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Associate Vice President

April 4, 2013

To the Members of the California Delegation:

As Congress begins the appropriations process for Fiscal Year 2014, the University of California urges your support for the highest funding possible for the University's federal priorities for FY 2014. The attached document outlines the federal programs that are critical to UC's ability to successfully carry out its mission of education, research, healthcare and public service. The University of California is an economic engine that provides world-class education to the next generation workforce, pursues groundbreaking research to address some of the biggest scientific and technological challenges of our time, and delivers cutting-edge medical education and healthcare services.

The University recognizes these are challenging economic times and that policymakers will have a number of difficult fiscal decisions to make throughout the FY 2014 budget process. However, the cumulative effects of the reductions in federal support in FY 2013, along with the recent across-the-board cuts made by the sequester, and the restraints on discretionary spending set forth in the Budget Control Act in future years, all seriously threaten our nation's strong standing in higher education and scientific research. We urge you to repeal the sequester in order to provide the funding necessary for federal programs that are critical to the University and to the nation's research enterprise.

As the budget process moves forward, and the President's Budget Request for FY 2014 is released, the University will provide you and your staff with additional information, including specific funding levels for our federal priorities, as well as the impacts of reduced federal support on the University of California campuses.

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Thank you for your continued support of the University of California. The priorities outlined in the attached document are listed by appropriations subcommittee for your consideration. If you have any questions, please contact me at (202) 974-6319 or via email at Gary.Falle@ucdc.edu.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gary Falle', written in a cursive style.

Gary Falle
Associate Vice President

University of California FY 2014 Appropriations Priorities

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SUBCOMMITTEE ON AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES

DEPARTMENT OF AGRICULTURE, NATIONAL INSTITUTE OF FOOD AND AGRICULTURE (NIFA)

UC supports the highest possible funding levels for USDA Research, Education and Extension programs which enable UC's vital partnership with California producers in ensuring a safe, secure and plentiful supply of food and energy, as well as clean and sustainable air, water and other natural resources. Programs vital to UC include:

USDA Capacity Grants programs – Hatch Act, Smith-Lever 3(b)-3(c), and McIntire-Stennis Cooperative Forestry – are crucial to UC's agricultural research and extension work. They enable UC to improve conservation practices, production efficiencies, varietal development and cropping methods.

FY 2012 Enacted: Hatch, \$236 million; Smith Lever 3(b) and 3(c), \$294 million; McIntire-Stennis, \$33 million.

The Agriculture and Food Research Initiative (AFRI) funds competitive research on human nutrition and health, agricultural sustainability, renewable energy and biofuels, water supply, and air and water quality. UC scientists typically receive 10-15 percent of competitive USDA research funds awarded annually.

FY 2013 Enacted: \$277 million (after sequestration).

USDA Pest Management programs, including research and extension activities, support UC's statewide Integrated Pest Management (IPM) program, which develops and promotes the use of ecologically sound programs to solve pest problems while protecting California's agricultural crops.

FY 2012 Enacted: \$29.5 million.

The Expanded Food and Nutrition Education Program (EFNEP) successfully delivers "hands-on," practical lessons on food, nutrition and healthy lifestyles to needy families. National studies show that for every \$1 invested in this Cooperative Extension program, up to \$10.64 is saved in current and future healthcare costs for "at risk" populations.

FY 2012 Enacted: \$68 million.

SUBCOMMITTEE ON COMMERCE, JUSTICE, SCIENCE AND RELATED AGENCIES

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

UC supports the highest possible funding level for NASA's Science Mission Directorate which funds research on the Earth, our solar system and the universe. UC researchers are highly successful in receiving competitive NASA research awards, enabling them to be international leaders in astronomy.

FY 2013 Enacted: \$5.144 billion (before sequestration).

UC supports the **Space Grant College and Fellowship Program** – a national network that gives students practical hands-on training in support of NASA’s aeronautics and space missions, and inspires them to pursue STEM careers. Headquartered at UC San Diego, the California Space Grant Consortium engages 28 California affiliates, including nine UC campuses, ten California State University campuses, three NASA centers and other universities.
FY 2013 Enacted: \$40 million (before sequestration).

NATIONAL SCIENCE FOUNDATION (NSF)

UC supports the highest possible funding level for the National Science Foundation which sponsors about 20 percent of all merit-based university research, including engineering and mathematics education, chemistry and material science, earth and space science, research infrastructure and equipment and education research. NSF also helps to train and educate the next-generation scientific and engineering workforce. UC researchers successfully competed for \$450 million in FY 2011 NSF research grants – more than 8 percent of NSF’s total budget.
FY 2013 Enacted: \$7.393 billion (before sequestration).

