

UNIVERSITY OF CALIFORNIA

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March 10, 2015

Members, California Congressional Delegation:

As Congress begins work on appropriations for Fiscal Year (FY) 2016, the University of California urges your full support for federal programs that are critical to the University's ability to successfully carry out its education, research, health-care and public service missions. The attached document outlines the University's FY 2016 federal appropriations priorities.

Your support for UC's priorities will help to advance scientific and technological innovation, promote unparalleled educational opportunities for Californians, and support the University's commitment to training world-class health professionals and providing exceptional health care.

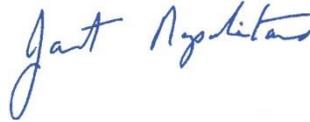
UC appreciates Congress' efforts to provide more stable funding for research and education programs in the FY 2015 appropriations. The impending resumption of sequestration, which will cut appropriations below the FY 2016 discretionary budget caps, however, threatens this stability and stands to have a negative impact on the nation, including the University of California.

The University recognizes that Congress faces difficult decisions in the FY 2016 budget process. As a former cabinet secretary and now President of the University of California, I have seen firsthand the arbitrary and damaging effects of relying on sequestration to cut the federal budget. For our country to continue to recover and thrive, sequestration must end and our government must make investments to strengthen the foundations of our economy, security, and quality of life. Among these are strong and steady investments that will allow institutions of higher education, like the University of California, to continue to educate the next generation of workers, provide quality health-care, and discover scientific and technological breakthroughs that help fuel our economy.

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. In addition, the document is available online at www.ucop.edu/federal-governmental-relations/federal-budget.

If you have any questions, please don't hesitate to get in touch with me or UC Associate Vice President for Federal Governmental Relations Gary Falle. He can be reached at (202) 974-6319 or by email at Gary.Falle@ucdc.edu.

Yours very truly,

A handwritten signature in blue ink that reads "Janet Napolitano". The signature is written in a cursive style with a large initial "J".

Janet Napolitano
President

Enclosure

cc: Provost Aimée Dorr
Senior Vice President Peacock
Associate Vice President Falle

University of California Fiscal Year 2016 Appropriations Priorities

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

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

The University of California (UC) supports the highest possible funding levels for USDA Research, Education and Extension Programs that enable UC's vital partnership with California's agricultural 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. USDA funding also supports UC's effective nutrition education efforts throughout California. Programs vital to UC include:

Agriculture and Food Research Initiative (AFRI)

UC Request: \$450 million
FY 2016 Budget Request: \$450 million
FY 2015 Enacted: \$325 million

UC supports \$450 million for the Agriculture and Food Research Initiative (AFRI), which 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 grants.

**USDA Capacity Grants programs – Hatch Act, Smith-Lever 3(b)-3(c) and McIntire-Stennis
Cooperative Forestry**

	<u>Hatch Act</u>	<u>Smith-Lever 3(b)-3(c)</u>	<u>McIntire-Stennis</u>
UC Request:	\$256.2 million	\$304 million	\$35.5 million
FY 2016 Budget Request:	\$256.2 million	\$304 million	\$34 million
FY 2015 Enacted:	\$244 million	\$300 million	\$34 million

UC supports the funding levels above for the Hatch, Smith-Lever 3(b)-3(c) and McIntire-Stennis capacity grant programs, which are crucial to UC's agricultural research and extension work, and are vitally important given the current California drought. The programs enable UC to support California agricultural producers by improving conservation practices, production efficiencies, varietal development and cropping methods.

USDA Crop Protection/Pest Management (CP/PM) and Minor Crop Pest Management (IR-4)

	<u>CP/PM</u>	<u>IR-4</u>
UC Request:	\$17.2 million	\$12 million
FY 2016 Budget Request:	\$17.2 million	\$12 million
FY 2015 Enacted:	\$17.2 million	\$12 million

UC supports \$29.2 million for these USDA Pest Management programs, including research, extension and integrated activities. The programs 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.

Expanded Food and Nutrition Education Program (EFNEP)

UC Request:	\$68 million
FY 2016 Budget Request:	\$68 million
FY 2015 Enacted:	\$68 million

UC supports \$68 million for the Expanded Food and Nutrition Education Program (EFNEP), through which UC 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.

