

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KSA
Arabic World: a Culture in motion

Map

Photos



 **KAUST**

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, KSA

An opportunity for Italian young Researchers

Map

Photos



 **KAUST**



Discover KAUST

Graduate level research university governed by an independent Board of Trustees.

Merit based, **open to all** from around the world.

Conducts both fundamental and goal-oriented research to contribute to Global human progress

Fostering cutting edge research in the areas of **Math, Physics, Chemistry Engineering, Nanotechnology, Bioscience.**

Collaborative research projects, linking industry R&D and economic development.

Core Competitive Grant Funding System

2nd World Largest Endowment (After Harvard).



Discover KAUST

Beacon of a major Government sponsored higher education program.
Currently more than 150.000 Students (50% women) studying abroad.

Transition from Oil-Based to Fundamental Knowledge based Economy

Multicultural Community

Currently 80 Nations represented

Infrastructures, Education, Health, Technology

Our campus

150+ world class faculty (still recruiting to reach 225) directs the University's talented graduate students, post docs and researchers

The KAUST student body at maturity will total **2000 students**. The current population is **1000+ students**.

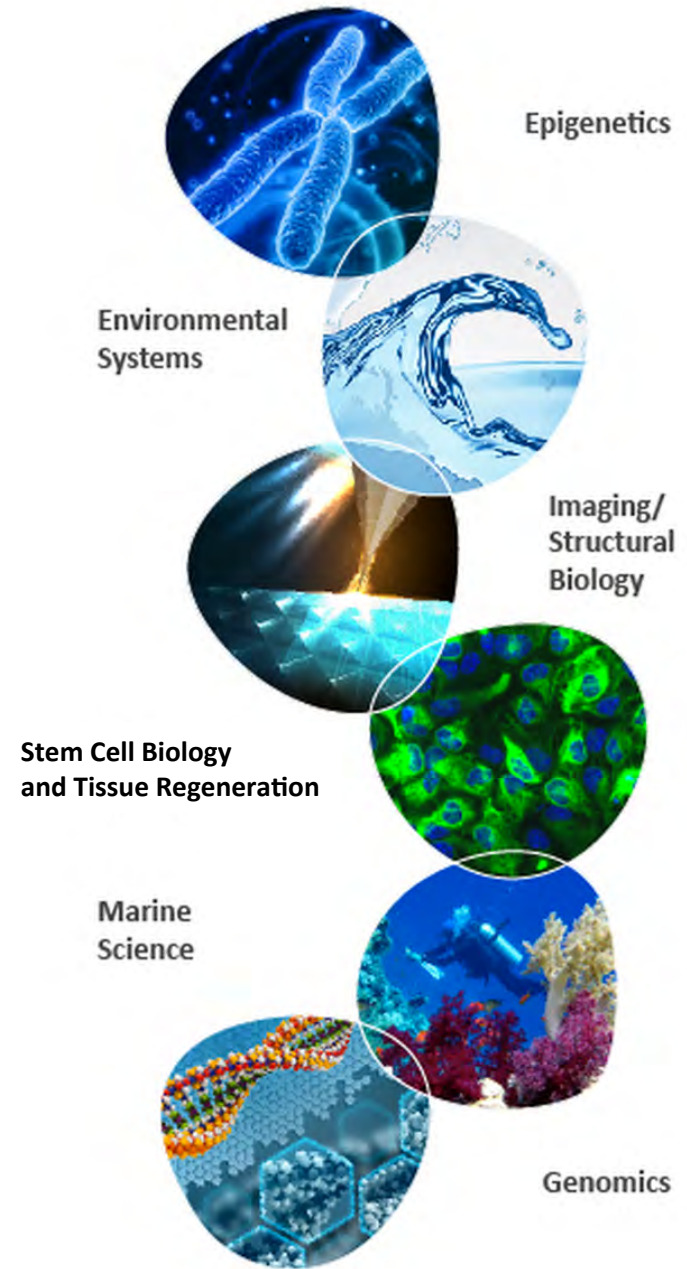
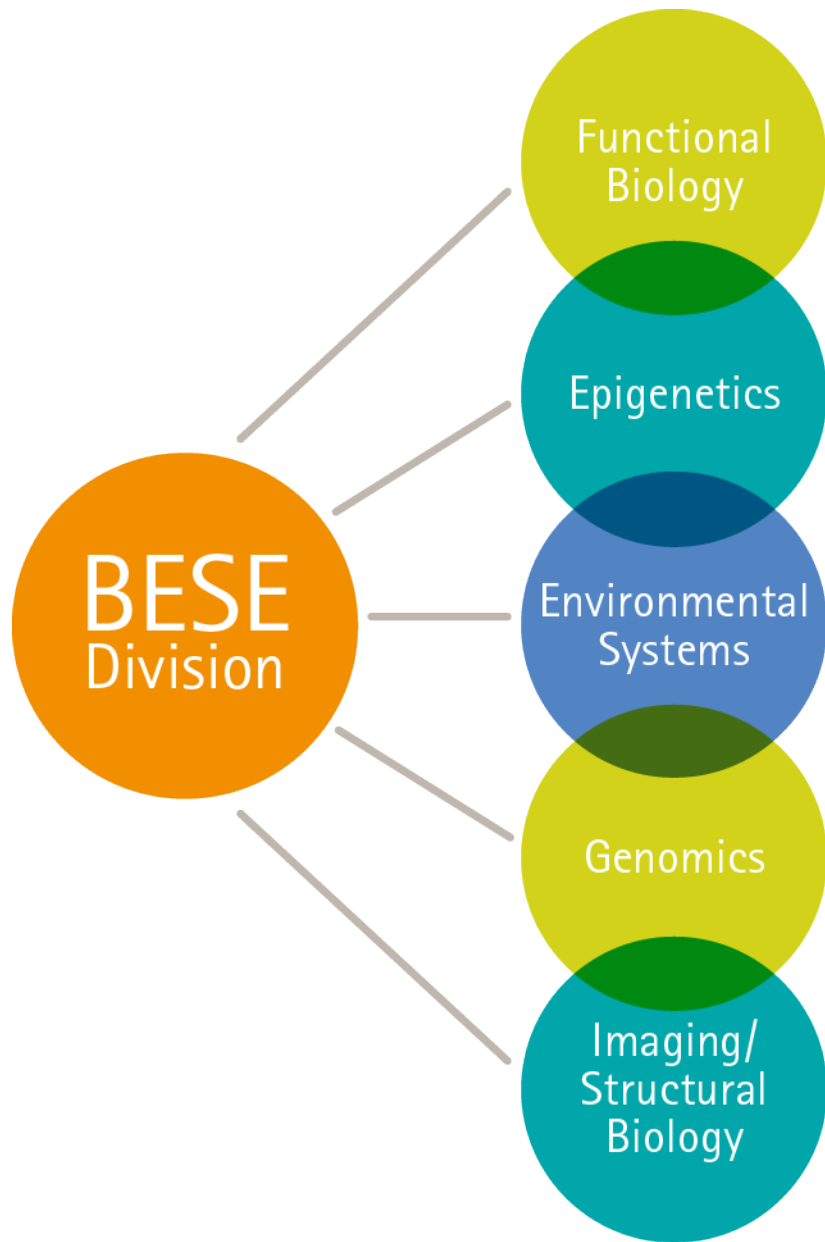
Current Post Doctoral and research staff totals **560+ members**.

Incubator for Spin offs, R&D support
By a dedicated Economic Development
Department.









NEST

Neuroscience

Epigenetics

Stem Cell and Regeneration Technology

Bio

N

euroscience

E

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S

tem Cell Biology

T

echnology



A huge Genetic Island

King Abdullah
University of Science...



Red Sea Research Center

The **Red Sea Research Center** has both the immediate access to reefs and world-class facilities, making it perfectly situated to develop an integrated understanding of coral reef ecosystems and their oceanographic context.

Current projects:

- Extremophiles in the Deep Brine Pools of the Red Sea
- Modeling the Ecosystem of the Red Sea
- Whale Shark Tagging/Tracking Project



Xabier Irigoyen
Director

Center for Desert Agriculture

The **Center for Desert Agriculture** focuses in studying the molecular mechanisms underlying plant tolerance to drought and salt-stress conditions, and in developing technology to improve these conditions to improve food security.

