**Call for Trainees for the Fourth International Training Course on Industrial Synthetic Biotechnology**

Hosted by Tianjin Institute of Industrial Biotechnology (TIB), CAS

**Background**

Synthetic biology is widely regarded as a forward-looking and disruptive technology. The industrial application of synthetic biology is expected to provide new solutions to the major challenges on resources, health and environment faced by human beings.

Tianjin Institute of Industrial Biotechnology (TIB), Chinese Academy of Science (CAS) is a leading institute in the field of synthetic biology and green bio-manufacturing, well equipped with state-of-the-art facilities, committed to promoting eco-friendly development in industrial sectors by innovative biotechnology. The COMSATS Joint Center for Industrial Biotechnology (CCIB), co-built by TIB and COMSATS in April 2021, is targeted to build an open, shared, and innovative cooperation platform, integrating the functionalities of Joint research and development, academic exchange, talent training, technology transfer, strategic consulting and etc., so as to promote the development of biotechnology and bioindustry in the COMSATS member states and the “Belt and Road” countries.

From 2019 to 2022, TIB has successfully hosted three editions of International Training Course on Industrial Synthetic Biotechnology (ITC-ISB) and there were over 150 researchers and young scholars from about 20 countries being trained. To encourage more young scientists from the Belt and Road countries to extend their career to Synthetic Biology, with the support of related training programs from CAS, TIB will organize the fourth ITC-ISB this year.

**General Information**

* Number of trainees: ~20
* Duration: no less than 12 consecutive days, tentatively ranging between November 1 and November 15
* Hosted by: TIB, CAS
* Organized by: COMSATS Joint Center for Industrial Biotechnology (CCIB)
* Main Venue: TIB
* Language: English

**Contents**

The training course will focus on the theory, practice and application of the Industrial Synthetic Biotechnology. The main contents include:

* Technical courses: basic theory, methodology, technological progresses and applications of synthetic biotechnology in various fields such as health products, materials, chemicals, fuels, food and feed additives
* Experimental courses: series of well-designed experiments in synthetic biology to strengthen the technical skills
* Site visit: the core facilities of TIB, the national professional maker space for biotechnology, leading biotech companies carefully selected

**Financial Support**

* Round-trip ticket (economy class)
* Local hospitality, including accommodation, meals and relevant local transportation
* Inclusive training fee

**Eligibility Criteria**

* Enrollment regions: Researchers from the Belt and Road countries and beyond, especially those from COMSATS member countries and ANSO members
* Age limit: not more than 40 years old in principal
* Education background: Self-motivated young researchers/engineers having Ph.D. degree with more than 2 years of working experience in the field of biotechnology, particularly industrial biotechnology, microbiology, molecular biology, synthetic biology, bioinformatics, metabolic engineering, bio-catalytic engineering, fermentation engineering, bioprocess engineering, etc.
* Language requirements: good communication skill in English

**Application Documents**

* A cover letter, stating the reasons for applying for the training, cooperation plans or request for potential collaborator through this training course, etc
* Recommendation letters from the Principal Investigator and the head of International Cooperation Department of the candidates’ organizations
* Application Form (attached)
* C.V. in which selected publications must be mentioned
* Brief introduction (template attached)
* Recent 2-inch full-faced and bareheaded electronic photo (preferably 3.5 x 4.5 cm)
* E-copy of the passport and previous Chinese visa if available
* Clean bill of health

**Key Date**

Deadline for Application: July 30th 2023. The application documents should be submitted to the e-mail address: CCIB@tib.cas.cn.

Notice of Acceptance: August 15th 2023 by email

**Contact Information**

Ms. Qianqian Ge, CCIB Secretary

Ms. Qianqian Chai, CCIB Coordinator & TIB International Cooperation Officer

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**Attachment**

1. Application Form
2. Personnel Introduction-template