Food Safety Outreach Program

UC Request:	\$5 million
FY 2016 Budget Request:	\$5 million
FY 2015 Enacted:	\$2.5 million

UC supports \$5 million for the NIFA Food Safety Outreach Program to provide technical assistance to help owners and operators of small and mid-sized farms, producers and processors learn about and implement food safety guidelines, including those established by the Food Safety Modernization Act. The Administration proposes to shift these activities solely to NIFA, from a shared responsibility with the Food and Drug Administration in prior years.

SUBCOMMITTEE ON COMMERCE, JUSTICE, SCIENCE AND RELATED AGENCIES

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

NASA Science Mission Directorate

UC Request:	\$5.29 billion
FY 2016 Budget Request:	\$5.29 billion
FY 2015 Enacted:	\$5.245 billion

UC supports \$5.29 billion for the NASA Science Mission Directorate, which funds research on the Earth, our solar system and the universe. UC researchers are highly successful in competing for NASA research awards, further enabling them to be international leaders in astronomy.

Space Grant College and Fellowship Program

UC Request:	\$40 million
FY 2016 Budget Request:	\$24 million
FY 2015 Enacted:	\$40 million

UC supports \$40 million for 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 science, technology, engineering, mathematics (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.

NATIONAL SCIENCE FOUNDATION (NSF)

UC Request:	\$7.724 billion
FY 2016 Budget Request:	\$7.724 billion
FY 2015 Enacted:	\$7.34 billion

UC supports \$7.724 billion for the National Science Foundation, including:

- **\$144 million for cross-agency Understanding the Brain activities**, of which \$75 million is for the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative;
- **\$177 million for NSF Advanced Manufacturing activities;**
- **\$75 million for the interdisciplinary Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) research initiative;** and,
- **\$100 million for the Large Synoptic Survey Telescope.**

NSF sponsors about 20 percent of all merit-based university research nationally, including engineering and mathematics education, chemistry and material science, earth and space science, research infrastructure and equipment and education research. NSF helps to train and educate the next-generation scientific and engineering workforce. In FY 2014, UC was awarded more than 2,200 NSF grants totaling over \$518 million.

UC also supports funding for basic research across all disciplines, including **Social, Behavioral and Economics (SBE) research** that addresses important societal questions using multidisciplinary approaches.

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

UC supports the highest possible funding levels for extramural NOAA research programs on climate, weather, water and ocean observing, including \$507 million for Office of Oceanic and Atmospheric Research (OAR) programs:

Climate Research, Office of Oceanic and Atmospheric Research (OAR)

UC Request:	\$188.8 million
FY 2016 Budget Request:	\$188.8 million
FY 2015 Enacted:	\$158 million

UC supports \$188.8 million for OAR Climate Research programs, including \$65.8 million for the Competitive Research Program, \$52.4 million for the Regional Climate Data and Information Program, and \$70.5 million for Laboratories and Cooperative Institutes. UC researchers rely on NOAA competitive research funding for the collection of climate, weather and water data, including ocean observing for accurate weather forecasting, which is essential to California agriculture, energy and fisheries, and disaster preparedness, the US Navy and NASA. Historically, UC receives about 10 percent of this funding annually. This account funds the **National Integrated Drought Information System (NIDIS)** and the **Regional Integrated Sciences and Assessments (RISA)** programs, which provide dynamic and accessible drought information for the nation, and support research teams that work with public and private users to build our capacity to prepare for and adapt to environmental variability and change.

Sustained Ocean Observations and Monitoring (OAR)

UC Request:	\$41.6 million
FY 2016 Budget Request:	\$41.6 million
FY 2015 Enacted:	\$41.3 million

UC supports \$41.6 million for OAR Sustained Ocean Observations and Monitoring. UC researchers are critical partners in maintaining baseline ocean observations to support weather and regional climate predictions, fisheries management and ecosystem studies, tide and current monitoring and sea level change.

