COLABORACIÓN
UC SAN DIEGO Y MÉXICO
UC San Diego
En la Universidad de California en San Diego preferimos los caminos menos transitados, lo cual nos ha llevado a encontrar nuevas formas de ver el mundo y de marcar la diferencia en él. Nuestra ubicación en la frontera San Diego-Tijuana nos da una perspectiva global que nos une con nuestras contrapartes visionarias en México. Estas alianzas nos permiten buscar el bien común de forma no convencional: colaborar con instituciones académicas y de investigación, con organizaciones sin fines de lucro y con organismos gubernamentales para desarrollar soluciones interdisciplinarias para los problemas más urgentes de nuestro mundo.

Nuestros programas con México abarcan toda la Universidad: incluyen big data y arte, medicina genómica y economía, conservación y compromiso comunitario para empoderar a la siguiente generación de gente que cambiará el mundo para que abra un nuevo camino hacia ideas revolucionarias, preguntas inesperadas, descubrimientos que salven vidas y un impacto que cambie el planeta.

At UC San Diego, we prefer the path less traveled. And it has led us to remarkable new ways of seeing and making a difference in the world. Our location along the San Diego-Tijuana border gives us a global perspective that unites us with our forward-thinking counterparts in Mexico. These partnerships allow us to pursue the greater good in nonconventional fashion: collaborating with academic and research institutions, nonprofit organizations, and government agencies to develop interdisciplinary solutions to our world’s most urgent problems.

Our programs span UC San Diego, integrating big data and art, genomic medicine and economics, and conservation and community engagement to empower the next generation of changemakers to blaze a new path toward revolutionary ideas, unexpected answers, lifesaving discoveries, and planet-changing impact.
SCHOOL OF GLOBAL POLICY AND STRATEGY

The UC San Diego School of Global Policy and Strategy is poised on the edge of the Pacific — and at the intersection of the U.S. and Mexico. Our Center for U.S.–Mexican Studies has been a leading source of rigorous binational academic research on Mexico and U.S.–Mexican relations since 1979, informing the creation, implementation, and evaluation of public policy and improving cross-border cooperation.

COLLABORATIVE PROJECTS WITH MEXICO

At the School of Global Policy and Strategy, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- Experts from the U.S. and Mexico are working together on the U.S.–Mexico Security Cooperation Taskforce to provide guidance on U.S.–Mexico bilateral cooperation on security matters for the next six years, and offer concrete and applicable policy recommendations for the current state of U.S.–Mexican relations.
  Learn more at usmex.ucsd.edu/taskforce.

- The School of Global Policy and Strategy coordinates the United Nations’ Food, Agriculture, Biodiversity, Land, and Energy Project (FABLE) Mexico team to develop a framework for managing trade-offs and synergies in land use that help Mexico meet the national demand for food while maintaining biodiversity, improving conservation, and reducing deforestation.
  Learn more at ucsd.edu/FABLEproject.

- The Mexican Migration Field Research Program is a year-long course that allows binational teams of undergraduate and graduate students to conduct fieldwork and research on international migration.
  Learn more at ucsd.edu/MexicanMigration.
Faculty and students within UC San Diego’s Division of Arts and Humanities celebrate interdisciplinary approaches to understanding the world and imagining our future. Collaborations across the border are uncovering the urban and environmental history of the border region, exploring Chicana/o and Latina/o identity in the United States, and disrupting conventional representations of Mexican people to recognize how this robust cultural milieu shapes our region and our world.

COLLABORATIVE PROJECTS WITH MEXICO

In the Division of Arts and Humanities, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- **Bridging the Arts and Humanities** is a public lecture series designed to explore how arts and humanities inform discussions about the challenges facing our cross-border community — including deportation, migration, and resistance — and advance positive social change in the San Diego-Tijuana region.

  Learn more at [ucsd.edu/ChallengingConversations](http://ucsd.edu/ChallengingConversations).

- The **Chicano/a-Latino/a Arts and Humanities (CLAH) Program**, housed within the [Institute of Arts and Humanities](http://iah.ucsd.edu), unites students, staff, faculty, and community members in pursuit of interdisciplinary examinations of the arts, humanities, and social sciences that explore Chicana/o and Latina/o identity and its cultural influence.

