UC San Diego
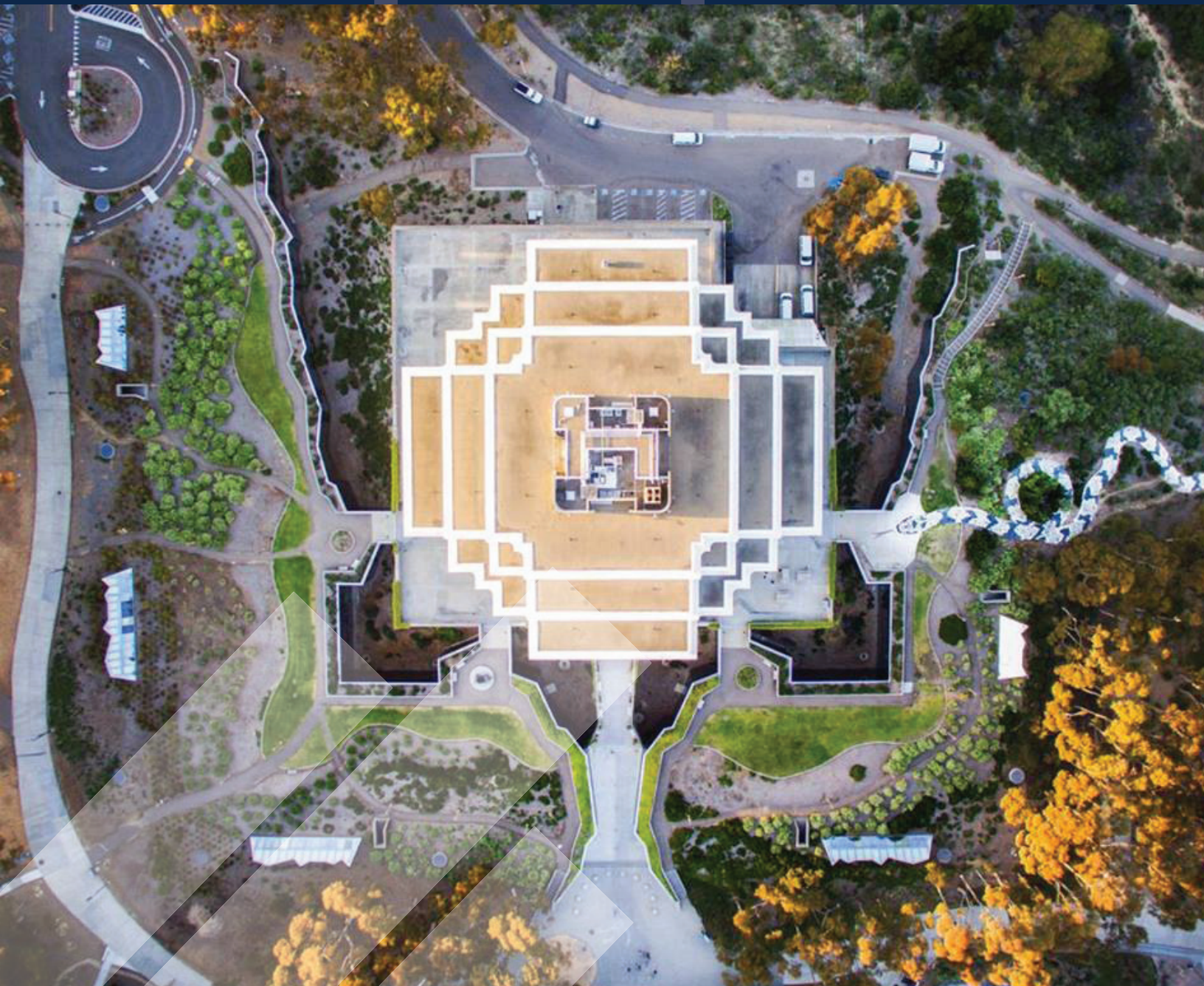
campus profile

OCTOBER 2018

CAMPUS PROFILE AND POINTS OF DISTINCTION

At the University of California San Diego, we constantly push boundaries and challenge expectations. Established in 1960, UC San Diego has been shaped by exceptional scholars who aren't afraid to take risks and redefine conventional wisdom. Today, as one of the top 15 research universities in the world, we are driving innovation and change to advance society, propel economic growth, and make our world a better place.

