

## Training Program of Natural Products and Drug Discovery

### 1. Background and Objectives

Scientists from 11 countries including China and the Pan-Balkan region have joined Pan - Balkan Alliance of Natural Products and Drug Discovery Associations (PANDA). We propose to conduct this training program mainly for young researchers from Pan-Balkan region, in order to introduce new technology and new method related to Natural product research and present them a series of drug R&D platforms, so as to enhance their scientific and normative research skills, and promote the development of natural products research in Pan-Balkan region.

### 2. Overview of the Plan

- Host: Shanghai Institute of Materia Medica, Chinese Academy of Sciences (SIMM), Balkan Alliance of Natural Products and Drug Discovery Associations (PANDA) and Institute for Biological Research “Siniša Stanković”, National Institute of Republic of Serbia, University of Belgrade (IBISS).
- Trainer: Experts in the field of new drug research and development, senior executives from pharmaceutical companies and experts in the technology transfer and talents training.
- Trainee: Scientists from Serbia, northern Macedonia, Montenegro, Bosnia and Herzegovina, Croatia, Slovenia, Albania, Greece, Bulgaria and Hungary.
- Duration: 3 days (date to be determined)
- Location: University of Belgrade, Serbia
- Courses:
  - (1) New methods and techniques for extraction, separation and structural identification of natural products;

- (2) Pre-clinical research system of new drugs (medicine chemistry, pharmacodynamics, safety evaluation, pharmacokinetics, pharmaceutical preparation, quality control, etc.);
- (3) Policies and regulations of technology transfer in China;
- (4) Introduction of President's International Fellowship Initiative (PIFI) of Chinese Academy of Sciences and its application process;
- (5) Chinese technology transfer cases in biomedicine field.

### 3. Expected Outcomes

- A platform will be built for extensive scientific exchanges and cooperation between CAS and research institutions, universities, enterprises and scientists in Pan-Balkan countries.
- New technologies and methods related to natural products to Pan-Balkan researchers will be introduced.
- The comprehensive and innovative drug research and development system should be introduced to promote the natural products research and drug R&D in the Balkan region.
- The training program will introduce China's policies and regulations on technology transfer and provide successful references for the transfer of scientific achievements in the Balkan region.
- The training program will introduce the PIFI program of Chinese Academy of Sciences, attract outstanding Balkan talents to pursue systematic studies in Chinese Academy of Sciences, and promote talents cultivation and exchange.
- The training program will enhance the influence of ANSO and PANDA.

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