  Learn more at [clah.ucsd.edu](http://clah.ucsd.edu).

- The **UC San Diego Mexican Philosophy Lab** — one of the first of its kind in the U.S. — is a visionary collaborative space where scholars can explore philosophy with Mexican roots and pursue original scholarship in historical and modern Mexican philosophical work.

  Learn more at [pli.ucsd.edu/filomex](http://pli.ucsd.edu/filomex).
DIVISION OF BIOLOGICAL SCIENCES

UC San Diego’s Division of Biological Sciences unites experts in neurobiology, molecular biology, ecology, evolution, behavior, and cell and developmental biology to spark scientific breakthroughs that improve human health and protect our environment. Partnerships with Universidad Autónoma de Baja California in Mexico place biological discovery within an international context that advances scientific understanding and expedites the application of new information to global challenges.

COLLABORATIVE PROJECTS WITH MEXICO

In the Division of Biological Sciences, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

Researchers from the Division of Biological Sciences are partnering with experts from Scripps Institution of Oceanography and Universidad Autónoma de Baja California (UABC-Ensenada) to pursue groundbreaking scientific discoveries, including:

- A cross-border collaboration to address the roles of electrical synapses in neural circuit development and encourage undergraduate students carrying out research in developmental neuroscience to participate in scientific and intellectual exchange.

- Research to discover and characterize novel antimicrobials in the medicinal leech genome to identify possible innovative antibiotics and quantify their activity against pathogens.

Learn more at biology.ucsd.edu.

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COLLABORATIVE PROJECTS WITH MEXICO

At UC San Diego Extension, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- A new partnership with Universidad de las Américas Puebla allows eligible students to complete a certificate in clinical trials in Latin America through a special program to expose researchers in Latin American countries to best practices in ethical guidelines and protocols for clinical research and trial design. Learn more at ucsd.edu/ClinicalTrialsLatinAmerica.

- Exchange programs, including Spanish language immersion programs, offer undergraduate and graduate students, as well as industry professionals, opportunities to develop Spanish language fluency while acquainting them with Mexican culture and history. Learn more at ucsd.edu/SpanishImmersionProgram.

- Vicente Fox Scholarships offer high-achieving high school students from underserved neighborhoods in Mexico opportunities to experience college life through Academic Connections, which provides research opportunities and coursework that enable students to establish cross-border relationships and engage with other communities, cultures, and languages. Learn more at academicconnections.ucsd.edu.

UC SAN DIEGO EXTENSION

UC San Diego Extension offers pre-college and continuing education to help students develop problem-solving, leadership, and innovation skills that enable them to make a difference in our diverse and interconnected global economy. International collaborations with Centro Fox, the Vamos Mexico Foundation, and Universidad de las Américas Puebla allow us to develop programs that increase student skill sets and cross-border partnerships that ensure our scholars’ success in today’s fast-paced global society.

The Campaign For UC San Diego

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JACOBS SCHOOL OF ENGINEERING

At UC San Diego Jacobs School of Engineering, students and researchers pursue groundbreaking engineering and computer science solutions to address our global society’s biggest challenges. Partnerships with institutions in Mexico, including the Centro de Enseñanza Técnica y Superior (CETYS), Universidad Autónoma de Baja California, and the United States-Mexico Foundation for Science, provide a robust collaborative environment that sparks innovation and makes our world a better place.

COLLABORATIVE PROJECTS WITH MEXICO

At Jacobs School of Engineering, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- Students in the Global Teams in Engineering Service (Global TIES) program — which unites engineering students with local organizations to implement solutions to local and global challenges — are collaborating with Cruz Roja to develop a mobile application that optimizes Tijuana’s existing emergency dispatch system and improves emergency response times.
  Learn more at globalties.ucsd.edu.

- ENLACE is a binational summer research program that encourages high school and college students from the Tijuana-San Diego border region to investigate pressing scientific and engineering questions in research labs across the UC San Diego campus and build personal and professional cross-border relationships.
  Learn more at graeve.ucsd.edu/ENLACE.

- The Cali-Baja Center for Resilient Materials and Systems not only brings together researchers and scholars to design materials and systems for extreme environments — including acidic, radiation, and high-pressure conditions — it also explores socio-economic disparities along the Tijuana-San Diego border region.
  Learn more at resilientmaterials.ucsd.edu.