UC San Diego's main campus is located near the Pacific Ocean on 1,200 acres of coastal woodland in La Jolla, California. The campus sits on land formerly inhabited by Kumeyaay tribal members, the original native inhabitants of San Diego County. UC San Diego's rich academic portfolio includes six undergraduate colleges, five academic divisions, and five graduate and professional schools.

BY THE NUMBERS

- **36,624** Total campus enrollment (as of Fall 2017); the largest number of students among colleges and universities in San Diego County.

- **97,670** Total freshman applications for 2018

- **4.13** Admitted freshman average high school GPA

- **$4.7 billion** Fiscal year 2016-17 revenues; 20 percent of this total is revenue from contracts and grants, most of which is from the federal government for research.

- **$1.16 billion** Research funding secured during fiscal year 2016-17 to support research in all fields. One of the nation's 10 largest centers for science, engineering, and medicine, UC San Diego's research funding has surpassed $1 billion four times in the past six years.

- **7%** Total educational appropriations from the State of California; yet a small investment in UC San Diego results in significant impact to the region's economy, workforce and businesses.

- **60%** Percentage of undergraduate students who received some form of financial aid in the 2016-17 academic year.

- **9,780** Number of undergraduate and graduate degrees conferred in 2017.

- **189,000+** Number of undergraduate and graduate of UC San Diego alumni worldwide; 67.7 percent live in California, with 26 percent in San Diego County, contributing income, payroll, property, and sales taxes to the region.

- **16** Number of Nobel laureates who have taught on campus

- **201** Memberships held by current and emeriti faculty in the National Academy of Sciences (73), National Academy of Engineering (84), and National Academy of Medicine (44).

- **4** Scripps Institution of Oceanography operates three research vessels and an innovative Floating Instrument Platform (FLIP), enabling faculty, students, and researchers to address our planet's most pressing environmental challenges within a cutting-edge mobile laboratory. In 2016, the Navy-owned R/V *Sally Ride* became the newest addition to the Scripps Fleet and is considered one of the most technologically advanced oceanographic research vessels in the world.

- **30** Campus structures are equipped with solar panels and more than a dozen buildings are LEED certified; wireless sensors are situated across campus to determine the best time to gain and expend energy; and more than half of the campus community utilizes alternative transportation.

Economic Impact

- **#1** UC San Diego is the largest employer based in San Diego County with **34,448** full and part-time academic and staff employees (as of April 2017).

- **1,000+** Number of companies that utilize or have utilized technology produced at UC San Diego.

- **440** Number of active UC San Diego-related companies located in California.

- **29,200** Direct jobs attributable to active UC San Diego-related companies.

- **2,500+** In 2017, the UC San Diego Office of Innovation and Commercialization managed more than 2,500 inventions and more than 550 intellectual property agreements.

- **#2 Patent Producer** UC San Diego is second in the University of California system for the highest number of U.S. patents issued in 2016. In fiscal year 2017, UC San Diego was issued 103 patents and launched 19 startups — becoming the top University of California campus for number of companies started.

- **$32.4 billion** Total estimated annual sales of active UC San Diego-related companies in San Diego County, including those utilizing licensed technology.

- **$80 million** The amount of wages that our region's algae biotechnology industry generates each year according to a 2014 study conducted by the San Diego Association of Governments (SANDAG). The industry, which is integrally tied to collaborative research driven by UC San Diego's California Center for Algae Biotechnology, has fostered approximately 1,020 jobs, contributing over $175 million to the San Diego economy.

- **26th in the World for Alumni Venture Capital Funding** UC San Diego is ranked 26th among the top 50 universities in the world for producing venture capital-backed business founders. The ranking by Pitchbook Data, Inc., a venture capital data provider, is based on funding acquired between 2009 and 2014 — during that time, 91 UC San Diego alumni entrepreneurs received $740 million in investment capital.

Private Support

- **$312.9 million** UC San Diego celebrated a 17 percent increase in charitable giving during fiscal year 2017-18. These funds contribute to the $1.6 billion raised so far as part of the Campaign for UC San Diego, a $2 billion effort to transform the campus, the student experience, and ultimately the way humanity approaches problems and develops solutions.

- **$1.64 billion** Total combined endowment for the campus as of fiscal year 2017-18, managed by the UC San Diego Foundation and the UC Regents.

GLOBAL AND NATIONAL RANKINGS

Campus Accolades

- **#1 for Positive Impact** In 2018, *Washington Monthly* named UC San Diego the best public university in the nation for contributions to social mobility, research and public service. UC San Diego has topped the rankings eight times over the past nine years.

