

focus

Ambros wins pair of prestigious awards

UMMS Professor of Molecular Medicine Victor R. Ambros, PhD, spent a busy week in April receiving two prestigious scientific accolades—the Canadian government’s 2008 Gairdner International Award and the Benjamin Franklin Medal in Life Sciences—for his work in identifying microRNAs, the short, single-stranded RNA molecules that have been found to play a critical role in gene regulation. Ambros shared both honors with Gary Ruvkun, PhD, of Harvard Medical School, and the Franklin Medal was also shared with David Baulcombe, PhD, of the Sainsbury Laboratory in England.

“When we recruited Dr. Ambros to UMMS, we knew his presence would have a profound impact on our growing RNA community,” said Michael F. Collins, MD, interim chancellor. “He is an integral part of a remarkable group of RNA scientists here at UMMS who, together, are advancing our understanding of biological mechanisms and furthering the field of biomedical science.”

The Gairdner International Award, nicknamed the “Canadian Nobel,” was established in 1957 and is nationally sponsored by the Canadian Institutes of Health Research to recognize “outstanding contributions by medical scientists worldwide whose work will significantly improve the quality of life.”

The Franklin Institute Awards are awarded for “outstanding achievements that have directly and positively impacted and enhanced the quality of human life and deepened our understanding of the universe.”

“It’s a wonderful honor and, indeed, a very pleasant surprise to receive these awards, and I am terribly grateful to the Gairdner Foundation and the Franklin Institute for the recognition,” said Ambros. “These awards reflect my good fortune to have worked with fantastic mentors and wonderful students and collaborators. But more broadly, I see the awards as recognizing the vital importance of our continued support of basic research.”

Ambros, who joined UMMS in 2007, is widely regarded as a central figure in RNA biology for his discovery and his continuing work with microRNAs. The first microRNA was discovered by Ambros and his lab in 1993 and since then, he and others have identified a wide variety of genes for diverse microRNAs in animals and plants, raising new questions about gene regulation and expression.

“The hope is that the discovery of microRNAs will open the door to a deeper understanding of complex biological processes. With the outstanding scientific contributions of Dr. Ambros and his colleagues at UMMS, that hope becomes much more attainable,” said Terence R. Flotte, MD, dean of the School of Medicine, executive deputy chancellor and provost. ■



Victor Ambros, PhD

UMMS ranks in top 10 percent of *U.S. News & World Report’s* primary care category

Once again, UMMS has ranked highly in primary care education among the nation’s 129 fully accredited medical schools and 25 schools of osteopathic medicine by weekly news magazine *U.S. News & World Report* in its annual review, “America’s Best Graduate Schools.” UMMS, which placed 13th this year, has been in the top 10 percent in this category since 1994 when the magazine began publishing the rankings in its “America’s Best Graduate Schools” issue. Of note, UMMS is the only school in the top 50 that accepts no out-of-state students into its MD program.

“We take great pride in our roles as educators and mentors, and we are continually delighted by this sort of external validation of our success as we strive to fulfill the Medical School’s mission of primary care education,” said Interim Chancellor Michael F. Collins.

UMMS graduates are poised to excel in their medical careers. Members of the class of 2008 were accepted into some of the most competitive residency programs in the country, with 59 percent of graduates entering primary care (71 percent including obstetrics/gynecology and emergency medicine). As defined upon its creation by the state legislature in 1962, the school’s mission focuses on providing highly trained primary care physicians to practice in underserved areas of the state.

“It is extremely gratifying to learn that, once again, UMass Medical School has been ranked by *U.S. News & World Report*

as one of the leading medical schools in the nation in educating future physicians for careers in primary care. This area of medical practice has been a UMMS specialty for many years. UMass Medical School graduates have consistently used their knowledge, skills and training to provide high quality medical care for the citizens of the commonwealth and for people throughout the nation and the world,” said University of Massachusetts President Jack M. Wilson.

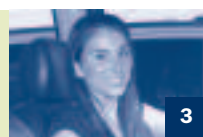
The *U.S. News and World Report* rankings of the nation’s accredited medical schools and schools of osteopathic medicine are based on measures of academic quality that are weighted by reputation among faculty and residents, research activity, student selectivity and faculty resources. To read more about the *U.S. News & World Report* rankings, visit www.usnews.com. ■



UMMS was once again ranked among the top medical schools for primary care education. And again this year, more than half of the graduating medical students will be entering primary care, having matched with some of the most competitive residency programs in the country. A Match Day scene is pictured above.