Integrated Ocean Acidification (OAR)

UC Request:	\$30 million
FY 2016 Budget Request:	\$30 million
FY 2015 Enacted:	\$8.5 million

UC supports \$30 million for research on integrated ocean acidification (OA) to benefit the long-term health of the oceans and the sustainability of commercial fisheries. California is on the front lines of ocean acidification due to the state's narrow continental shelf and coastal oceanic upwelling, which is threatening marine life, including seabirds and whales and economically important species such as oysters, crabs, sole, flounder and rockfish. This funding level would support ongoing OA activities, improve experimental facilities and increase the number of OA observing stations to provide better information to affected stakeholders.

National Sea Grant College Program (OAR)

UC Request:	\$68.5 million
FY 2016 Budget Request:	\$68.5 million
FY 2015 Enacted:	\$67.3 million

UC supports \$68.5 million for the 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 Sea

Grant Program sponsors research and extension activities involving public and private institutions throughout the state.

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

UC Request:	\$34.5 million
FY 2016 Budget Request:	\$29.5 million
FY 2015 Enacted:	\$29.5 million

UC supports \$34.5 million for the Regional Integrated Ocean Observing System (IOOS), including \$5.2 million for grants to improve sensor innovation and verification. IOOS involves 17 federal agencies and a national network that provide new tools and forecasts for 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).

SUBCOMMITTEE ON DEFENSE

DEPARTMENT OF DEFENSE (DOD)

Basic Research (6.1)

UC Request:	\$2.43 billion
FY 2016 Budget Request:	\$2.08 billion
FY 2015 Enacted:	\$2.27 billion

UC supports \$2.43 billion for Defense 6.1 Basic Research within the \$12.3 billion Defense Science and Technology (6.1-6.3) research and development portfolio, a ratio that will help to ensure a balanced research and development pipeline that is vital to our national security. Conducted by the Army, Navy, Air Force and the Office of the Secretary, Defense Basic (6.1) and Applied (6.2) research programs fund the bulk of DOD-sponsored university research, especially in the physical sciences, computer sciences and engineering. The UC research partnership with DOD spans more than 50 years and has led to breakthroughs in communications, life-saving medical technologies and the development of advanced composite materials.

Within the Science and Technology portfolio (6.1-6.3), UC supports:

- **\$2.97 billion for the Defense Advanced Research Projects Agency (DARPA)**, which invests in high-risk, high-reward research to develop breakthrough military capabilities. Among DARPA's programs, UC supports **\$95 million for the BRAIN Initiative**. In 2014, two UC campuses received major DARPA brain research awards for the Restoring Active Memory (RAM) and the Systems-Based Neurotechnology for Emerging Therapies programs.
- **\$109 million for U.S. Army University and Industry Research Centers**, PE 0601104A, the FY 2015 funding level.

- **\$497.1 million for U.S. Navy Defense Research Sciences programs** (PE 0601153N), and **\$133.9 million for University Research Initiatives**, including the **Defense University Research Instrumentation Program (DURIP)** (PE 0601103N). These are the FY 2015 funding levels.
- Continued funding for the **U.S. Navy Service Life Extension Program (SLEP) for Auxiliary General Purpose Oceanographic Research (AGOR) vessels** – to extend their life from 30 to 45 years (\$74.3 million, PE 0602435N); and,
- **\$137 million for DOD Advanced Manufacturing Institute Centers.**

Defense Basic Research accounts also support education and training for students who will become DOD's scientific and technological workforce. UC supports the highest possible funding levels for the **National Defense Education Program and the National Defense Science and Engineering Graduate Fellowships program**. UC researchers also provide vital information through the social science research **Minerva Initiative**, which deepens our understanding of the cultural and political conditions in areas of the world of strategic importance to our national security.

SUBCOMMITTEE ON ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES

DEPARTMENT OF ENERGY (DOE)

Office of Science

UC Request:	\$5.34 billion
FY 2016 Budget Request:	\$5.34 billion
FY 2015 Enacted:	\$5.07 billion

UC supports \$5.34 billion for the DOE Office of Science (OS), the primary federal agency supporting physical sciences research. Among its missions, the OS funds research on new materials, future energy sources, energy efficiency, high performance scientific computing and several STEM education and fellowship programs. The OS also funds world-class national laboratories, including the Lawrence Berkeley National Laboratory (LBNL), and user facilities that serve thousands of university researchers, students and industry scientists every year.