- **Changemaker Campus** UC San Diego was designated as a Changemaker Campus in 2017 by Ashoka U for its role as a leader in social innovation education. Only 40 universities around the world have received this designation and UC San Diego is the first University of California campus to be recognized.

- **1st for Women Graduates in STEM** According to a study by BestColleges.com, UC San Diego is 1st in the nation for enrolling and graduating the most women with majors in science, technology, engineering, and math (STEM). In addition, UC San Diego's proportion of STEM graduates is three times the national average.

- **Top Research Output** UC San Diego was ranked 6th in the nation for total research output by the journal *Nature* in their 2014 index. The university also currently ranks 5th in the nation for total research and development expenditures by the National Science Foundation (NSF).

- **5th Best Public University in the World** UC San Diego was named the fifth best public university across the globe by *Times Higher Education's* World University Rankings. In its 2018 report, the London-based publication named UC San Diego 20th in the U.S. and 31st globally. *Times* also ranked UC San Diego the world's top "Golden Age" university in the world in 2017 among institutions that were founded between 1945 and 1966.

- **Top 15 Best Public University in the Nation** For more than a decade, *U.S. News & World Report* has included UC San Diego among the nation's

top 15 public universities. In the 2018 *U.S. News & World Report* Best Colleges guidebook, UC San Diego ranked 12th best public university in the nation and 41st best university in the U.S. among more than 300 public, private and for-profit institutions. The UC San Diego Jacobs School of Engineering's undergraduate program was ranked 12th in the category for engineering schools that award doctorates.

- **12th in the Nation for Scientific Impact**
UC San Diego was named 11th best research university in the nation and the 29th best college in the world by the Centre for Science and Technology Studies of Leiden University's 2018 list that measured scientific impact of universities worldwide.

- **Among the Top 20 Best Universities in the World**
In the prestigious 2018 Academic Ranking of World Universities released by the Center for World-Class Universities at Shanghai Jiao Tong, UC San Diego was ranked the 15th best university in world. *U.S. News* and *World Report* named UC San Diego the 16th best university in the world and the nation's 5th best public university in 2017 for research, global and regional reputation, and international collaboration, as well as a number of highly-cited papers and doctorates awarded. In addition, the Center for the World University Rankings named UC San Diego the 20th best university in the world, 16th in the U.S.

- **Best High School in San Diego County** The Preuss School UC San Diego — a charter middle and high school for low-income students who strive to become the first in their families to graduate from college — was ranked the best high school in San Diego County by *U.S. News & World Report* in their 2018 list of "Best High Schools." The school also received a Gold Award designation and was ranked the 6th best school in the State of California based on performance on state assessments, graduation rates, and college preparation. And in 2017, Preuss was named one of "America's Most Challenging High Schools" in *The Washington Post's* annual rankings of how successfully schools challenge their students.

Transforming Health Care

- **Ranked Nationally Among Best Hospitals**
UC San Diego Health and six of its medical and surgical specialties have been recognized as among the best in the nation by *U.S. News & World Report* for 2018-19. The rankings also named UC San Diego Health 2nd regionally and 7th in California among adult hospitals.

- **Top 20 in the Nation** The UC San Diego School of Medicine was named the 22nd best in the nation among research-intensive programs in *US. News & World Report's* 2018 Best Graduate Schools Guidebook. The school was also ranked 17th in the primary care category.

- **Leader in LGBTQ Healthcare Equality** In 2018, UC San Diego Health was named a "Leader in LGBTQ Healthcare Equality" by the Human Rights Campaign (HRC) Foundation, the educational arm of the nation's largest lesbian, gay, bisexual, transgender, and queer civil rights organization.

- **"Top Docs"** More than 100 physicians from UC San Diego Health were named "Top Docs" in the 2018 *San Diego Magazine* "Physicians of Exceptional Excellence" annual survey. These physicians represent 48 diverse specialties, from infectious disease, surgery, and oncology to obstetrics, cardiology, and emergency medicine.

- **Top 100** In 2017, UC San Diego Health was named among "100 Great Hospitals in America" by *Becker's Hospital Review*. The Medical Center is also included on top 100 lists by Becker's for programs in heart and oncology as well as neurosurgery and spine.

- **First Comprehensive Stroke Center** In 2012, UC San Diego Medical Center-Hillcrest became one of five facilities in the country — and the only center in San Diego County — to be recognized as one of the first Comprehensive Stroke Centers, the newest level of certification for advanced stroke care awarded by The Joint Commission.