Get in Focus

Have a story idea, a faculty, student or staff achievement, or a campus-wide event for the calendar? Send it to the *Focus* editor at focus@umassmed.edu



UMMS celebrates teachers at annual Educational Recognition Awards

UMass Medical School Interim Chancellor Michael F. Collins joined UMMS community members in honoring the institution's educators during the 2008 Educational Recognition Awards last month. Since the establishment of the awards ten years ago, the annual ceremony brings the UMMS campus together to celebrate medical educators' achievements in teaching and mentoring UMMS students.

"Our students, faculty, staff and administrators make our institution a leader in many realms, and we are pleased to recognize those individuals who are unwavering in their practice of excellence in education and service," said Dr. Collins.

Collins then presented two faculty members with the Lamar Soutter Award for Excellence in Medical Education, given in memory of the founding dean. The award recognizes faculty who have established a record of excellence and have left a mark on

not only UMMS, but medical education in America. The recipients are selected by a nomination and vote of the entire UMMS faculty. This year, the award was presented to Merrill K. "Ken" Wolf, MD, professor of cell biology and neurology, and Sheldon Benjamin, MD, professor of psychiatry and neurology.

Dr. Wolf has taught neuroanatomy every year since UMMS accepted its first students in 1970. He has been recognized with UMMS educational awards on numerous occasions



Ken Wolf, MD, and Sheldon Benjamin, MD, this year's recipients of the Lamar Soutter Award for Excellence in Medical Education

throughout the course of his career including Outstanding Medical Educator Awards in 1978 and 1979, the first two years in which educational awards were presented.

As the Director of Psychiatric Education and Training since 1995,

Dr. Benjamin oversees residency training in psychiatry and the psychiatry clerkship. He created the Neuropsychiatry Program, runs a neuropsychiatry journal club for trainees and teaches the psychiatry clerkship and residency didactics. ■

2008 Educational Recognition Award recipients

Lamar Soutter Award for Excellence in Medical Education

to clinical and basic science faculty who have made an indelible imprint on UMass and American medical education

Sheldon Benjamin, MD
Merrill K. Wolf, MD

Graduate School of Biomedical Sciences Dean's Award

for outstanding faculty contribution to graduate education

Carole C. Upshur, EdD

Graduate School of Nursing Dean's Award

for outstanding faculty contribution to graduate nursing education

Omanand Koul, PhD

School of Medicine Educational Achievement (Star) Award

for outstanding individual achievements in medical education

Roger W. Craig, PhD; Jeanne B. Lawrence, PhD; Francis P. Renzi, MD; Thomas W. Smith, MD; and Ralph Zottola, PhD

Graduate School of Biomedical Sciences Dean's Awards

for most outstanding thesis dissertation

Bulent Ataman, PhD

for outstanding mid-thesis research achievement

Trevor Morin

for outstanding curriculum achievement

Suewei Lin

Jeffrey Shearstone

Graduate School of Biomedical Sciences Student Service Award

for outstanding mentoring

Alison Bright
Katryn Harwood

Graduate School of Nursing Community Service Award

to first-year, master's-level students for significant contributions and commitment to community programs for the underserved

Flu/IV Insertion Group
William Allsop, RN
Elizabeth Lachapelle, RN
Maureen Maloney, RN
Bernadette Quinn-Bell, RN
Melissa Racine, RN
Margo Wood, RN

Graduate School of Nursing Advanced Community Service Award

to second-year, master's-level students for exceptional initiative and leadership in education and community service

Aimee Bollentin, RN
Daniel Eurich, RN
Ruth Foster, RN
Kathryn Harris, RN
Christine Hoogasian, RN
Johsie Oliva, RN

UMass Memorial Medical Center Outstanding Graduate School of Nursing Critical Care Preceptor Award

Dawn Carpenter, MS, APRN-BC
Margaret Emmons, APRN-BC

Worcester Pipeline Collaborative and Outreach Programs Outstanding Mentor Award

to recognize student mentors who exceed their placement parameters and/or have significant impact on the program participants

