Vision

- Developing a world-class Life Science school
- Fostering creative minds that lead in technology and innovation
- Strengthening students through excellent faculties and field training

History

- 2004: UST Established
- 2008: Launched Bioinformatics Major
- 2010: Launched Biosystems and Bioengineering Major
- 2011: Launched Bioprocess Engineering Major
- 2017: Launched UST KRBIB School

Organization

- KRIBB
- KRIBB School
- Academic Affairs Team
- Bioscience
  - Functional Genomics
  - Proteome Structural Biology
  - Bioinformatics
  - Bio-molecular Science
- Biotechnology
  - Nano biotechnology
  - Bioprocess Engineering
  - Biosystems and Bioengineering
  - Environmental Biotechnology
Majors

Educate professionals who will learn about technologies necessary to understand omics, bioscience-based vital phenomena, and biosignal transmission and contribute to various bioscience technologies that are critical to the Fourth Industrial Revolution.

Functional Genomics
- Discover genes related to various diseases (e.g., cancer, diabetes) and identify mechanisms
- Develop personalized precise medical technology through multiomics analysis
- Develop technology based on stem cell research and conduct applied research in regenerative medicine

Bioinformatics
- Efficiently analyze bio big data such as genome and transcriptome
- Discover biomarkers through comprehensive analysis of omics information
- Secure individual genome and expertise in the era of precise medicine

Proteome Structural Biology
- Identify proteome structures and functions based on proteome structured biology
- Develop proteome structure-based new drugs, vaccines for contagious diseases, and diagnosis technology
- Develop next-generation proteome analysis technology based on BT-NT-IT convergence

Bio-molecular Science
- Develop diagnostic methods for disease medicine (compounds, medical supplies)
- Research organic molecules based on an integrated understanding of biology and chemistry
- Research genome editing and develop original materials for herbal medicine

Nanobiotechnology
- Research disease diagnosis and treatment using nanobiotechnology
- Conduct research on development and use of functional nanobiomaterials
- Conduct research related to high-sensitive biosensors/chips and biointerfacing

Bioprocess Engineering
- Develop BT-based bioprocess and industrialization
- Develop biochemical materials based on microbial technology and conduct research on production process
- Develop biomedicine based on animal cell engineering and conduct research on production process

Environmental Biotechnology
- Conduct research related to environmental preservation and restoration using biosystems
- Conduct research on functions and use related to microorganisms, plants, and microalgae
- Produce bioenergy and chemical materials using bioresources

Our research can be applied to a wide range of areas such as environmental protection, food production, disease prevention, and energy production. We produce high-quality bioscience researchers to lead 21st-century bioeconomics based on theoretical and practical education.
ICORE

- SMEs-KRIBB School-UST agreement lead to customized training
- Fostering the excellence in research demanded by industry

- Enrollment
  - Future employment(conditional) : A degree course leading to employment after graduation
  - Retraining type : A degree course tailored for incumbents’ qualitative improvement
- Number of participating companies : 11 Companies

Career Path

**Alumni 335**
(As of February, 2020)

- Master’s 190
- Ph.D. 145

Degree holders have job opportunities at government-funded research institutes, public institutions, universities and enterprises

(As of February, 2020)
Benefits

Training Grant

**Master’s Program**
Up to KRW 1.8 million a month

**Ph.D. Program**
Up to KRW 2.5 million a month

Welfare/Rewards

- Social Security / Severance Pay
- Dormitory / Annual Medical Examination
- Awards for Excellent Research
- Scholarship

- Priority given to KRIBB School students
- KRW 2.5 million per semester

Student Council

- Independently organized and managed by student body
- Intramural athletic events, town hall meeting, social gathering and much more

Commencement  Academic Awards & Honors  Learning Support

Athletic Event  Social Gathering  School Event
Admissions

Application

Admission Type

- Foreigners
- Military Commissioned Courses
- Koreans Living Overseas
- Political Refugees

Spring Semester: March
Fall Semester: September

Requirements

**Doctoral Program**
- A Master's Degree from a regionally accredited Korean institution or a compatible degree from an international institution is required.
- Qualifications equivalent to a Master's degree or approved by law are required.

**Integrative / Master's Program**
- A Bachelor's Degree from a regionally accredited Korean institution or a compatible degree from an international institution is required.
- Qualifications equivalent to a Bachelor's degree or approved by law are required.

Official Test Scores

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- Admission Fairs: February and August Every Year
- UST Global Research Internship (2 months in summer)

※ For more information, please refer to [http://www.ust.ac.kr](http://www.ust.ac.kr)

Contact Us

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Technology for Life,
Our Future