academician, teacher, award-winning author and highly successful businesswoman. As a speaker, Dr. This led her on a difficult but valuable journey, and she went on to found Oncology Rehab Partners LLC, a healthcare company dedicated to helping hospitals and cancer centers develop and implement cancer rehabilitation services through the STAR Program Certification. That same year, Dr. Today, hundreds of hospitals and cancer centers throughout the United States have adopted the STAR Program, and recently the largest healthcare company in the U. Each year hundreds of healthcare professionals from all corners of the nation come to Boston to attend the continuing education courses that she directs at Harvard Medical School titled "Career Advancement and Leadership Skills for Women in Healthcare " and "Writing, Publishing and Social Media for Healthcare Professionals". Her courses are among the highest-rated at Harvardâ€”a very high bar indeed. One attendee summarized Dr. Caplan, PhD, is currently the Drs. He received his PhD from Columbia University. Caplan is the author or editor of 32 books and over papers in peer reviewed journals. He has served on a number of national and international committees including as the chair of the National Cancer Institute Biobanking Ethics Working Group; the chair of the advisory committee to the United Nations on Human Cloning; the chair of the advisory committee to the Department of Health and Human Services on Blood Safety and Availability; a member of the Presidential Advisory Committee on Gulf War Illnesses; the special advisory committee to the International Olympic Committee on genetics and gene therapy; the ethics committee of the American Society of Gene Therapy; the special advisory panel to the National Institutes of Mental Health on human experimentation on vulnerable subjects; and the Wellcome Trust on research in humanitarian crises. Caplan writes a column on bioethics for NBC. He appears frequently as a guest and commentator on various other national and international media outlets. He was described as one of the 10 most influential people in science by Discovermagazine in He has also been honored as one of the 50 most influential people in American health care by Modern Health Care magazine, one of the 10 most influential people in America in biotechnology by the National Journal, one of the 10 most influential people in the ethics of biotechnology by the editors ofNature Biotechnology. Caplan holds seven honorary degrees from colleges and medical schools. The major focus has been on the production of amyloid-b, a small protein that deposits in the Alzheimer brain and that is now believed to be the fundamental toxic entity initiating the disease. The g-secretase inhibitors developed in the Wolfe lab have served as chemical probes, providing critical information on the mechanism, identity and biological role of this key protease. With these chemical probes, along with molecular biological and biochemical approaches, Dr. Wolfe and colleagues discovered that this key Alzheimer target is a novel enzyme complex that uses water in the otherwise water-excluding environment of the lipid bilayer to produce amyloid-b. Wolfe received his BS. After five years on the faculty at the University of Tennessee, he joined the Harvard faculty in For the 27th Annual Krantz Lecture, Dr. April 18 "Integration of the Education and Research Missions: Dean Blouin has been extensively involved transforming the professional and graduate curricula at UNC, coined the Educational Renaissance. He has also led national discussions on the issues of clinical pharmaceutical scientist training, particularly at the graduate level. During his nine-year tenure at UNC, the Eshelman School of Pharmacy has experienced significant growth in its research and education programs. The School is presently ranked No. During that time, he served as the associate dean for research and graduate education as well as