Claudio Debarros, Class of 2011

Graduate School of Biomedical Sciences Distinguished Faculty Awards

for outstanding service in the area of student development

Arthur M. Mercurio, PhD

Graduate School of Biomedical Sciences Faculty Achievement Awards

for outstanding contributions to curriculum development

George W. Reed, PhD

for outstanding mentoring in the research setting

Christopher M. Sassetti, PhD

for outstanding contributions in the lecture and classroom settings

William R. Kobertz, PhD
William E. Royer Jr., PhD

Graduate School of Nursing Distinguished Faculty Award

for an outstanding educator who best exemplifies excellence in teaching

Graduate Entry Pathway Program:
Sandra L. Leiby, MS, AP-BC, ANP
Master's Program:
Margaret Trussler, MS, APRN, BC, ANP
Doctoral Program:
Carol Bova, PhD, RN, ANP



The GSN introduced a new award in honor of the late Sheila Porter who was a beloved mentor, teacher and advocate. Jane E. McCue is the inaugural recipient.

GSBS Dean's Award recipients, left to right are Bulent Ataman, PhD, Trevor Morin, Suewei Lin and Jeffrey Shearstone



Graduate School of Nursing Community Faculty Award

for significant community contributions and commitments to precepting students in hospital and community-based clinical settings

Acute Care:

Susan L. Kozciz, ACNP, APRN

Dual-Track Geriatrics Nurse Practitioner:

Timothy McGrath, APRN-BC

Family Nurse Practitioner:

Anne Amberg, MS, APRN, BC, ANP, CNM

Nurse Educator:

Allison Shields, RN, MSN

Primary Care:

Kathleen Zarycki, FNP, ACNP

Graduate School of Nursing Sheila Porter Nurse Practitioner Preceptor Award for Excellence

for a preceptor who goes above and beyond in mentoring, teaching and advocating for students

Jane E. McCue Magner, MS, RN, CFNP

School of Medicine Student Educator Award

for outstanding achievement in medical education

Rachel Androphy, Class of 2009

Darrah Doyle, Class of 2009

Jake Mandell, Class of 2008

Olga Valdman, Class of 2009

School of Medicine Educational Achievement (Star) Team Award

for unwavering commitment to working in the best interests of the entire undergraduate medical education program

CIP II Conveners
Robert A. Baldor, MD
Susan B. Gagliardi, PhD
Deborah C. Field, MD
Melissa A. Fischer, MD
Julie A. Jonassen, PhD
Edward Peskin, MD
Thomas W. Smith, MD

Emeritus/Emerita Award for Excellence in Medical Education

for ongoing contributions by retired basic science and clinical faculty to the education of our medical students

Mary E. Costanza, MD

School of Medicine Community Faculty Educator Award

for sustained excellence in undergraduate medical education in the community setting

Katherine J. Atkinson, MD, UMass Family Medicine Clerkship-Amherst
Peter C. Lindblad, MD, St. Vincent Hospital
Karen L. Peterson, MD, Milford Regional Medical Center
William A. Tosches, MD, Milford Regional Medical Center

School of Medicine Patient-Teacher Awards

for significant contribution to medical education over a period of years

Patient Instructor: The Ighile Family

Resident Educator Award

for outstanding teaching and mentoring of students by residents

David Gilchrist, MD
Steven Hatch, MD
Margo Lauterbach, MD
Bradley Switzer, MD
Neal Tyrrell, MD

Outstanding Medical Educator Award

for best representing the medical profession and significantly contributing to students' basic science education

David M. Clive, MD
John M. Cooke, PhD
Henri F. Cuénoud, MD
Susan B. Gagliardi, PhD
Anne M. Gilroy, MA

Taking preventive measures

Vehicle collisions are the leading cause of death among teens, and nearly 60 Massachusetts teens between 15 and 18 were killed in traffic crashes involving teen drivers in 2005. Roughly two-thirds of teens killed in collisions throughout the United States were not wearing seatbelts, according to a 2002 report by the Fatality Analysis Reporting System, and in 2005, MassSAFE reported that 43 percent of Massachusetts teens did not use seatbelts. This spring, Graduate School of Nursing students Christopher Caffrey, '09, and Allison Learned, '09, will try to affect those numbers by launching an educational program about seatbelt use aimed at teens between 14 and 16 at Milford High School.

"Everyone knows it is difficult to change a person's behavior, especially older teens who do not wear seatbelts because they may think they're rebellious or it's just not 'cool,'" said Caffrey. "But we want to deter those attitudes in young teens before they enroll in drivers' education, learn how to drive and begin riding as a passenger in a friend's car. We want to show them that seatbelts save lives."

