

National Science Fund for Talent Training in Basic Science

In 2010, NSFC plans to fund 20 projects of condition building, 40 projects of ability enhancing and 1 project of talent fostering for special disciplines under the National Science Fund for Talent Training in Basic Science, with a total funding of 180 million yuan (including 1.10 million yuan for teacher-training and 200,000 yuan for the National Chemical Experiment Competition of University Students).

I. Projects to be funded and requirement

1. Project of supporting condition building for talent fostering

This project aims at fostering practical ability by constructing a platform for creative talents with special strength and characters, so as to promote coordinated development of knowledge, capability and quality, and provide strong support to high quality creative talents in China. This project gives preferential support to the bases in the western and northeastern regions.

Contents of the project: Practical teaching ideas and training goals, experimental teaching system and content, content of supporting condition building and teaching functions, and expected goals, etc.

Number of projects to be funded: 20 projects in 2010.

Funding: 2 million yuan per project for 4 years.

2. Ability enhancing project

Ability enhancing project consists of two parts, one is to improve the research training of undergraduate students in basic disciplines and research abilities of graduate students of special disciplines, and the other is to support the improvement of field work for geology and biology.

(1) Project of research training and research ability enhancing

This project aims at promoting the synergy of research and education, and strengthening the research training and overall quality of undergraduate students. Applicant units should make full use of existing research platforms such as national and provincial or ministerial labs, experimental education centers, etc., encourage teachers, especially frontline mainstay teachers to use research projects and university SRT projects to strengthen the

research training of undergraduate students in science disciplines and the research abilities of graduate students in special disciplines, so as to achieve the coordinated development of knowledge, ability and quality of the students.

Contents of the project: Plans, basic facts and main contents, and arrangement and expected targets of research training of undergraduate students, etc.

Project requirement: Applications made by colleges and departments, and supervisors as the PIs of sub projects.

Number of projects to be funded: 40 projects in 2010.

Funding: 3 million yuan per project for 4 years.

(2) Project of field experimental ability enhancement

This project is limited to geology and biology. It aims at improving the ability of students to do field experiment and solve problems. This project encourages sharing of resources among universities, joint training and compensation of each other's strength. The principal applicant units should have the capacity of hosting students from other universities to do field research.

Contents of the project: Natural advantages of the field experimental base, existing facilities, contents of practice and arrangement, capacity of hosting students doing experiments and plans, and expected outcome.

Number of projects to be funded: 4 projects (2 in geology and 2 in biology) in 2010.

Funding: 4 million yuan per project for 4 years.

3. Project of talent fostering for special disciplines

Special discipline refers to basic scientific disciplines that have long-term social benefits, and highly rely on NSFC's funding and the support from the government. This project focuses on supporting radioactive chemistry to build its capability, so as to expand their research achievements, stabilize, optimize and foster special and endangered research teams, and enhance their ability to serve the society. The funding is mainly used for research costs spent by the disciplinary leaders and the nurturing of new generations of talents.

Number of projects to be funded: 1 project in 2010.

Funding: 2 million yuan for 2 years.

4. Teacher training project

On the basis of the Tenth Five-Year Plan, this project continues to support the training of high standard teachers through seminars on basic courses and training classes. It is intended to strengthen the academic and teaching capabilities of backbone teachers. Teachers from the western parts and remote regions of China are encouraged to take part

in this type of projects in the hope of strengthening the radiating effects.

Project contents: Training, exchange activities and seminars for young backbone teachers on basic courses (or experimental classes) of mathematics, physics, chemistry, earth science and biology.

Project requirement: This project uses the contract system to appoint relevant universities responsible for the implementation and writing summary report of the project.

Number of projects to be funded: 11 projects in 2010.

Funding: 100,000 yuan per project per year.

II. Application code

- J0101 mathematics
- J0102 mechanics
- J0103 physics (including astronomy and general physical sciences)
- J0104 chemistry
- J0105 geology
- J0106 biology
- J0107 psychology
- J0108 basic traditional Chinese medicine
- J0109 special disciplines