- **Top 10 for Residency Training** UC San Diego School of Medicine was named one of the nation's top residency training programs in the "2015 Top Medical Residency Programs" report by Doximity. Specialties placed in the top 10 for residency training in the West include

internal medicine, anesthesiology, dermatology, obstetrics & gynecology, orthopaedic surgery, otolaryngology, pediatrics, psychiatry, radiology (diagnostic) and surgery.

- **Outstanding Specialty Care** In the *U.S. News & World Report* 2018-19 "Best Hospitals" report, UC San Diego Health was ranked highly in six specialties, including: Pulmonology (#17), Geriatrics (#36), Cardiology and Heart Surgery (#40), Cancer (#45), Neurology and Neurosurgery (#46), and Orthopedics (#49).

- **Among 'Most Wired' Health Systems** In 2017, *Hospitals & Health Networks* magazine named UC San Diego Health one of the nation's most wired health systems. The award recognizes hospitals and health systems that excel in using information technology (IT) to advance patient care and population health, protect the privacy and security of patient information, and bring greater efficiencies to operations.

Unmatched Value

- **2nd Best College for Your Money** In 2018, *Money Magazine* named UC San Diego the 2nd best university in the nation for students seeking a quality education at an affordable price in their "Best Colleges for Your Money" ranking. The magazine editors praised the campus's social mobility efforts, citing UC San Diego's high graduation rates and record of boosting low-income students into the upper middle class.

- **Top 10 Best Value** UC San Diego was ranked the 9th best value university in *Forbes*' 2018 "America's Best Value Colleges" report, which ranked 300 universities across the nation for alumni earnings, school quality, access for low-income students, and more.

- **6th Best Earning Potential** UC San Diego is ranked 6th among 25 peer institutions for earning potential of graduates. According to the 2017 study by the *New York Times*, by age 34, UC San Diego graduates earn an average salary of $65,300 ($77,700 for men and $57,300 for women).

- **17th Best Value Public University in the Nation** In 2017, *Kiplinger's Personal Finance* named UC San Diego the 20th best value public

university in the nation based on its academic quality and affordability, including high four-year graduation rates, low average student debt at graduation, the availability of financial aid, and overall great value.

- **5th for Graduate Mid-Career Salary** A 2016 analysis of graduates' compensation from *Money.com* data shows that UC San Diego is the fifth best college for students seeking a path from an affordable public college to a high-paying job. Using data from Payscale, *Money.com* found that the average mid-career salary for a UC San Diego graduate is $106,000 and the average early career salary is $53,700.

GRADUATE PROGRAMS

- **Graduate Programs Ranked Top 25 in the Nation** Graduate programs at UC San Diego continue to rank highly as noted in the 2018 *America's Best Graduate Schools* guidebook, released by U.S. News Media Group, publishers of *U.S. News & World Report*.

    Fine Arts: time-based media/new media (3rd), fine arts (13th)

    Engineering: biomedical/bioengineering (2nd), best engineering school (12th)

    Health Sciences: drug and alcohol abuse research (10th), primary care (17th), School of Medicine research program (22nd), pharmacy (25th), clinical psychology (25th)

    Sciences: discrete mathematics and combinatorics (3rd), neuroscience/neurobiology (5th), plasma physics (7th), geophysics and seismology (8th), biochemistry (10th), computer science systems (11th), condensed matter physics (13th), programming language (13th), computer science theory (14th), earth sciences (15th), biological sciences (16th), computer science (16th), physics (16th), mathematics (19th), chemistry (20th)

    Social Sciences and Humanities: behavioral neuroscience (4th), econometrics (4th), international politics (4th), cognitive psychology (8th), public finance (8th),

political science (9th), comparative politics (10th), development economics (10th), American politics (11th), political methodology (12th), microeconomics (12th), Latin American history (12th), economics (12th), psychology (13th), English (24th)

- **Doctoral Programs Ranked 1st in the Nation** Three doctoral programs offered at UC San Diego — Biological Sciences, Bioengineering, and Scripps Institution of Oceanography — are ranked 1st in the nation according to the results of the 2010 National Research Council (NRC) Data-Based Assessment of Research-Doctorate Programs, conducted every ten years. Additionally, biomedical sciences was ranked 2nd, neurosciences 4th, and linguistics 9th in the nation, while 60 percent of all UC San Diego's doctoral programs are among the top 20 in their fields nationwide.