While completing a trauma and injury prevention clerkship with the Injury Free Coalition for Kids Teen R.I.D.E. program, Caffrey and Learned saw a need to educate high school freshmen and sophomores about proper seatbelt safety before they become at risk for injury or death as a result of crashes. "Only three of the 15 teen drivers participating in

Teen R.I.D.E. claimed they wore a seatbelt while driving or as a passenger, and we were alarmed," said Learned. "We conducted additional research and we found that Massachusetts teens are at a great risk for injury, but with proper education on seatbelt use, fatalities and injuries can be prevented." With the help of Mariann M. Manno, MD, clinical associate professor of pediatrics and emergency medicine, and Anthony L. DeRoss, MD, assistant professor of surgery, Caffrey and Learned developed the Seatbelt and Friend Education (S.A.F.E.) program.

During S.A.F.E., Caffrey and Learned reach out to the students by using a variety of methods. They discuss seatbelt statistics; show photographs of vehicles involved in collisions



GSN students Christopher Caffrey and Allison Learned were moved to develop a seatbelt awareness training program for young teens when they learned through a clerkship that seatbelt use by teenagers isn't universal.

as well as videos that demonstrate how to properly use a seatbelt; describe injuries that result from not wearing a seatbelt; and detail the damage a person who is not buckled-in can inflict on other passengers during a collision. The students also complete a seatbelt-use survey, which they discuss at the end of the program.

This spring at Milford High, Caffrey and Learned will present S.A.F.E. to freshmen and sophomores during health classes and solicit the teens' feedback. They'll return in August to deliver the S.A.F.E. program to freshmen as part of the students' high school orientation. To maximize the program's efficiency and reduce costs

for the school, Caffrey and Learned will use a "train the trainer" model to train students involved in the high school's SADD (Students Against Destructive Decisions) chapter to deliver the S.A.F.E. program to incoming freshmen.

Other Massachusetts school districts have taken an interest in S.A.F.E. Caffrey and Learned are now working with the Hopkinton and Hopedale high schools to launch a S.A.F.E. program in the near future. "We're definitely looking forward to working with high schools throughout the commonwealth to implement this program," said Learned. ■

Tobacco Free responsibilities defined

The Tobacco Free Initiative at UMass Medical School and UMass Memorial Medical Center becomes effective on Tuesday, May 27. Every member of the UMMS and UMass Memorial communities has a role to play in the successful transition to a healthier environment.

At the front lines are the school and clinical system's **employees and students**, who are responsible for learning about and adhering to the new tobacco free policies. (Available on the UMMS and UMass Memorial intranets.) Additionally, **Public Safety Assistants (PSA)** will continue their vigilant efforts to inform and courte-

ously remind anyone they observe using tobacco onsite, including patients and visitors, that the campuses are tobacco free. **Human Resources** at both UMMS and UMass Memorial will also have a leadership role, informing employees of the new policy and discussing it at all new employee orientations; HR continues

to provide information on smoking cessation and tobacco alternatives such as nicotine replacement therapy. HR will also provide guidance and assistance to **managers and supervisors**, who will be responsible for explaining and implementing the policy in their departments.

Managers and supervisors also can help advise employees who use tobacco and are having difficulties complying with the policy on alternatives, including referring employees to the

Employee Assistance Program (EAP). If corrective action becomes necessary, it will be undertaken in consultation with Human Resources according to the terms of the progressive discipline policy already in place.

The smoking cessation, tobacco alternative and nicotine replacement benefits that began March 1 continue to be valuable in assisting employees, faculty, students and volunteers make the transition to a tobacco-free

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employees infocus

May Employee of Distinction Award

Vitals

Paul Scopa, assistant director and project lead; Stephen Curran, assistant director; Susan Donnelly, Laverne Newman, Michael Paul and Julie Sands, senior managers; Brian Boyle and Shannon Wallace, managers; Debra Souza-Lamothe, supervisor; Elizabeth Donovan, associate
Revenue Operations Public Provider Reimbursement Unit
Center for Health Care Financing, Commonwealth Medicine

Professionally Speaking

In January 2006 new regulations from the Centers for Medicare and Medicaid Services (CMS) mandated that by May 2007, all health and human services agencies and providers obtain National Provider Identifiers (NPI), universal identifiers for claims processing and reimbursement, as part of compliance with the Health Insurance Portability and Accessibility Act. The mandate created a large, unanticipated workload to be completed on an ambitious schedule by the Public Provider Reimbursement

(PPR) Unit. The team's success ensured that reimbursement to providers remained constant.