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DIVISION OF PHYSICAL SCIENCES

UC San Diego’s Division of Physical Sciences is built on the backs of giants — Nobel laureates and National Academy of Science members who are committed to solving some of society’s most pressing problems. Our partnerships with Universidad Nacional Autónoma de México (UNAM), Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), and other institutions combine research excellence, educational innovation, and diverse perspectives to enhance our understanding of the world, expand the frontiers of scientific discovery, and leave our world a better place.

COLLABORATIVE PROJECTS WITH MEXICO

In the Division of Physical Sciences, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- A partnership with CICESE is investigating fungal infections that threaten crop health in Baja California Norte to better understand the small molecules produced by fungi to regulate plant growth in infected grape vines. Learn more at physics.ucsd.edu.

- Cátedra Augusto García González is a new lecture series on particle physics at the Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (CINVESTAV) for students at universities in Mexico, including Universidad Nacional Autónoma de México (UNAM) and CINVESTAV. Learn more at physics.ucsd.edu.

- Surfer-scientists at UC San Diego have partnered with manufacturers in Mexico to develop algae-based polyurethane as a biodegradable alternative to petroleum plastics used in surfboards and are preparing to scale the technology for commercial use. Learn more at ucsd.edu/go/green.
As our world continues to face unprecedented changes and challenges, the UC San Diego Rady School of Management is committed to educating ethical entrepreneurial leaders with the skills to revolutionize the way we approach problems and develop solutions. Our students and faculty members are partnering with local businesses and the Smart Border Coalition to make a positive impact on the world through innovation, collaboration, and knowledge.

COLLABORATIVE PROJECTS WITH MEXICO
At Rady School of Management, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

• The Baja California Immersion program collaborates with regional and multinational companies in Mexico to provide Rady graduate students with insight into the economic and cultural exchanges that influence our region’s dynamic, cross-border business culture.

Learn more at ucsd.edu/BajaCaliforniaImmersionProgram.

• The Smart Border Coalition is sponsoring the Border Innovation Challenge, a competition designed by Rady School of Management and Jacobs School of Engineering that combines experts from UC San Diego and entrepreneurial leaders from across the San Diego-Tijuana mega-region to uncover methods for increasing efficiency at the San Ysidro and Otay Mesa border crossings.

Learn more at rady.ucsd.edu.

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At UC San Diego, our $1.2 billion research enterprise transforms the way we see and understand the world. The Office of Research Affairs works with partners across campus and the region to ensure that innovative projects like the Alliance for Binational Border Solutions, the Bioregional Gateway, and the Qualcomm Institute’s Cultural Heritage Engineering Initiative are equipped with the resources they need to pursue revolutionary ideas, unexpected answers, lifesaving discoveries, and planet-changing impact.

COLLABORATIVE PROJECTS WITH MEXICO

UC San Diego’s Office of Research Affairs is committed to pursuing unconventional solutions to some of the world’s most pressing issues.

• The **Alliance for Binational Border Solutions** is a partnership designed to foster collaboration among government agencies, nonprofit organizations, and industry partners on both sides of the border to solve increasingly complex problems facing our border communities including health, education, environment, security, inequality, and migration.

• The **Bioregional Gateway** unites academic and government partners in Mexico and the U.S to establish an open-access mapping and visualization resource that researchers and community members can use to help design and carry out innovative approaches to climate change, green infrastructure, renewable energy, food and water security, and environmental health.

  Learn more at [bioregional.ucsd.edu/portal](http://bioregional.ucsd.edu/portal).

• The Qualcomm Institute’s **Cultural Heritage Engineering Initiative**, in collaboration with Instituto Nacional de Anthropología e Historia and others, has developed a high-resolution 3D visualization of Hoyo Negro, a submerged Late Pleistocene cave site on Mexico’s Yucatan peninsula that is one of the most promising frontiers for Paleoamerican studies of humans and fauna.