executive director of the Office for Economic Development and Innovations Management In , he cofounded both the National Cancer Biology Training Consortium, which promotes scientific excellence among the next generation of cancer researchers; and the Pancreatic Cancer Alliance, an all-volunteer patient advocacy organization devoted to supporting pancreatic cancer research and education. In particular, he is interested in how tumor cells evade the normal processes that cause cells with genetic faults to self-destruct. Understanding these mechanisms could provide new therapeutic targets and novel approaches for virtually every type of human cancer. April 14 Defending Rights or Defending Privileges: In particular, how health care professionals make sense of experiences in which time-pressured decisions are required in situations filled with un-resolvable uncertainty. When those decisions lead to adverse outcomes, he is interested in which decisions are considered blameless and blameworthy. He has three ongoing funded research projects: He continues to work on the sociology of bioethics, research ethics, and the regulation of research; and the rise and fall of heath care problems in the public arena. April 8 "Child and Youth Disability: Prior to coming to CDC, Dr. Lollar practiced rehabilitation psychology for 25 years, providing assessment and therapy services to children, adults, and families across the lifespan. Lollar is an initiator and member of the World Health Organization task force to adapt the international classification ICF for children and youth with disabilities. He has edited a book entitled Pediatric Drug Development: He serves on the boards of the Institute of Pediatric Innovation, a nonprofit for drug formulation development for children, Go4TheGoal, a nonprofit involved in pediatric cancer and is involved in community affairs at the Jewish Community Center in Cherry Hill, NJ. Dr Mulberg has a wife, Elyse Kopp, D. Proteins, lipids and the gas, nitric oxide, produced by the endothelium protect blood vessels from environmental stress, oxidative damage and thrombosis which in turn maintains the patency of blood vessels and ensures the precise delivery of nutrients and oxygen to tissues. In most cardiovascular diseases, diabetes, as well as in cancer, dysregulation of the vascular endothelium contributes directly to disease progression. Thus, our lab is generally interested in what etiologic factors or genes regulate the transition of a healthy "normal" endothelium to a a lab we integrate molecules to disease, and use a broad range of technologies and strategies to achieve our goals. One particular pathway that has been a long standing interest in the lab is understanding the detailed molecular control of the enzyme endothelial nitric oxide synthase eNOS , the NOS isoform localization and by dynamic protein-protein interactions that act as a rheostat to control the duration and magnitude of NO production. As a paracrine mediator, NO causes vasodilation, prevents platelets and leukocytes from sticking to the endothelium, regulates the remodeling of blood vessels. As an autocrine mediator, NO regulates vascular permeability, growth and organization of endothelial cells into angiogenic sprouts. Thus, insights into understanding how signal transduction mechanisms activate eNOS have led to potential novels therapeutics and models of human disease. We have shown that eNOS is a peripheral membrane protein targets to plasma membrane caveolae and the Golgi complex and while in caveolae is negative regulated by its interaction with the caveolae coat protein, caveolin Caveolae are anatomical microdomains with unknown functions but are speculated to play a role in signal transduction, protein transcytosis and fluid homeostasis. Biochemical, genetic and pharmacological approaches have shown that the interaction of caveolin-1 with eNOS regulates systemic blood pressure, vascular permeability and angiogenesis. Recent insights into the role of the eNOS-caveolin-1 interaction have been elucidated using a cell permeant peptide that blocks the in vivo interaction of caveolin-1 with eNOS and serves as an antagonist of eNOS. Using in vivo models of inflammation and tumor progression, treatment of mice with this peptide reduces disease by blocking vascular permeability, thus providing a novel strategy for treating inflammation and cancer. Most importantly, these results illustrate the principal that non-canonical regions of protein-protein interactions can be identified in vitro and manipulated in vivo as a "proof-of-concept" to test the importance of any protein-protein interaction in a disease model. In the context of signaling, we have discovered that one of the major roles of the protein kinase Akt in vivo is to phosphorylate and regulate eNOS. Mice lacking eNOS or Akt-1 exhibit severe limb ischemia and are excellent models for peripheral vascular disease in humans. Interestingly, endothelial cells and vascular smooth muscle cells express not only Akt-1, but Akt-2 and As a method to correct these gene deficiencies, we have developed a novel approach to improve therapeutic gene transduction. Co-complexation of cell permeable