DEPARTMENT OF COMMERCE, NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

UC supports the highest possible funding level for NIST, specifically for Scientific and Technical Research and Services and Industrial Technology Services. With NIST funding, UC campuses promote U.S. innovation and industrial competitiveness through measurement science, standards and technology research. UC also supports cross-agency and cross-disciplinary initiatives to expand advanced manufacturing research through public-private partnerships under **the National Network for Manufacturing Innovation**.
FY 2013 Enacted: \$824 million (before sequestration).

DEPARTMENT OF COMMERCE, NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

UC supports the highest possible funding level for extramural NOAA research programs on climate, weather and water and ocean observing, including:

Climate Competitive Research, Sustained Observations and Regional Information Program in NOAA Operations, Research and Facilities for collection of climate, weather and water data, including ocean observing for accurate weather forecasting that are essential to California agriculture, energy and fisheries, and disaster preparedness, and the U.S. Navy and NASA. Historically, UC has annually received 10 percent of this funding.
FY 2013 Enacted: \$124 million (before sequestration).

Regional Integrated Ocean Observing System (IOOS) in the NOAA National Ocean Service

– a national network that addresses maritime commerce, fisheries, aquaculture, offshore energy, coastal communities, public health and other users' needs. UC is active in two systems, the Central and Northern California Ocean Observing System (CeNCOOS) and the Southern California Coastal Ocean Observing System (SCCOOS).

FY 2013 Enacted: \$28.5 million (before sequestration).

National Sea Grant College Program – a university-based coastal and marine research network, which facilitates knowledge transfer from researchers to the marine industry and the public. Based at the UC San Diego Scripps Institution of Oceanography, California's program sponsors research and extension programs involving public and private institutions throughout the state.

FY 2012 Enacted: \$63 million.

SUBCOMMITTEE ON DEFENSE

DEPARTMENT OF DEFENSE (DOD)

UC requests the highest possible funding levels for Defense 6.1 Basic Research and Defense 6.2 Applied Research programs. Conducted by the Army, Navy, Air Force and the Office of the Secretary, Defense 6.1 and 6.2 research programs fund the bulk of DOD-sponsored university research, especially in the physical sciences, computer science and engineering. The UC-DOD research partnership spans more than 50 years and has led to breakthroughs in communications, life-saving medical technologies and the development of advanced composite materials. Defense Basic Research also supports education and training for students who will become DOD's scientific and technological workforce. To this end, UC supports the **National Defense Education Program; the National Defense Science and Engineering Graduate Fellowships program; and the Minerva Initiative.** UC also supports the **Defense Advanced Research Projects Agency (DARPA)**, which invests in high-risk, high-reward research that has led to "game-changing" technological advances, such as the Internet and GPS.

FY 2013 Enacted: \$2.13 billion for 6.1 Basic Research, and \$4.6 billion for 6.2 Applied Research (before sequestration).

SUBCOMMITTEE ON ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES

DEPARTMENT OF ENERGY (DOE)

UC supports the highest possible funding level for the DOE Office of Science (OS) which is the primary federal agency supporting physical sciences research – on new materials, future energy sources, energy efficiency – and involving high performance scientific computing. The OS also supports world class user facilities and National Laboratories, including the Lawrence Berkeley National Laboratory, located in Berkeley, CA, that are used by thousands of university researchers and students. Also funded by OS and the DOE Office of Energy Efficiency and Renewable Energy, UC researchers are engaged

with **Energy Frontier Research Centers and Energy Innovation Hubs** that focus on fundamental energy science and discrete technology solutions.
FY 2012 Enacted: \$4.87 billion.

UC supports the highest possible funding level for ARPA-E, which is focused on achieving U.S. leadership in clean technologies to transform our energy landscape. In its first three years, ARPA-E has funded over 285 projects, leading to 11 new technology companies. UC researchers are among the most successful ARPA-E awardees.
FY 2012 Enacted: \$275 million.

SUBCOMMITTEE ON HOMELAND SECURITY

DEPARTMENT OF HOMELAND SECURITY (DHS)

UC supports the highest possible funding level for DHS Science and Technology (S&T) Directorate Research and Development Programs, including University Programs. The S&T Directorate funds basic and applied research to develop advanced technologies and methodologies to protect the nation's communities, ports, coasts, food supplies, borders and infrastructure. UC researchers have successfully competed for grants supporting research on nuclear detection, food system protection, public health assessment and first responder safety.
FY 2013 Enacted: \$703 million, including \$40 million for University Programs (before sequestration).

