

CAS-TWAS Centre of Excellence for Biotechnology



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for Biotechnology**

CAS-TWAS Centre of Excellence for Biotechnology (CoEBio) is one of the 22 CAS-TWAS Centres of Excellence (CoE), which are supported by the Chinese Academy of Sciences (CAS) and the Academy of Sciences for the Developing World (TWAS) — for the advancement of science in developing countries. Coordinated by the CAS Institute of Microbiology (IMCAS), CoEBio is an open and integrative platform aiming to enhance the biotechnology development in developing countries. CoEBio strives to improve and reinforce biotechnology education, scientific communication, project cooperation and strategic intelligence analysis with the purpose of providing biotechnological solutions for addressing resources, energy, population, health and environment issues within developing countries.

The main missions of CoEBio include:

(1) Assisting developing countries in advancing the education of students and scholars.

CoEBio will collect and spread recruitment information from biotechnology related research groups within CAS, receive and educate postgraduate students and visiting scholars from developing countries, and organize annual meetings to facilitate information and technological exchange.

(2) Organizing biotechnological training courses, conferences, symposia, and workshops in developing countries.

In order to stimulate the development of biotechnology-related education, innovation, and industry development

within developing countries, CoEBio will cooperate with TWAS Regional Offices to organize biotech-forums or symposia at least once a year in China and organize specialized technical workshops or training courses in two S&T-lagging developing countries.

(3) Coordinating biotechnology-related scientific research and development (R&D) projects for developing countries.

With the support from CAS and TWAS, CoEBio will assist researchers from developing countries to identify the needs for joint scientific effort in biotechnology, launch new joint R&D projects, and therefore promote multi-lateral cooperation in science, technology and innovation, not only just in the South, but with developed countries, too.

(4) Strategic intelligence analysis for biotechnology development in developing countries.

To help TWAS and other international agencies understand the status and plans of emerging markets in biotechnology development, a website for widely broadcasting the latest information on biotechnology development in the developing countries will be developed. Furthermore, annual reports for biotechnology development in developing countries and professional reports on selected areas of biotechnology will be published.

CoEBio will integrate the strength of relevant CAS-TWAS centres of excellence and other relevant scientific and educational organizations, and strive to grow into a globally recognized biotechnology centre aiding and assisting the biotechnology development in developing countries and promoting excellence at an international level.