UC also supports DOE's proposed investments in **Advanced Manufacturing** technologies, as well as the **Energy Frontier Research Centers** and **Energy Innovation Hubs**, which focus on fundamental energy science and discrete technology solutions that are funded by OS and the Office of Energy Efficiency and Renewable Energy.

Advanced Research Projects Agency-Energy (ARPA-E)

UC Request:	\$325 million
FY 2016 Budget Request:	\$325 million
FY 2015 Enacted:	\$280 million

UC supports \$325 million in funding for the Advanced Research Projects Agency-Energy (ARPA-E), which is focused on achieving U.S. leadership in clean technologies to transform our energy landscape. Since 2009, ARPA-E has funded hundreds of projects, leading to the creation of new technology companies. UC researchers are among the most successful ARPA-E awardees.

SUBCOMMITTEE ON HOMELAND SECURITY

DEPARTMENT OF HOMELAND SECURITY (DHS)

Research, Development and Innovation, Science and Technology Directorate

UC Request:	\$435 million
FY 2016 Budget Request:	\$435 million
FY 2015 Enacted:	\$457.5 million

University Programs, Science and Technology Directorate

UC Request:	\$40 million
FY 2016 Budget Request:	\$31 million
FY 2015 Enacted:	\$40 million

UC supports \$435 million for Research Development and Innovation programs and \$40 million for University Programs within the DHS Science and Technology (S&T) Directorate. 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 research grants on nuclear detection, food system protection, public health assessment and first responder safety. University Programs support collaborative, multi-disciplinary research at universities across the country that contribute to prevention and response to homeland security threats, as well as STEM education programs.

SUBCOMMITTEE ON THE INTERIOR, ENVIRONMENT, AND RELATED AGENCIES

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

USGS Earthquake Hazards Program

UC Request:	\$70.55 million
FY 2016 Budget Request:	\$58 million
FY 2015 Enacted:	\$59.5 million

USGS Global Seismographic Network

UC Request:	\$9.8 million
FY 2016 Budget Request:	\$9.8 million
FY 2015 Enacted:	\$4.85 million

UC supports \$70.55 million for the USGS Earthquake Hazards Program (EHP) and \$9.8 million for the Global Seismographic Network. Within the EHP program, UC requests \$16.1 million for construction, operations and maintenance of a West Coast earthquake early warning system. Effective earthquake preparedness and monitoring tools are critical to public safety in California and the nation. Researchers at UC and other California universities contribute greatly to the study and analysis of these Earth processes.

USGS Water Resources Research Institutes, Water Resources Research Program

UC Request:	\$8.8 million
FY 2016 Budget Request:	\$6.5 million
FY 2015 Enacted:	\$6.5 million

UC supports \$8.8 million for the USGS Water Resources Research Institutes (WRRI) program, which is the only federally supported, national network for applied water resource research, education, training and outreach. UC operates the California Institute for Water Resources (CIWR), which supports researchers in developing solutions to costly and difficult water problems in California. With the ongoing drought, CIWR is actively engaged in providing information and resources to California producers, consumers, businesses, and state and local governments. CIWR maintains a [website](#) that is updated daily with drought related information.

NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)

UC Request:	\$155.0 million
FY 2016 Budget Request:	\$147.9 million
FY 2015 Enacted:	\$146.0 million

UC supports \$155 million for the National Endowment for the Humanities (NEH) which would provide critical support to the only federal agency dedicated to promoting and enhancing research, education, and public programs in the humanities. UC researchers and scholars compete for these funds to strengthen teaching and learning; create new knowledge through extensive, in-depth study; and preserve and protect cultural and educational treasures. Many NEH-funded projects benefit students and the public by providing access to humanities programming and resources that would otherwise not be available in many communities.