SUBCOMMITTEE ON THE INTERIOR, ENVIRONMENT, AND RELATED AGENCIES

U.S. DEPARTMENT OF INTERIOR, U.S. GEOLOGICAL SURVEY (USGS)

UC supports the highest possible funding level for the USGS Earthquake Hazards Program and the Global Seismographic Network. Effective earthquake preparedness and monitoring tools are critical to public safety in California and the nation. Due to the strength of their work, researchers at UC and other California universities have historically been the primary recipients of funding to analyze Earth processes, and minimize loss of life and property from natural disasters. California communities benefit directly from this work.
FY 2012 Enacted: Earthquake Hazards, \$55 million; Global Seismographic Network, \$5.3 million.

UC supports the highest possible funding level for the USGS Water Resources Research Institutes (WRRI) which is the only federally supported research network for applied water resource research, education, training and outreach. UC operates the California-based institute, which supports researchers in developing solutions to some of California's most costly and difficult water problems.
FY 2012 Enacted: \$6.5 million.

ENVIRONMENTAL PROTECTION AGENCY

UC supports the highest possible funding level for EPA Science and Technology programs to protect human health and the environment. The Science to Achieve Results (STAR) program – EPA's

main competitive research program for universities – funds science involving environmental challenges and STAR fellowships in environmental science and engineering to support students pursuing STEM careers.

FY 2012 Enacted: \$794 million.

NATIONAL ENDOWMENT FOR THE HUMANITIES

UC supports a minimum of \$154.3 million in funding for the National Endowment for the Humanities (NEH). NEH, the largest federal source of competitive research funding for the humanities, supports the scholarship of many of UC’s brightest students. NEH funds leverage significant additional private and foundation dollars that support meaningful projects, impacting our campuses, local elementary and secondary schools and our broader communities. Support for the humanities is critical to assuring that college graduates are well-rounded and can compete in an increasingly complex and interconnected global economy.

FY 2013 Enacted: \$146 million (before sequestration).

SUBCOMMITTEE ON LABOR, HEALTH AND HUMAN SERVICES, EDUCATION AND RELATED AGENCIES

DEPARTMENT OF EDUCATION

Pell Grants Programs – UC supports an appropriation for the Pell Grant Program sufficient to provide a discretionary “base” award of \$4,860. This appropriations level is essential to ensure that—with the mandatory funds available and the scheduled inflationary adjustments—the maximum Pell Grant will be \$5,730 in FY 2014.

The Pell Grant program is critically important to the more than 83,000 UC undergraduate students who receive this aid. All UC students already contribute to their own cost of education with loans and earnings from work or savings, so without robust funding for Pell Grants, UC students would have to borrow more, work beyond what is considered manageable, or take longer to complete their degrees.

FY 2013 Discretionary Enacted: \$22.824 million. (*Pell was exempt from sequestration*). Maximum Award, including discretionary and mandatory funds, \$5,645.00.

UC supports the highest possible funding levels for the US Department of Education campus-based student aid, including the Supplemental Educational Opportunity Grant (SEOG), Federal Work-Study (FWS), and Perkins Loan Programs (Perkins). These programs are essential to the network of federal, state, and institutional support that ensures access to postsecondary education for students from a broad range of income levels.

FY 2013 Enacted: \$734.6 million, SEOG; \$977 million, FWS; \$0, Perkins (before sequestration).

UC supports the highest possible funding levels for the TRIO and GEAR UP programs. UC believes the federal investment in these complementary and successful early intervention and academic

preparation programs should be increased. In recent years, these programs have sustained serious funding cuts, and are only reaching a small fraction of the students who are eligible.

FY 2013 Enacted: \$839.4 million, TRIO; \$302.2 million, GEAR UP (before sequestration).

UC supports the highest possible funding levels for Title VI international education programs, which at UC support research and expertise through National Resource Centers, which are important tools in serving the nation's economic, diplomatic, defense, and national security needs. Regrettably, Title VI funding has eroded over the past several years and UC remains concerned that if federal funding is not increased, our nation's capacity and expertise in less-commonly-taught languages, research, and study of these areas of the world, is at risk.

FY 2013 Enacted: \$74 million (before sequestration).

UC supports the highest possible funding levels for graduate education programs, such as the Graduate Assistance in the Areas of National Need (GAANN) and the Jacob K. Javits Fellowship (Javits) Programs. Federal funding of talented graduate students is a key element to drive excellence and innovation in business, science, academia and government, yet federal funding for graduate assistance programs have been cut in recent years. A renewed investment in graduate education would increase knowledge and research in critical fields, strengthen the nation's preeminence in graduate education, and add to U.S. economic well-being, and national security.