  Learn more at [hoyonegro.ucsd.edu](http://hoyonegro.ucsd.edu).
As Scripps Institution of Oceanography strives to understand and protect our planet, global partnerships are critically important. Our collaborations with Centro de Investigación Científica y de Educación Superior de Ensenada (CICESE), Universidad Autónoma de Baja California (UABC), Universidad Nacional Autónoma de México (UNAM), and others enable us to manage natural resources, monitor environmental changes, and develop timely solutions that improve the health of our shared marine ecosystems.

COLLABORATIVE PROJECTS WITH MEXICO

At Scripps Institution of Oceanography, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- A collaboration between Scripps Institution of Oceanography faculty members and the Megacity Initiative: Local and Global Research Observations (MILAGRO) is measuring air quality in Mexico City to better understand the major sources of high levels of air pollution and organize follow-up studies that assess the impact of policy changes over the last decade.
  
  Learn more at atofms.cloud.ucsd.edu.

- Experts from Scripps and Universidad de Sonora have launched Data Mares, which integrates data and analysis to establish robust open access to accurate scientific information and promotes understanding of coastal and marine ecosystems that improves sustainable conservation strategies.
  
  Learn more at datamares.ucsd.edu.

- The Gulf of California Marine Program unites experts from Scripps and Mexican institutions, including UABC, National Polytechnic Institute Oaxaca CIIDIR, and Universidad Veracruzana, to explore the effects of human activities on marine environments and strengthen conservation efforts.
  
  Learn more at gulfprogram.ucsd.edu.
COLLABORATIVE PROJECTS WITH MEXICO

At the Division of Social Sciences, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

• Our world-class social sciences centers, including the Center for Comparative Immigration Studies (CCIS) and the U.S. Immigration Policy Center (USIPC), provide research on sanctuary policies, undocumented immigration, and other pressing issues. CCIS recently compiled a report for Mexico’s National Human Rights Commission documenting civil rights abuses at the border. Learn more at ccis.ucsd.edu or usipc.ucsd.edu.

• Collaborations between the Department of Education Studies and parents, teachers, and service providers in Mexico examine cultural conceptions of autism spectrum disorders to improve diagnosis and treatment. And the Center for Global Mental Health identifies patterns of help-seeking in Northern Mexico to better understand emotional distress in young adults. Learn more at eds.ucsd.edu and cgmh.ucsd.edu.

• The UC San Diego Cross-Border Initiative collaborates with local leaders and community nonprofits at Community Stations — field-based hubs in underserved neighborhoods on both sides of the San Diego-Tijuana border — to address social, economic, and environmental health disparities across the region. Learn more at blum.ucsd.edu.

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UC San Diego Health is committed to advancing clinical care, translational research, and medical education that improves the well-being of every member of our society. Together, our researchers and partners in Mexico, including Hospital General de Tijuana and the Mexican Secretaría de Salud, are creating a healthier world — one life at a time — through new science, new medicine, and new cures.

COLLABORATIVE PROJECTS WITH MEXICO

At UC San Diego Health, we are committed to pursuing unconventional solutions to some of our world’s most pressing issues.

- The **Cross-Border Neuro-Oncology Program** brings together experts from UC San Diego Health, Rady Children’s Hospital, Mexican Secretaria de Salud, and Hospital General de Tijuana to increase access to neurosurgical services for children diagnosed with brain tumors and address disparities in pediatric oncology care.

- UC San Diego School of Medicine’s **Department of Family Medicine and Public Health** and partners at San Ysidro Health Center, La Maestra Community Health Centers, and other nonprofit organizations provide health assessments for asylum seekers entering the U.S. from Mexico.

- UC San Diego School of Medicine Division of Infectious Diseases and Global Health partners with the Mexico-U.S. Border Health Commission, Instituto de Enfermedades Respiratorias, Prevecasa A.C., and others to develop preventive interventions for HIV and other sexually transmitted diseases including **Seguro HIV-TRACE**, a web application that tracks HIV transmission clusters.

*Learn more at ucsd.edu/HIVPrevention.*
The Campaign for UC San Diego

campaign.ucsd.edu

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La Camapaña para la Universidad de California en San Diego es un esfuerzo exhaustivo de recaudación de fondos en toda la universidad, para empoderar a la siguiente generación de innovadores y que abra camino hacia ideas revolucionarias, respuestas inesperadas, descubrimientos que salven vidas y un impacto que cambie el planeta.