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

DEPARTMENT OF EDUCATION

Pell Grant Discretionary Appropriations

UC Request:	\$22.48 billion
FY 2016 Budget Request:	\$22.48 billion
FY 2015 Enacted:	\$22.48 billion

Pell Grant Maximum Award

UC Request:	\$5,915
FY 2016 Budget Request:	\$5,915
FY 2015 Enacted:	\$5,775

UC supports sufficient federal discretionary appropriations for the Pell Grant program to provide a “base” award of \$4,860. A \$22.48 billion funding level is essential to ensure that—with the mandatory funds available and the scheduled inflationary adjustments—the maximum Pell Grant will be \$5,915 in FY 2016, beginning on July 1, 2016 for the 2016-17 academic year. UC also urges Congress to strengthen the Pell Grant program by protecting funding surpluses for program needs in future years.

The Pell Grant program is critically important to the nearly 80,000 UC undergraduate students who receive this aid. All UC students contribute to their own cost of education with loans and earnings from work or savings. 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.

Stafford Student Loans

UC supports strong and sustained efforts to keep borrowers’ cost of student loans manageable, and ensure that the federal government can provide borrowers with the essential services they need. The FY 2016 Budget Request proposes expansion of the “Pay As You Earn” (PAYE) plan and improvements to the terms of the program. By the end of 2015, all borrowers would be eligible for some type of income-driven repayment plans that would cap repayment at 10 percent of discretionary income and forgive any remaining balances after 20 years. The FY 2016 Budget Request also includes student loan reforms that aim to reduce program complexity, target benefits to increase program effectiveness, and eliminate program abuses to protect student loans for the future. If authorizing legislation is considered to enact these changes, UC will work closely with Congress and the Administration to assure that it would improve the terms and conditions of the loans and not unfairly limit borrower benefits.

Supplemental Educational Opportunity Grant (SEOG)

UC Request:	\$757.0 million
FY 2016 Budget Request:	\$733.1 million
FY 2015 Enacted:	\$733.1 million

Federal Work-Study

UC Request:	\$990.0 million
FY 2016 Budget Request:	\$989.7 million
FY 2015 Enacted:	\$989.7 million

UC supports \$757 million for the Supplemental Educational Opportunity Grant (SEOG) program and \$990 million for the Federal Work-Study (FWS) program. These campus-based programs are essential to the network of federal, state, and institutional support that ensures access to a UC education for students from a broad range of income levels. There is significant demonstrated need for strong and sustained funding.

Perkins Loan Program

UC supports the intent of the President's FY 2016 Budget Request to expand the Perkins Loan program, providing \$8.5 billion in new loan volume at up to 2,700 additional postsecondary institutions. UC would support the expansion of the Perkins Loan program to help more low-income students finance their education costs. However, UC would oppose the loss of the fixed 5 percent interest rate, loss of loan cancellation benefits and elimination of the current Perkins Loan program revolving fund. At a minimum, funds should be appropriated for the Perkins Loan program to reimburse campuses for loan cancellations made when borrowers complete qualifying service as outlined in the law. At the present time, the cumulative reimbursable cancellations owed to UC campuses by the U.S. Department of Education totals more than \$22 million.

TRIO Programs

UC Request:	\$890.0 million
FY 2016 Budget Request:	\$859.75 million
FY 2015 Enacted:	\$839.75 million

GEAR UP

UC Request:	\$321.6 million
FY 2016 Budget Request:	\$301.64 million
FY 2015 Enacted:	\$301.64 million

UC supports \$890 million for TRIO and \$321.6 million for GEAR UP. These complementary and successful early intervention and academic preparation programs only reach a small fraction of eligible students. Further, TRIO's Student Support Services program is specifically targeted to help low-income, first-generation students with undergraduate retention, transfer, and completion success. After facing serious funding cuts over the past several years, funding for these important programs should be increased.

Aid for Hispanic-Serving Institutions (HSIs)

UC Request:	\$110.8 million
FY 2016 Budget Request:	\$110.8 million
FY 2015 Enacted:	\$107.4 million

UC supports \$110.8 million in competitive grants to help Hispanic-Serving Institutions (HSIs) expand and enhance successful academic programs. UC has several campuses that serve large percentages of Hispanic students and would be eligible to apply for these funds. UC also supports the Promoting Postbaccalaureate Opportunities for Hispanic Americans program that is designed to help Hispanic Americans succeed in graduate school.