FY 2013 Enacted: \$30.9 million (before sequestration).

UC supports the highest possible funding levels for Department of Education programs that aim to improve teacher preparation and recruit and retain high quality teachers. UC supports competitive grants to institutions of higher education, to partner with school districts to strengthen and improve teacher preparation programs.

FY 2013 Enacted: \$2.47 million, Teacher Quality State Grants (before sequestration).

UC supports the highest possible funding levels for education research, through the Institute of Education Sciences (IES) at the U.S. Department of Education. UC researchers use funds from IES, and other federal sources of competitive funds, to address the nation's most pressing education needs, from early childhood to adult education, including increasing the number and quality of math and science teachers, teacher evaluations, and creation of successful professional development models.

FY 2013 Enacted: \$593.1 million (before sequestration).

DEPARTMENT OF HEALTH AND HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH (NIH)

UC supports the highest possible funding level for the National Institutes of Health. Adequate and sustained funding for the National Institutes of Health (NIH) is critical to the University of California and our partners in California's biomedical research industry. In 2012, researchers at the University of California institutions successfully competed and were awarded over \$1.7 billion in NIH grants.

FY 2013 Enacted: \$30.7 billion (before sequestration).

DEPARTMENT OF HEALTH AND HUMAN SERVICES, HEALTH RESOURCES AND SERVICES ADMINISTRATION (HRSA)

UC supports the highest possible funding level for the Health Resources and Services Administration (HRSA) Title VII Health Professions Training. UC operates the largest health sciences and medical training program in the country with over 12,000 students. The Title VII medical education training and loan programs are critical sources of financial support for many of UC's students and physician faculty as they are the only federal programs designed to educate providers in interdisciplinary settings to meet the needs of special and underserved populations as well as increase minority representation in California's healthcare workforce.
FY 2012 Enacted: \$264.4 million.

UC supports the highest possible funding for the Health Resources and Services Administration (HRSA) Title VIII Nursing Workforce Development. HRSA's Nursing Workforce Development Programs (authorized under Title VIII of the Public Health Service Act) provide training for entry-level and advanced degree nurses to improve the access to, and quality of, healthcare in underserved areas. These programs provide the largest source of federal funding for nursing education, providing loans, scholarships, traineeships and programmatic support to over 50,000 nursing students.
FY 2012 Enacted: \$231 million.

DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL (CDC) AND PREVENTION

UC supports the highest possible funding level for the National Institute for Occupational Safety and Health (NIOSH) Education and Research Centers (ERCs) and NIOSH Agriculture, Forestry and Fishing Program (AFF). The ERCs provide academic and research training programs in the occupational safety and health disciplines, as well as education and outreach programs to prevent injury and disease. The AFF Program is the only substantive federal effort designed to prevent workplace injuries in the agriculture sector. UC operates two of the nation's 18 ERCs (the Northern California ERC based at UCSF and UC Berkeley, and the Southern California ERC based at UCLA and UC Irvine), and one of the nine regional NIOSH Centers for Agricultural Disease and Injury Research, Education, and Prevention (located at UC Davis).
FY 2012 Enacted: \$24.3 million for the ERCs, and \$22 million for the AFF Centers.

HEALTH AND HUMAN SERVICES MANDATORY SPENDING PROPOSALS, CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS)

As a public trust, the University of California believes that containing healthcare costs, including Medicare and Medicaid spending, must be a priority. The rising costs of healthcare impacts all Californians, including patients, healthcare providers, and employers. However, given the historically insufficient levels of Medicare and Medicaid reimbursements, the University has serious concerns regarding the impact of any significant cuts to the Medicare and Medicaid programs on our medical centers, physician faculty, medical students, and the patients we serve. Additionally, as the nation faces a physician shortage of 90,000 doctors by the year 2020, it is essential that Congress preserve graduate medical education funding through Medicare.

**SUBCOMMITTEE ON TRANSPORTATION, HOUSING AND URBAN
DEVELOPMENT, AND RELATED AGENCIES**

DEPARTMENT OF TRANSPORTATION

UC supports the highest possible funding level for the University Transportation Centers (UTC) program, which is funded through the Federal Highway Administration and the Federal Transit Administration. The UTC program funds multidisciplinary, university-based research centers of excellence, which advance the technical expertise of the nation's transportation industry and train the next generation of transportation professionals through fellowships, dissertation grants and educational courses.

FY 2012 Enacted: \$73.9 million.