peptides with viruses AAV, adenovirus and retrovirus improves viral delivery of therapeutically active genes in vivo such as eNOS and can rescue the loss of limb phenotype in mice lacking eNOS or Akt. Ongoing experiments examining how these peptides improve viral uptake and the mechanisms of how eNOS or Akt regulate cellular functions are being explored in fibroblasts or vascular cells isolated from knockout mice. An additional pathway that impinges upon both eNOS and Akt is hsp Hsp90 is a highly conserved protein in evolution and in mammals functions in signal transduction by serving as a scaffold for kinases or substrates. In endothelial cells, hsp90 is critical for angiogenic factors such as vascular endothelial growth factor VEGF to promote cell adhesion, NO production, cell migration and angiogenesis. Thus, we have mapped the sites of interaction between the protein partners and have generated several peptides that block the docking of either eNOS or Akt onto hsp90 that will be tested in models of inflammation and cancer. We are also embarking on using structural approaches to understand the interaction of eNOS with the negative regulator, caveolin-1, and the positive regulators Akt and hsp A newly emerging theme in the lab is using proteomics to discover novel proteins that may regulate blood vessel function. We have isolated caveolae from endothelial cells in culture and have identified several new proteins. As an example, we have identified Nogo-B which had no known function. Nogo-B is a member of the reticulon family of proteins including Nogo-A and -C. Nogo-A produced in oligodendrocytes has been identified as an inhibitor of axonal growth and repair. We discovered that Nogo-B promotes the adhesion of endothelial cells and smooth muscle cells and is a potent chemoattractant for endothelial cells. In contrast to its motogenic properties in the endothelium, Nogo-B blocks PDGF mediated migration of smooth muscle cells. More importantly, Nogo-B is highly expressed in most blood vessels and disappears after vascular injury. The genetic loss of Nogo-B does not influence vascular development but is essential for post-natal vascular remodeling and responses to tissue ischemia. Thus, a major effort is underway to clone the receptor s for Nogo-B and to dissect its signaling mechanisms using genetic and pharmacological strategies. We are presently developing the requisite biochemical and genetic tools to dissect this pathway and apply the information to human diseases. April 19 "Protein Design at the Crossroads: He received a B. As a graduate student, he co-founded the company Molecular Simulations, Inc. Mayo also co-founded Xencor in and serves on its scientific advisory board. Mayo, a member of the Caltech faculty since , has worked for the last several years on a system for designing, building, and testing proteins with novel biochemical properties. The system automatically determines a string of amino acids that will fold to most nearly duplicate the 3-D shape of a target structure. The focus of the lab has been the coupling of theoretical, computational, and experimental approaches for the study of structural biology. In particular, the development of quantitative methods for protein design with the goal of developing a fully systematic design strategy called "protein design automation. Mayo is a member of the National Academy of Sciences since April 20 "Genetics and Computing: They are transforming biology and medicine from descriptive, empirical disciplines into mechanistic, information-based sciences. It is also launching a new era of molecular medicine founded on a sophisticated comprehension of the molecular pathology of diseases and its application to the creation of increasingly rational strategies for the diagnosis and treatment of disease and, longer term, disease prediction and prevention. These trends are only in their infancy. Full realization of these opportunities will demand construction of large scale databases and novel data mining technologies to elucidate the fundamental design principles in biological systems, to establish how genetic programs direct the construction of higher order biological assemblies and to create robust algorithms for human population genetics and individual risk profiling for multigenic disorders. The daunting scale and capital investment to build the required networks, combined with perplexing ethical and legal issues related to privacy, confidentiality and societal expectations and fears, will impose unprecedented demands on the investment, research, medical and legislative communities. The evolution of large scale medical informatics and the Internet-based health services will also produce profound changes in clinical practice and medical education, increase the importance of the consumer in healthcare decisions and cause major dislocations in the healthcare value chain. April 21 "From Bench Science to Bedside:

2: Research Fello | University of Birmingham

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Kiernan, Michaela Senior Research Scientist Kiernan Group X Koehler, Alana Administrative Associate Gardner Group X3C16 Lang, Amy Administrative Associate Stefanick Group X3C

3: Alumni US | Salem State University, Greater Boston Area

Dilip V. Jeste, MD is the Associate Dean for Healthy Aging and Senior Care, Estelle and Edgar Levi Chair in Aging, Director of the Sam and Rose Stein Institute for Research on Aging, and Distinguished Professor of Psychiatry and Neurosciences, at University of California, San Diego.

4: Atmospheric Science | Earth and Environmental Sciences

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as senior research associate-microbial bioinformat-ics. Huntley will work with the forage additives research group to clarify information contained.

6: DUKE-NUS Medical School - Key Contact Information

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7: Action Jobs, Employment | www.enganchecubano.com

Most research assistants work in academia, either in the science or humanities departments at a university, or for research institutes. Duties may include collecting data from the library and other sources, conducting surveys, and recruiting volunteers.

8: Archive of Previous Krantz Lectures | University of the Sciences

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9: NAFTA â€“ News, Research and Analysis â€“ The Conversation â€“ page 4

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