"The state agencies we serve are dependent on the revenue PPR generates to ensure uninterrupted service for the thousands of needy individuals they collectively serve," explained PPR director and nominator Rosemarie Christie. "This multifaceted project required attention to detail, consistent communication and strong collaboration." PPR made key contacts at all the agencies and service providers affected, completing applications on behalf of each provider and resolving numerous information systems, operational and payer issues along the way to obtaining 137 new NPI.

Points of Pride

Working alongside client partners at 17 locations across the state, the PPR team is an integral part of each provider's



operations. "Despite the many regulatory changes and growing challenges in health care finance, the team capitalized on the excellent relationships already established and made this transition seamless and easy for all our clients," said Christie.

Calendar

information infocus

Parking changes

To ease the parking crunch for patients and visitors, an off-site parking and shuttle plan will be implemented on Monday, May 12, at the UMMS main campus in Worcester and the UMass Memorial Hahnemann and Memorial campuses and Biotech One. Approximately 200 employees with unreserved parking will be reassigned to off-site parking based on date of hire, starting with the most recent hires and continuing until the appropriate number of on-campus parking spaces is available for patients and visitors. Off-site parkers will not pay a parking fee. Employees reassigned to the off-site parking were notified with a letter in April.

Only Monday through Friday day shift staff have been reassigned to park off site; off-site parkers will continue to be able to park on-campus after 5 p.m. and on weekends and holidays. **Any and all weekday staff—regardless of seniority—can volunteer to park off-campus and avoid parking fees.** For more information, call 6-2630.

Tobacco Free support groups

Wondering how you'll get through the work day without smoking? You don't have to do it alone. Support Groups are being formed for employees, faculty, students and volunteers looking for ways to cope without smoking on campus, or who want to stop smoking altogether. Learn strategies and build a support network with others going through the same struggle.

The first four-session, weekly Tobacco Free Support Group on the University Campus will take place on Tuesdays, from May 13 through June 3 at 12:15 to 1:15 p.m. Registration is required. Additional groups at University, Memorial and Hahnemann campuses are forming. Call 6-1555 for additional information and to register.

■ Interim Chancellor Michael F. Collins and Dean of the School of Medicine and Executive Deputy Chancellor and Provost Terence R. Flotte will host Employee Appreciation Day at the University Campus on Wednesday, May 7, from 11:30 a.m. to 2 p.m. in the new Medical School Lobby. A tropical theme will feature make-your-own sundaes and beverages. UMMS employees at other locations will be notified of their site's celebration dates and details. Commonwealth Medicine will organize and schedule appreciation events for their employees in the fall.

■ The UMass Memorial Child Care Program will hold its annual hanging plant sale on Thursday, May 8, from 6:30 a.m. to 2 p.m. in the Memorial Campus lobby and outside the Medical School lobby (inside the old lobby if it's raining heavily)—just look for the beautiful colors! For information, call Linda Scricco at 508-854-0814.

■ The Third Annual International Festival will be held on Friday, May 9, from 11 a.m. to 3 p.m. in the Medical School lobbies and the Faculty Conference Room. The event includes a celebration of cultures, exhibits, entertainment, global health poster presentations, food and a market of fair trade international handicrafts.

■ The Women's Center at UMass Memorial, in partnership with the YWCA of Central Massachusetts, is hosting Informed Women; Healthy Women . . . A Lifetime of Healthy Choices, on Saturday, May 17, from 8 a.m. to 4 p.m. at the Crowne Plaza Hotel in Worcester. A \$40 registration fee includes tote bag, continental breakfast, workshops, health screenings and luncheon with keynote speaker Karyn Buxman, renowned humor expert and president of HUMORx. Nursing CEUs offered for an additional \$35. For information and to register, call 508-334-5165. Pre-registration is required.

■ The Second Annual UMass Medical School 5K Race and Family Fun Walk will take place on Sunday, May 18, at the UMass Medical School campus. All proceeds benefit the UMass Memorial Children's Medical Center Child Life Program. Children's entertainment and raffles will also be featured. Registration (which includes a T-shirt) is \$15 in advance and \$20 on the day of the event. T-shirt and packet pick-up begins at 9:30 a.m., with the 5K race/walk beginning in front of the Medical School Lobby promptly at 11 a.m. For additional information, call 6-6049, visit www.umassmed.edu/umass5k or send an e-mail to UMass5K@umassmed.edu.

