



Membrane separators in the Waste Water Treatment Center

TRANSDISCIPLINARY RESEARCH

The University's nine mission-driven Research Centers deliver innovative solutions built upon collaborative and interdisciplinary approaches and seek to address the grand challenges of our time in water, food, energy, and the environment. KAUST's Research Centers include:

- Advanced Membranes and Porous Materials
- Catalysis
- Center for Desert Agriculture
- Clean Combustion
- Computational Bioscience
- Red Sea
- Solar and Photovoltaics Engineering
- Visual Computing
- Water Desalination and Reuse

The Core Labs and Central Workshops offer state-of-the-art research equipment to support the faculty, scientists, students, and international collaborators in their innovative research at the frontiers of basic and disciplinary science and engineering. The Labs and Facilities include:

- Advanced Computation and Visualization
- Advanced Nanofabrication, and Thin Film
- Analytical Chemistry
- Biosciences and Bioengineering
- Central Workshops
- Coastal and Marine Resources
- Imaging and Characterization
- Supercomputing

These facilities, developed in close consultation with KAUST's global network of partners, provide a platform of support as well as unique research opportunities to KAUST faculty and students, and the broader research community.

GLOBAL RESEARCH NETWORK

At KAUST, innovation and discovery are not constrained by borders, disciplines, language, or culture. KAUST has engaged in a diverse and unique set of international research partnerships to support its accelerated development and ensure its sustained growth at the highest international standards.

These research collaborations support activities as diverse as faculty recruitment, student recruitment, facilities and laboratory development, and rapidly initiating high-quality research on campus.

KAUST's global network now includes leading researchers, research groups, universities, research institutions, and companies spanning the globe:

ACADEMIC AND RESEARCH PARTNERS

Academy of Sciences of the Czech Republic
 American University in Cairo
 California Institute of Technology
 Centrum Wiskunde & Informatica
 Chalmers University of Technology
 Chinese University of Hong Kong
 Clemson University
 Colorado State University
 Cornell University
 École Polytechnique Fédérale de Lausanne
 ETH Zurich
 Fraunhofer ITWM
 Georgia Institute of Technology
 Harvard University
 Hong Kong University of Science and Technology
 IBM
 Imperial College London
 Institut Français du Pétrole
 International Medical Center, Jeddah
 Iowa State University
 Jilin University
 King Fahd University of Petroleum and Minerals
 Lomonosov Moscow State University
 Massachusetts Institute of Technology
 National Taiwan University
 National University of Singapore
 Pennsylvania State University
 Princeton University
 Scripps Research Institute
 Stanford University
 Széchenyi István University
 Technische Universität Dresden
 Technische Universität München
 Texas A&M University
 Trinity College Dublin
 University of North Carolina
 University of California
 University of Cambridge
 University of Connecticut
 University of Illinois
 University of Kentucky
 University of Massachusetts
 University of Michigan
 University of Oxford
 University of Rome La Sapienza
 University of South Florida
 University of Stuttgart
 University of Sydney
 University of Texas
 University of Tokyo
 University of Toronto
 University of Wollongong
 University of Wyoming
 Utrecht University
 Woods Hole Oceanographic Institution



جامعة الملك عبد الله
 للعلوم والتقنية
 King Abdullah University of
 Science and Technology

VISITING STUDENT RESEARCH PROGRAM



www.kaust.edu.sa

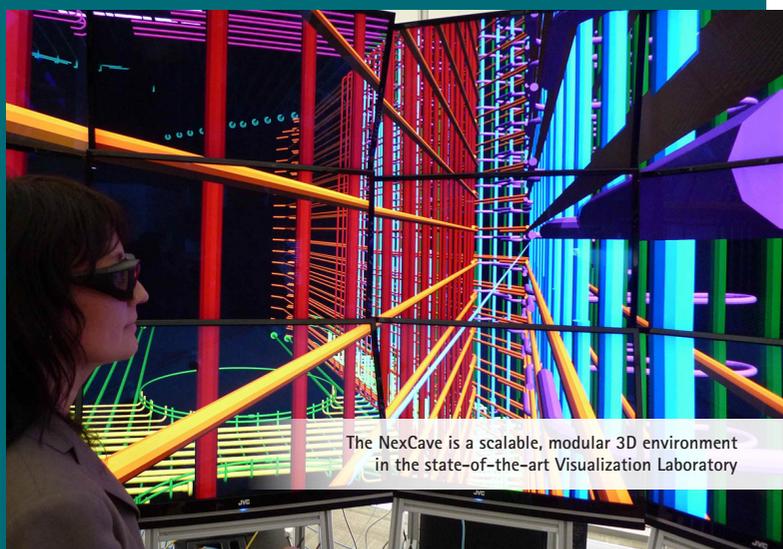
KAUST – Through inspiration, discovery

King Abdullah University of Science and Technology (KAUST) is a graduate-level research university located on the shores of the Red Sea that engages students, researchers, and faculty in advancing science and technology through collaborative inquiry of regional and global significance. The University's unique matrix structure supports both basic and goal-oriented research to benefit Saudi Arabia and beyond. With an emphasis on computational science, KAUST is committed to cutting-edge research in the areas of:

- Water
- Food
- Energy
- Environment (including the Red Sea)

KAUST's long-term commitment to these areas attracts world-class faculty, students, and researchers who cultivate a dynamic and collaborative environment of bold scientific research and innovation. KAUST is where adventurous and imaginative individuals engage in a journey of intellectual and cultural discovery. Research activity advances scientific and technological knowledge; faculty and scientists are educating a new generation of world class scientists, engineers, and entrepreneurs; and Economic Development is catalyzing the knowledge economy to create future opportunities in Saudi Arabia and beyond.

In 2011, KAUST was named **Lab of the Year** by leading science and technology publication, *R&D Magazine*



The NexCave is a scalable, modular 3D environment in the state-of-the-art Visualization Laboratory

Genome modification research is conducted using salt tolerant sea asparagus plants

PROGRAM DESCRIPTION

The Visiting Student Research Program (VSRP), is a new, and exciting opportunity for highly qualified students in their baccalaureate or post-baccalaureate studies to conduct research with faculty mentors in selected areas of research. The length of the program can be as few as three months and up to but not exceeding six months.

VSRP students may participate in the program through one of KAUST's three main academic divisions: Biological and Environmental Sciences and Engineering; Computer, Electrical and Mathematical Sciences and Engineering; or Physical Sciences and Engineering.

New research proposals are added throughout the year. Start dates vary by research project in conjunction with different academic calendars and with faculty agreement.

KAUST VSRP STUDENTS WILL RECEIVE THE FOLLOWING:

- Academic credit
- A monthly living allowance of between US\$800 – \$1,200 (based upon field of research)
- Round-trip airfare to and from city of departure and KAUST (Jeddah)
- Medical/Health insurance
- Private bedroom and bath in a shared residential suite
- Visa fees (students must have a valid passport)
- Access to community recreational services
- Social and cultural activities
- An opportunity of a lifetime to work closely with faculty in stunning world class facilities.

APPLICATION PROCEDURE AND REQUIREMENTS

Applicants may apply for the projects via the VSRP website <http://www.kaust.edu.sa/internship/>. Selected applicants will then be interviewed by Skype and notified of their acceptance.

STUDENTS MUST HAVE:

- Completed their third year of baccalaureate studies, or completed their baccalaureate degree (bachelor's degree); or
- Pursuing post-baccalaureate degree (i.e., master's degree)
- Cumulative grade point average (GPA) of at least 3.5/4.0 or better. Some research projects may require cumulative GPA of 3.6 or better;
- Provide academic transcript(s), and
- Recommendation of faculty advisor in field of study from current school of enrollment.

Note: Currently enrolled KAUST students, KAUST Alumni, and students currently in a PhD program or who have earned a PhD are not eligible to participate in the program.



Apply now at
<http://vsrp.kaust.edu.sa/Pages/Internships.aspx>
Contact Us at: vsrp@kaust.edu.sa



A marine science student collects data from coral reefs in the Red Sea

ACADEMICS

Graduate education at KAUST is transdisciplinary and is organized in three broad Academic Divisions, under which the University offers degrees in eleven fields of study:

BIOLOGICAL AND ENVIRONMENTAL SCIENCES AND ENGINEERING DIVISION

- Bioscience
- Environmental Science and Engineering
- Marine Science

COMPUTER, ELECTRICAL, AND MATHEMATICAL SCIENCES AND ENGINEERING DIVISION

- Applied Mathematics and Computational Science
- Computer Science
- Electrical Engineering

PHYSICAL SCIENCES AND ENGINEERING DIVISION

- Chemical and Biological Engineering
- Chemical Science
- Earth Science and Engineering
- Materials Science and Engineering
- Mechanical Engineering

All students receive the benefits of the KAUST Fellowship, the University's scholarship program:

- Full tuition support
- Competitive monthly living allowance
- Housing
- Private medical and dental coverage
- Relocation support