- **5th Best Drama School in the World** In 2018, *The Hollywood Reporter* ranked UC San Diego's Department of Theatre and Dance among the top five in the nation for the best bachelor's degrees to help launch an acting career. *The Hollywood Reporter* also named UC San Diego 4th in the nation among drama schools with an MFA program.

- **#1 Executive MBA Program in San Diego** In 2015, UC San Diego's Rady School of Management Executive MBA program was ranked 1st in San Diego, 2nd in California, and 33rd globally by *The Economist*.

- **Top University to Study International Relations** In 2018, UC San Diego was ranked second among public universities and 11th overall in *Foreign Policy* magazine's rankings of top U.S. undergraduate institutions to study international relations. The university's master's program for policy careers in international relations ranked first among public institutions globally. UC San Diego's PhD program for those seeking an academic career in international relations also secured the top spot among public universities across the world.

- **Top 20 Internationally for Philosophy** UC San Diego's graduate program in philosophy was ranked 20th overall in the 2018 *Philosophical Gourmet Report*, an international reputational survey conducted by Wiley Blackwell to recognize the top philosophy programs in the world.

ADDITIONAL RANKINGS

- **3rd Public Institution in World for High-Quality Science** UC San Diego ranked 3rd among public research institutions in the U.S. by *Nature Index* in 2018 for "high-quality science," based on research results its faculty, students, and staff published in 82 high-quality journals in 2017.

- **World's Most Influential Researchers** Thirty-two faculty members at UC San Diego are among the world's most influential researchers — those whose studies were among the top one percent most-cited publications in their fields based on their publications over the past decade — according to Clarivate Analytics' 2017 Highly Cited Researchers report.

- **Top 3 Academic Institution in Earth and Environmental Research** In 2016 the journal *Nature* ranked UC San Diego 2nd in the U.S. and 3rd worldwide in earth and environmental research based on total contributions to studies published in major science journals.

- **Top School for Peace Corps Service** UC San Diego ranks 14th nationally on the Peace Corps' 2016 list of "Top Colleges and Universities," marking the sixth consecutive year that UC San Diego has been named in the top 15. There are currently 36 UC San Diego undergraduate alumni serving as Peace Corps volunteers; in total, the campus has produced 807 volunteers.

- **4th in the Nation for Economic Diversity** *The New York Times* named UC San Diego 4th in the nation for providing access to low-income students in their 2017 College Access Index. The report assesses economic diversity based on the number of and graduation rate of students who receive Pell grants and the net cost, after financial aid, colleges charge both low- and middle-income students.

- **Top 10 LGBTQ-Friendly University** College Choice, an online publication that helps students select a school, named UC San Diego the 9th best public university for LGBTQ students in their 2017 list of the "50 Best Colleges for LGBTQ Students." In addition to being in the top 10 among public schools, UC San Diego was ranked 19th overall among public and private universities in the U.S.

- **Top 10 "Coolest School"** *Sierra* magazine named UC San Diego the 7th "Coolest School" in the nation in 2015 for displaying a deep and thorough commitment to protecting the environment, addressing climate issues, and encouraging environmental responsibility.

- **World's 3rd Most Beautiful Library** In 2017, CNN Travel named UC San Diego's Geisel Library the 3rd most beautiful library in the world in their list of the top seven most architecturally inspiring libraries.

- **Top Teach For America Contributor** UC San Diego was named 12th in the nation among schools contributing the most graduates to Teach For America in 2015. Corps members commit to teaching for at least two years in under-resourced schools and become lifelong leaders in the pursuit of educational equity.

- **Top Academic Surfing School in the Nation** In 2018 UC San Diego was ranked 1st nationally among "Top 10 Surf Colleges" by *Surfer Magazine*. Criteria included high academic standards and notable alumni, as well as access to high quality surf. UC San Diego's surf team has won six national championships.

ACTIVE FACULTY HONORS

- **Nobel Prize** Harry Markowitz, economics (1990); and Mario J. Molina, chemistry (1995). The 2007 Nobel Peace Prize was awarded to former vice president Al Gore and the Intergovernmental Panel on Climate Change, whose roster of researchers lists nearly two dozen Scripps Institution of Oceanography scientists including Mario Molina, Veerabhadran Ramanathan, Richard Somerville, and Lynne Talley.

