



State Key Laboratory of Palaeobiology and Stratigraphy

Ground-breaking research at Nanjing

Cutting-edge research is being conducted in the fields of palaeobiology and stratigraphy at a well-established State Key Laboratory in Nanjing.

The State Key Laboratory of Palaeobiology and Stratigraphy (LPS) was established in 2001 under the auspices of the Ministry of Science and Technology of China (MSTC). It is an important research unit in the Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences (CAS), which was founded in 1951 with Li Siguang (J. S. Lee) as its founding director. LPS is also the only State Key Laboratory in China devoted to palaeontological and stratigraphic research. Since 2001, it has been consistently rated as an excellent laboratory among the 46 State Key Laboratories in the field of Earth science in China.

Current topics of active research at LPS include comprehensive stratigraphy, evolution of early life on Earth, evolutionary patterns of Palaeozoic marine biodiversity, development and evolution of terrestrial ecosystems, and the environmental background of major biological evolution events.

LPS members have made globally renowned research findings, especially in the areas of the early evolution of life and the Cambrian explosion, global boundary stratotype sections and points, and biological radiation, extinction and recovery

during major geological periods. Over the past 15 years, LPS staff have published more than 1,600 research papers, many of which were in highly influential journals such as *Science* or *Nature*. They have been awarded one first prize and two second prizes of the National Natural Science Awards and have seven of their achievements have been rated as Top-10 News Stories in Basic Research or Top-10 Scientific Breakthroughs in China.

LPS houses many modern facilities to support cutting-edge palaeontological and stratigraphic research, including a scanning electron microscope equipped with an energy-dispersive X-ray spectroscope, a non-destructive X-ray microscope, a confocal laser scanning microscope, a genetic

analyser, a MAT253 stable isotope ratio mass spectrometer, a DELTA V isotope ratio mass spectrometer, a TSQ Quantum GC gas chromatography-mass spectrometer, an ICP-MASS spectrometer, an ICP-OES spectrograph, and a laser ablation system, in addition to conventional palaeontology labs.

As one of the most influential research centres in palaeontology and stratigraphy in the world, LPS offers a platform for international academic exchange, research collaboration and cooperation in graduate education. Its visiting scientists and postdoctoral programmes are open to scientists worldwide. Anyone interested in collaborating with LPS or the institute is encouraged to contact us.

LPS: A galaxy of talented researchers

Currently, LPS has 45 staff members, including technicians and administrative assistants. Its 38 research scientists include CAS academicians, chief scientists of 973 National Basic Research Projects (supported by MSTC), recipients of the National Distinguished Young Scientist Award granted by the National Science Foundation of China (NSFC), a Thousand Talent Category B scholar, CAS Hundred Talent professors and two NSFC Exceptional Innovation Research Groups. Many of the scientists play active roles in professional organizations, both in China and abroad.



Contact

State Key Laboratory of Palaeobiology and Stratigraphy
Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences

E-mail: lps@nigpas.ac.cn
Tel: 86 25 83282140
Fax: 86 25 83357026