Current projects:

- Halophyte Domestication
- Engineering Drought and Salinity Tolerance in Wheat, Tomatoes and Rice.



Heribert Hirt
Director





welcome to KEEP

KAUST Environmental
Epigenetics Research
Program

Welcome by Prof. Orlando

A brief introduction about KAUST
Environmental Epigenetics Research
Program.



Research News

[view all](#)



Prof. Wolfgang Fischle joins the
Kaust Environmental Epigenetics
Program



Zymo Research Visited KAUST

Events

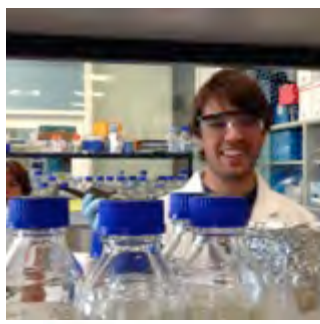
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Seminars and Conferences
Epigenetics Club

Epigenetics

[Epigenetics](#)

Why we are not just what our
DNA is?



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Science and Technology

KAUST Environmental Epigenetics Program

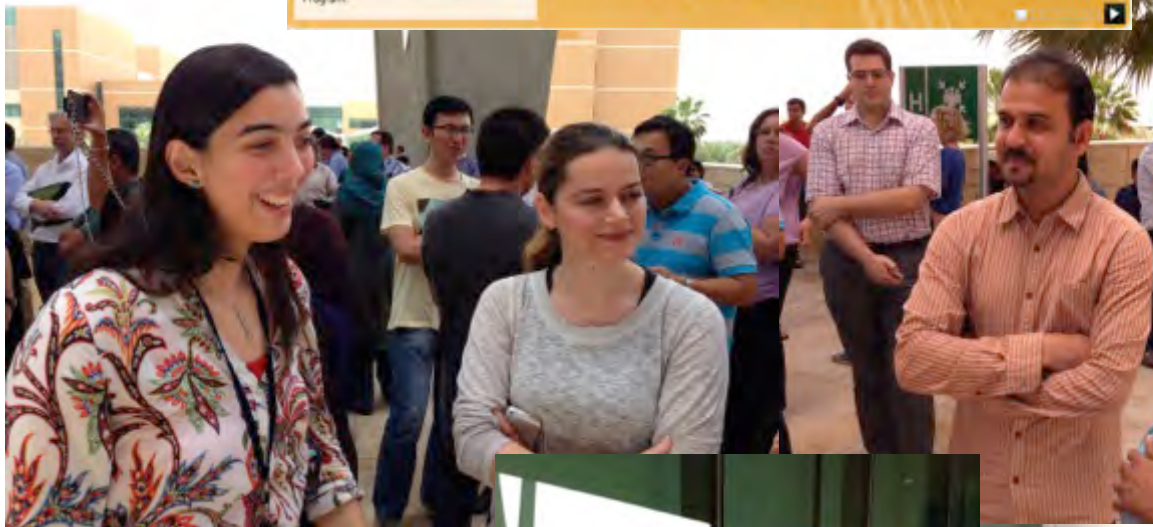
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KEEP

welcome to
KEEP

Welcome by Prof. Orlando
A brief Introduction about KAUST
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KAUST Environmental
Epigenetics Research
Program



Manjula Thimma
Gregorio Alonis Lobato



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KAUST Environmental Epigenetics Program



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KAUST Partnerships with UCI
Center for Epigenetics and Metabolism and KAUST forge partnership to advance research in Epigenetics

KAUST & UCI Irvine Partnership

Research News [view all](#)



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Events [view all seminars](#)

Seminars and Conferences

Epigenetics Club


Epigenetics [Epigenetics](#)

Why we are not just what our DNA is?