- **Fields Medal** Michael Freedman, mathematics (1986); and Efim Zelmanov, mathematics (1994).

- **National Medal of Science** Margaret Burbidge, astrophysics (1983); Walter Munk, geophysics (1983); Craig Venter, pharmacology (2009); Marye Anne Fox, chemistry (2010); and Shu Chien, bioengineering (2011).

- **Presidential Medal of Freedom** Mario Molina (2013).

- **Pulitzer Prize** Roger Reynolds, music (1989); and Rae Armantrout, poetry (2010).

- **Kyoto Prize** Walter Munk, geophysics (1999).

- **MacArthur Fellows** Edwin Hutchins, cognitive science (1985); Nancy D. Cartwright, philosophy (1993); Kun-Liang Guan, pharmacology (1998); Guillermo Algaze, anthropology (2003); Carol Padden, communication (2010); and Stefan Savage, computer science (2017).

- **Tony Award** Judith Dolan, theatre and dance (1997).

- **Grammy Award** Kamau Kenyatta (2014).

- **John von Neumann Theory Prize in Mathematics** Ruth Williams (2016).

- **Academy Award** Henrik Wann Jensen, computer science and engineering (2004).

- **Wolf Prize** George Feher, chemistry (2007).

NOTABLE FORMER FACULTY AND ALUMNI HONORS

- **Nobel Prize** Harold Urey, chemistry (1934); Linus Pauling, chemistry (1954); Francis Crick, physiology or medicine (1962); Linus Pauling, peace (1962); Maria Goeppert-Mayer, physics (1963); Robert Holley, physiology or medicine (1968); Hannes Alfven, physics (1970); George Palade, physiology or medicine (1974); Renato Dulbecco, physiology or medicine (1975); Roger Guillemin, physiology or medicine (1977); Susumu Tonegawa '68, physiology or medicine (1987); Paul Crutzen, chemistry (1995); Sydney Brenner, physiology or medicine (2002); Robert Engle, economic sciences (2003); Clive Granger, economic sciences (2003); Roger Tsien, chemistry (2008); and Bruce Beutler '76, physiology or medicine (2011).

- **National Medal of Science** Harold Urey, chemistry (1964); Linus Pauling, chemistry (1974); Roger Guillemin, medicine (1976); Margaret Burbidge, astrophysics (1983); George Palade, medicine (1986); Michael Freedman, mathematics (1987); Roger Revelle, oceanography (1990); Marshall Rosenbluth, physics (1997); Yuan-Cheng Fung, bioengineering (2000); Charles David Keeling,

geosciences (2001); Andrew Viterbi, electrical and computer engineering (2007); and Craig Venter '72, pharmacology (2008).

- **National Medal of Technology and Innovation** Irwin Jacobs (1994).

- **Pulitzer Prize** Bernard Rands, music (1984).

- **Balzan Prize** Roger Driscoll, political science (1986); Roger Revelle, oceanography (1986); James Freeman Gilbert, geophysics (1990); Wolfgang Berger, geosciences (1993); and Harmon Craig, geophysics (1998).

- **Tony Award** Jefferson Mays '91 (2004) and Paloma Young '06 (2012).

- **Emmy Award** Larry Groupe, musical composition (1999, 2008).

- **Presidential Medal of Freedom** Sally Ride (2013).

- **Fields Medal** Michael Freedman, mathematics (1986); and Shing-Tung Yau, mathematics (1982).

- **MacArthur Fellows** Elizabeth Bates, cognitive science (1983); Ramon Arturo Gutierrez, ethnic studies (1983); Richard Schoen, mathematics (1983); Michael Freedman, mathematics (1984); Arnold Mandell, psychiatry (1984); Shing-Tung Yau, mathematics (1985); David Rumelhart, psychology (1987); Michael Schudson, communications (1990); Patricia Smith Churchland, philosophy (1991); Russell Lande, biology (1997); George Lewis, music (2002); Emily Ann Thompson, history (2005); and Carrie Mae Weems, photography and video art (2013).

- **Nebula Award** Greg Benford '67 (Best Novelette, *If the Stars Are Gods*, 1975; Best Novel, *Timescape*, 1980); Kim Stanley Robinson '74, PhD '82 (Best Novella, *The Blind Geometer*, 1987; Best Novel, *Red Mars*, 1993); and David Brin MS '78, PhD '81 (Best Novel, *Startide Rising*, 1984).

- **Wolf Prize** Roger Tsien, medicine (2008).

UC San Diego