Teacher Preparation and Teacher Quality Programs

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. The President's FY 2016 Budget Request proposes several new and expanded sources of funding for teacher preparation

programs aimed to improve teacher preparation programs and recruit and reward high quality teachers. UC supports efforts to improve the quality of teaching in K-12 schools and will work to ensure that institutions of higher education are partners with schools and school districts in legislation that is enacted. UC supports funding for the following programs:

- **Teaching for Tomorrow:** \$1 billion per year for five years in mandatory funding for improving new-teacher preparation programs and increasing professional development support for current teachers.
- **Improving Teacher Quality State Grants (Title II):** \$2.35 billion, the same level as in FY2015.
- **Educational Technology State Grants:** \$200 million for competitive grants to local school districts to ensure that teachers and leaders have the skills and tools to use technology effectively to improve instruction and personalize learning.
- **Mathematics and Science Partnerships:** \$202.7 million for Mathematics and Science Partnerships, an increase of \$50 million, to states to support comprehensive STEM education improvement plans in Pre-K through grade 12.

International Education Programs

UC Request:	\$76.16 million
FY 2016 Budget Request:	\$76.16 million
FY 2015 Enacted:	\$72.16 million

UC supports \$76.16 million for Title VI International Education programs. At UC, Title VI supports 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 been significantly cut over the past several years and, even with the small funding increase proposed for FY 2016, UC remains concerned that our nation's capacity and expertise in less-commonly-taught languages, research, and world studies, is at risk. Further, in an increasingly global economy, additional Title VI funds are needed to ensure a steady pipeline of individuals with global understanding and language proficiency across professions.

Graduate Assistance in the Areas of National Need (GAANN)

UC Request:	\$31.0 million
FY 2016 Budget Request:	\$29.3 million
FY 2015 Enacted:	\$29.3 million

UC supports \$31 million for graduate education in the Department of Education to drive excellence and innovation in business, science, academia and government. The continued erosion of federal graduate fellowship support over the past several years – and the elimination of the Jacob K. Javits Program, which awarded highly competitive fellowships to students pursuing graduate degrees in the social sciences, the arts and humanities – is damaging to the talented scholars who need this support. A stronger national commitment to graduate education is needed to assure a continued pipeline of skilled workers in all sectors of the economy, as well as qualified professors who will mentor and train the teachers and students of tomorrow.

Department of Education, Institute of Education Sciences (IES)

UC Request:	\$676.0 million
FY 2016 Budget Request:	\$675.9 million
FY 2015 Enacted:	\$573.9 million

UC supports \$676 million for the Institute of Education Sciences (IES) programs. The University is a major innovator in educational research and is continuously working to increase the knowledge base on teacher effectiveness and the science of learning, while working in K-12 schools to improve the quality of educational practice. UC researchers use competitive funds from IES 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.

Access, Quality Education and Student Success Programs

UC supports the following new and expanded spending proposals in the President's FY 2016 Budget Request which are designed to encourage states to re-invest in public institutions, and to reward institutions that are offering increased access, quality education and student success. Many of the new programs and spending proposals would require congressional approval in authorization or appropriations legislation. The University of California looks forward to securing the following funding:

- **America's College Promise:** a new \$1.3 billion initiative that would offer students a free community college education if they make steady progress toward completing their program at eligible institutions. This program could also benefit states that have an excellent record in this area.
- **College Opportunity and Graduation Bonus:** a new competitive grant program that would award \$647 million in grants to institutions that successfully enroll and graduate a significant number of low- and moderate-income students on time.
- **The Investing in Innovation (i3) Program:** \$300 million, a \$180 million increase, for grants to fund scale-up and development projects that demonstrate sound evidence for what works in K-12 education. The Department could reserve up to \$50 million for an ARPA-ED initiative that focuses on developing new educational technologies.
- **The First in the World (FITW) Program:** \$200 million, a \$140 million increase, in competitive grants to improve higher education.