MAJOR PARTNERSHIP BETWEEN KEEP AND OTHER ENTITIES



University
California
Irvine



RIKEN
Omics Science Center



Salk, La Jolla





epigenetics & environment

KAUST-UCI Symposium

KAUST, Thuwal, Saudi Arabia
December 2 to 6, 2015

confirmed speakers:

Moussa Benhamed
KAUST

Shelley Berger
University of Pennsylvania

Vincent Colot
ENS, Paris

Anne Ferguson-Smith
University of Cambridge

Wolfgang Fischle
KAUST

Fred Gage
The Salk Institute

Ueli Grossniklaus
University of Zurich

Rudolf Jaenisch
Massachusetts Institute of Technology

Edith Heard
Institut Curie, Paris

Axel Imhof
University of Munich

Rob Martienssen
CSHL, HHMI

Renato Paro
ETH Basel

Timothy Ravasi
KAUST

John Rinn
Harvard University

Carmen Sandi
EPFL, Lausanne

Robert Schneider
IGBMC, Strasbourg

Maria Torres Padilla
IGBMC, Strasbourg

Li-Huei Tsai
Massachusetts Institute of Technology

Antonella Riccio
University College London

Eric Verdin
University of California, SF

Rick Young
Whitehead Institute for Biomedical Research

Ken Zaret
University of Pennsylvania

organizers:

Valerio Orlando
KAUST

Paolo Sassone-Corsi
University of California, Irvine

Emiliana Borrelli
University of California, Irvine

Pierre Magistretti
KAUST

Juan Carlos Izpisua Belmonte
The Salk Institute

Faculty Positions Epigenetics

The Biological and Environmental Sciences and Engineering (BESE) Division at King Abdullah University of Science and Technology (KAUST) has launched its new Environmental Epigenetics Research Program (KEEP), an initiative led by Professor Valerio Orlando (valerio.orlando@kaust.edu.sa).

Among the strategic aims of this research initiative is the unraveling of the fundamental mechanisms that control genome function and the ability to learn, remember and interact with the environment. These include signaling (e.g. metabolism) to chromatin, noncoding genome output and dynamics, nuclear architecture, epigenomics and how this matters for development, adaptation, cell reprogramming, tissue regeneration, transgenerational inheritance, in particular in somatic tissues and extreme environments. For more information on this strategic initiative, please visit <http://keep.kaust.edu.sa>.

KAUST is seeking international, top qualified candidates, willing to pursue highly innovative, ground-breaking, interdisciplinary, fundamental-question and technology-oriented research projects to advance the field of Epigenetics and our current knowledge of epigenome function, and explore potential applications.

Applications for faculty positions at all ranks (Assistant, Associate, and Full Professor) are now welcome. Please visit <https://apptrkr.com/436381> under the Employment tab to apply. Applications received by April 15, 2014 will receive full consideration, however, positions will remain open until filled.

About KAUST

KAUST is an international, graduate research university dedicated to advancing science and technology through interdisciplinary research, education, and innovation. Located on the shores of the Red Sea in Saudi Arabia, KAUST offers superb research facilities, generous assured research funding, and internationally competitive salaries, attracting top international faculty, scientists, engineers, and students to conduct fundamental and goal-oriented research to address the world's pressing scientific and technological challenges related to the sustainability of water, food, energy, and the environment.



Postdoctoral positions in Epigenetics at KEEP



KAUST Environmental Epigenetics Research Program Laboratory of Epigenetics and Cell Reprogramming

The Biological and Environmental Sciences and Engineering (BESE) Division at King Abdullah University of Science and Technology (KAUST) has launched its new Environmental Epigenetics Research Program (KEEP). This research initiative on Epigenetics is aimed at the investigation of the fundamental mechanisms that control genome-environment interactions and how this matters for cell identity, reprogramming and adaptation.

Applications for Postdoctoral fellowships are now welcome in the Laboratory of Professor Valerio Orlando. Applicants must hold a PhD and preferably have experience in epigenetics, chromatin, RNA-protein interactions, and/or computational sciences.

Projects include: the systematic investigation of the functional role of the noncoding part of the genome, particularly epigenetic mechanisms controlled by polycomb, RNAi, chromatin associated ncRNA and repetitive elements in somatic cell differentiation, adaptation, stress response and reprogramming.

This unique initiative is enhanced by interdisciplinary research with other areas at KAUST, such as: mathematics, computational sciences, biophysics, chemistry and engineering; in addition to the state-of-the-art research facilities and Core Labs for "omics" and bioimaging; and the strategic joint programs with other international epigenetics centers and networks.

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For inquiries please contact:
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<http://keep.kaust.edu.sa>