KIST EUROPE

The gateway to Korea-EU R&D collaboration

KIST Europe is the only governmental R&D institute of Korea in Europe founded in 1996 in Saarbrücken, Germany.
Since its inception, KIST Europe has exhibited a sustainable growth to establish a bridgehead for Korean R&D institutes and industries seeking collaborations and advances into the Europe.

VISION & CORE STRATEGIES

Serve as an Open Research Platform for Korea-EU R&D Collaboration and Industry Support

Capacity
- Concentration on core research themes
- Expansion of research infrastructure to the strengthen core research capacities

Open R&D
- Launching a global test-bed platform to stimulate R&D cooperation
- Expansion of cooperation with EU

Industry Support
- Support for improved sustainability and industrial competitiven

LOCATION & INFRASTRUSTURE

KIST Europe Main Building

Korea-EU Cooperation Building

Guest House (Coming Soon)

HISTORY

1995.03
The official visit of the 14th Korean President KIM, Youngsam to Germany
Both governments agreed on the establishment of a Korean research institute organization within FhG.

1996.02
Foundation of KIST Europe
Roles: Researches on applied environmental & strategic technologies and channels for national cooperations

Classification of organization : Limited liability company with 1 sole member (President of KIST)

2000.04
1st building completion (providing 5,275 m² with 4 stories)

Facilities : Labotories, Offices, Meeting Rooms, Lecture and Conference Rooms

2006.04
10th Anniversary

2010.04
2nd building completion (providing 2,069 m² with 3 stories)

Facilities : 2 complexes for offices, laboratories

Roles : Providing facilities for local industries, academic institutions and research organisations

2016.05
20th Anniversary

2017.12
Inauguration of 8th Director (Dr. Junkyung Kim)

KIST Europe
Korea Institute of Science and Technology

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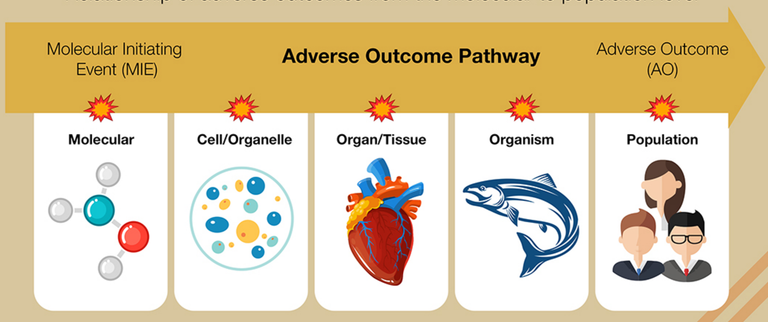
SIGNATURE RESEARCH

THEME Development of Steroidogenesis AOP framework

Definition of AOP

Relationship of adverse outcomes from the molecular to population level



RESEARCH AREAS

ENVIRONMENTAL SAFETY

- Adverse outcome pathway platform for non-animal or animal alternative test in chemical safety assessment
- Ecotoxicological model using zebrafish embryo/larvae and other environmental biota
- Quantitative mass spectrometry based metabolomics in toxicological assessment
- 3D tissue mimics and organoids for in vitro toxicity screening
- Mathematical biology and in silico computational ecotoxicology
- Environmental Risk assessment on EDCs

BIOSENSOR

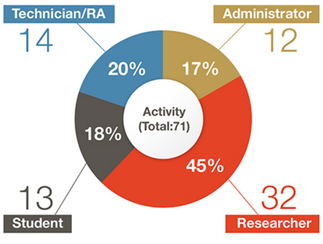
- EDC screen sensors simulating enzymes and receptors
- Probe materials with high selectivity to molecules/heavy metals for non-animal or animal alternative test
- Ultra high efficient electrophoretic analysis and isotachophoretic sample concentration
- Magnetotactic bacteria for environmental safety assessment
- Flow batteries and fuel cells with ionic liquid for improvement of device safety

SMART CONVERGENCE

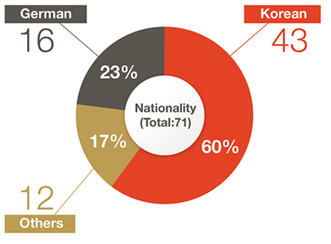
- Development of IoT-based monitoring system
- Machine learning algorithm for smart services
- Conceptual architecture design of future mobile and web applications
- Analysis and consulting for Industry 4.0 (Smart Factory/Healthcare/City etc)

PERSONNEL STATUS

Number of Employees (As of 2019.06)



Nationality of Employees (As of 2019.06)



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