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

National Institutes of Health

UC Request:	\$32.0 billion
FY 2016 Budget Request:	\$31.3 billion
FY 2015 Enacted:	\$30.3 billion

UC supports \$32 billion for the National Institutes of Health, including the highest possible funding levels for the BRAIN Initiative and Precision Medicine. The President's FY 2016 Budget Request proposes \$31.3 billion in discretionary budget authority for NIH, 3.3 percent higher than the FY

2015 funding level of \$30.3 billion. This represents a nominal increase, and with the rate of the Biomedical Research and Development Price Index (BRDPI) expected to be 2.4 percent in FY 2016, UC's request of \$32 billion represents a 5.6 percent increase, and emphasizes the need for more significant and sustained growth in the NIH budget. If California's biomedical research industry is to remain a global leader in research innovation and an economic engine helping to grow California's economy, a greater increase in NIH funding is essential.

Adequate and sustained funding for NIH is critical to UC and our partners in California's biomedical research industry. In 2014, California research institutions successfully competed for \$3.5 billion in NIH grants, approximately \$1.8 billion of which were awarded to researchers at UC. This essential federal investment enables California's biomedical research industry to seek life-saving, breakthrough science and to employ hundreds of thousands of Californians.

BRAIN Initiative: Within the NIH, UC supports the President's commitment to the BRAIN (Brain Research through Advanced Innovative Neurotechnologies) Initiative, a collaboration among academic institutions, the private sector, and NIH, NSF, and DARPA. The FY 2016 Budget Request includes an increased investment of \$135 million in NIH funding for the BRAIN Initiative, \$70 million above the FY 2015 level. Of the \$46 million in BRAIN research awards given in 2014, UC successfully competed for more than \$10 million, or nearly one quarter of the total amount awarded. The BRAIN Initiative will enhance the understanding of complex brain functions and spur the development of new therapeutics to treat disease and disorders affecting millions of Americans. UC is a leader in bringing research and patient care together and was integral to the development of the BRAIN proposal.

Precision Medicine: UC also supports the President's commitment to Precision Medicine, an emerging practice whereby medical practitioners are able to tailor treatments to individual patients based on their unique characteristics. The President's FY 2016 Budget Request includes \$200 million for Precision Medicine efforts at the NIH. Specific preventive and therapeutic interventions could revolutionize disease diagnosis, therapy, and clinical decisions. With world-renowned researchers at UC who are already focused on this innovative development, UC strongly supports the efforts of the NIH to invest in Precision Medicine research.

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

Title VII Health Professions Training

UC Request:	\$280.0 million
FY 2016 Budget Request:	\$237.8 million
FY 2015 Enacted:	\$254.9 million

UC supports \$280 million for the Health Resources and Services Administration (HRSA) Title VII Health Professions Training Programs. The FY 2016 Budget Request proposes \$237.8 million for HRSA's Title VII health professions program, \$17.1 million less than what was funded in FY 2015. UC

opposes the elimination of funding, as included in the Budget Request, for the Title VII Health Careers Opportunity Program (HCOP) and the Area Health Education Centers (AHEC) program.

UC operates the largest health sciences and medical training program in the country with more than 12,000 students. The Title VII medical education training and loan programs are critical sources of financial support for many UC 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.

In FY 2014, California received approximately \$15.7 million in Title VII funding, of which UC successfully competed for \$9.2 million, or nearly 60 percent of all funds awarded to the state. With Title VII funding still not reaching the levels it saw in FY 2011 – \$272 million – and as Congress considers strategies designed to address workforce development, UC supports restoring and increasing Title VII funding to \$280 million. UC also opposes elimination of funding for the Title VII HCOP and AHEC programs.

Title VIII Nursing Workforce Development

UC Request:	\$244 million
FY 2016 Budget Request:	\$231.6 million
FY 2015 Enacted:	\$231.6 million

UC supports \$244 million for the Health Resources and Services Administration (HRSA) Title VIII Nursing Workforce Development Programs. The FY 2016 Budget Request provides level funding for Title VIII at its FY 2015 amount, but with a nursing shortage in California expected to exceed 190,000 by 2030, the FY 2016 Budget Request provides limited support to address the nursing crisis in California and the rest of the country, and falls short of the FY 2011 funding level of \$242 million.