■ The Seven Hills Symphony will hold its spring concert, Romantic Masters, on Friday, May 9, at 7:30 p.m. at Worcester Technical High School, 1 Skyline Drive, Worcester. Admission is free for students of Worcester Public Schools and one accompanying adult. Tickets are \$8 for seniors and students and \$10 for adults. For more information, call Joanna Chaurette at 617-824-0333 or visit www.shsymphony.org.

Tobacco Free

Continued from page 3

environment, with over-the-counter and prescription smoking cessation medications available at no cost through September 30. Individuals who choose to smoke when not on campus are encouraged to take advantage of nicotine replacement therapy options while on campus. Support groups are also being formed, with the first one scheduled to begin May 13—see Information on this page for details.

UMMS and UMass Memorial employees, faculty, students and volunteers can call 508-865-1555 and patients and visitors can call 508-334-5433 to learn about resources available to them. Complete information about the Tobacco Free Initiative is posted at inside.umassmed.edu/tobaccofree. ■

grants infocus

□ **Elliot J. Androphy**, MD, the *Barbara and Nathan Greenberg Chair in Biomedical Research* and professor of medicine and molecular genetics & microbiology: *Small Molecule Inhibitors of Oncogenic Human Papillomavirus*, National Cancer Institute, one year, \$321,953; recommended for three more years, \$920,861

□ **Diane R. Blake**, MD, associate professor of pediatrics: *Computerized HIV Vaccine Trial Assent: Will It Improve Adolescent Comprehension?*, National Institute of Child Health and Human Development; one year, \$243,750; recommended for one more year, \$203,125

□ **Patrick Emery**, PhD, assistant professor of neurobiology: *Synchronization of Drosophila Circadian Rhythms by Temperature Cycles*, National Institute of General Medical Sciences, one year, \$322,000; recommended for three more years, \$975,000

□ **Marc R. Freeman**, PhD, assistant professor of neurobiology: *How Does Wlds Protect Severed Axons?*, National Institute of Neurological Disorders and Stroke, one year, \$355,469; recommended for four more years, \$1.4 million

□ **Jane B. Lian**, PhD, professor of cell biology: *Request for SCANCO Micro-CT 40 Multi-user Bone Studies*, National Center for Research Resources, one year, \$276,700

□ **Jianyuan Luo**, PhD, assistant professor of cancer biology: *Regulation WRN Deacetylation by SIRT1 After DNA Damage*, National Institute on Aging, one year, \$270,075; recommended for four more years, \$1 million

□ **Haley E. Melikian**, PhD, assistant professor of psychiatry and biochemistry & molecular pharmacology: *Trafficking and Regulation of Monoamine Transporters*, National Institute on Drug Abuse, one year, \$354,375; recommended for four more years, \$1.5 million

□ **Lori Pbert**, PhD, associate professor of medicine: *A School Nurse-delivered Intervention for Overweight and At-Risk Adolescents*, National Institute of Child Health and Human Development, one year, \$257,611; recommended for one more year, \$206,520

□ **Neal Silverman**, PhD, associate professor of medicine: *Intracellular Bacterial Recognition in the Drosophila Innate Immune Response*, National Institute of Allergy and Infectious Diseases, one year, \$305,349; recommended for four more years, \$1.2 million

□ **Jie Song**, PhD, assistant professor of orthopedics & physical rehabilitation and cell biology: *Synthetic Periosteum Promoting the Healing of Cortical Bone Allografts*, Musculoskeletal Transplant Foundation, one year, \$124,998

□ **Gyongyi Szabo**, MD, PhD, professor of medicine: *Mechanisms of Alcohol Mediated Organ and Tissue Damage*, National Institute on Alcohol Abuse and Alcoholism, one year, \$22,000; recommended for two more years, \$44,000

□ **Yong-Xu Wang**, PhD, assistant professor of molecular medicine: *PPARdelta and Its Co-regulators in Energy Metabolism*, National Institute of Diabetes and Digestive and Kidney Diseases, one year, \$330,000; recommended for four more years, \$1.3 million.

focus

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