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 access to, and quality of, healthcare in underserved areas. These programs provide the largest source of federal funding for nursing education, including loans, scholarships, traineeships and programmatic support to many of the more than 1,500 nursing students at UC. In FY 2014, California received approximately \$8.2 million in Title VIII funding. Of that amount, UC received \$2.9 million, or more than one third of the funds awarded to the state.

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

National Institute for Occupational Safety and Health (NIOSH) Education and Research Centers (ERCs)

UC Request:	\$27.5 million
FY 2016 Budget Request:	\$0
FY 2015 Enacted:	\$27.5 million

UC supports \$27.5 million for the National Institute for Occupational Safety and Health (NIOSH) Education and Research Centers (ERCs). The ERCs provide academic and research training programs in the occupational safety and health disciplines, as well as education and outreach programs to prevent workplace related injury and disease. The Administration's FY 2016 Budget Request would not provide funding for the ERCs, and would eliminate occupational safety and health educational services provided to over 10,000 businesses. UC operates two of the nation's 18 ERCs -- the Northern California ERC based at UC San Francisco and UC Berkeley, and the Southern California ERC based at UCLA and UC Irvine.

NIOSH Agriculture, Forestry and Fishing Program (AFF)

UC Request:	\$24 million
FY 2016 Budget Request:	\$0
FY 2015 Enacted:	\$24 million

UC supports \$24 million for the NIOSH Agriculture, Forestry and Fishing Program (AFF) Centers. The AFF Program is the only substantive federal effort designed to prevent workplace injuries in the agriculture sector. The Administration's FY 2016 Budget Request would eliminate funding for the AFF Centers, harming efforts to protect agricultural workers. UC operates one of the nine regional NIOSH AFF Centers, the Center for Agricultural Disease and Injury Research, Education, and Prevention – located at UC Davis.

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

The President's FY 2016 Budget Request includes approximately \$423 billion in spending reductions over ten years to Medicare. Approximately \$350 billion of these reductions would come from Medicare providers, including the University of California Health System (UC Health). Though these proposals are not subject to appropriations, UC is concerned that the following provisions in the FY 2016 Budget Request would directly affect UC's clinical operations and medical education programs as they would impede the University's ability to continue to provide patient-focused, state of the art, individualized care to nearly a million patients a year:

- The FY 2016 Budget Request would reduce the reimbursement to hospitals for their "bad debt" from 65 percent to 25 percent over a 3 year period, costing hospital providers nationwide \$31.1 billion over ten years.
- Payments for indirect graduate medical education would be reduced by 10 percent, or \$16.3 billion.
- The Independent Payment Advisory Board (IPAB), created by the Affordable Care Act to reduce Medicare payments, will be given greater capabilities. IPAB is tasked with recommending policies to reduce the Medicare growth rate if the projected Medicare per capita growth rate exceeds a certain target. The FY 2016 Budget Request would lower that target growth rate, triggering IPAB

to make policy recommendation at an earlier time. These recommendations would result in \$20.9 billion less in Medicare payments over ten years.

- The Budget Request includes, for the first time, a recommendation to lower payments for services provided in off-campus hospital outpatient departments (HOPDs). The Request suggests lowering these payments to the rate paid to physician providers or the rates paid under the Ambulatory Surgical Center payment system. This would cost hospitals approximately \$29.5 billion over ten years.
- Reductions to Medicaid Disproportionate Share Hospital (DSH) payments would continue into FY 2025, resulting in a \$3.3 billion decrease in these safety net payments to eligible hospitals, including those in the UC Health system.

SUBCOMMITTEE ON STATE, FOREIGN OPERATIONS, AND RELATED PROGRAMS

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)

Feed the Future Food Security Innovation Labs

UC Request: \$65 million

FY 2016 Budget Request: \$900.3 million requested for the Feed the Future Initiative, no specific amount for the Innovation Labs

FY 2015 Enacted: \$59.3 million (estimated)

UC supports \$65 million for the Feed the Future Food Security Innovation Labs, an integral part of the U.S. government's global hunger and food security initiative. UC leads six of the 24 Innovation Labs, a network of US colleges and universities that partner with institutions in developing countries to conduct research and training in order to develop agricultural practices and technologies to improve safe and sustainable food production.