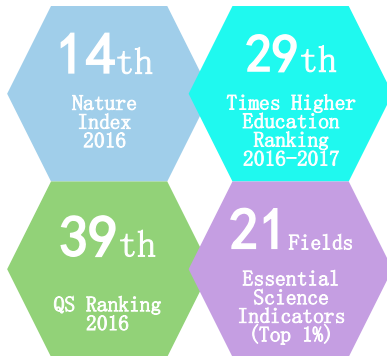


RESEARCH AT PEKING UNIVERSITY

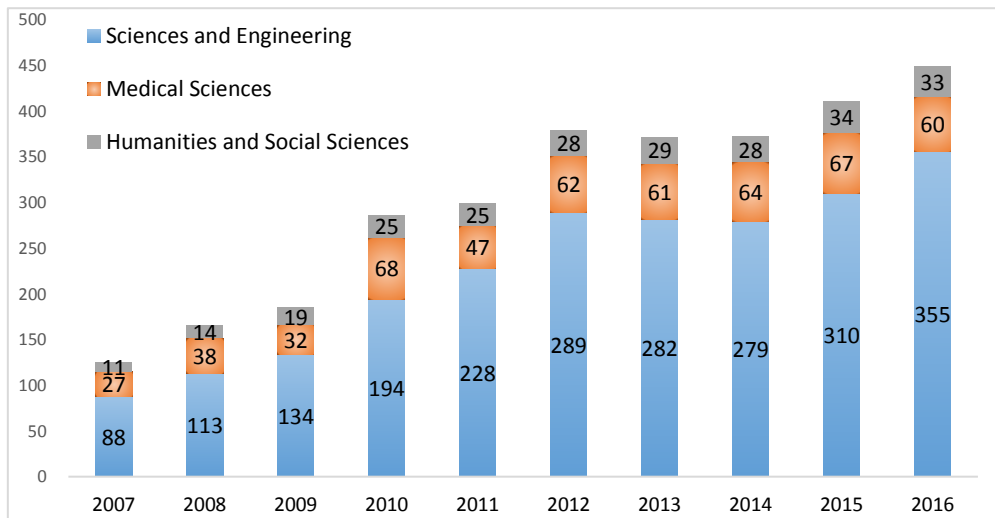


UNIVERSITY RANKINGS

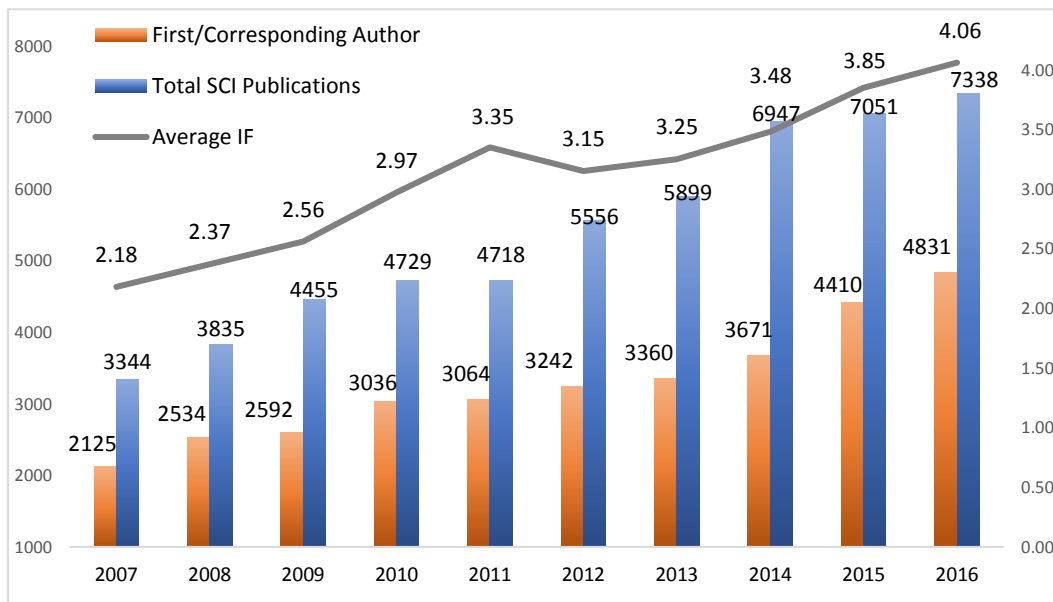


Faculty'	Professor	Associate Professor	Assis. Professor and Others
Sciences & Engineering	682	516	218
Medical Sciences	187	241	278
Humanities & Social Sciences	567	514	175

EXTERNAL COMPETITIVE RESEARCH FUNDING (Expressed in millions of dollars)



PUBLICATIONS



RESEARCH STRATEGY: FACILITIES DEVELOPMENT

National Major S&T Infrastructure

- ✧ *Multi-Mode Spanning-Scale Biomedical Imaging* (initial budget \$220 Million (2016-2020)).

National Major Research Instruments and Facilities

- ✧ *Compact Laser Plasma Accelerator* (\$9.6 Million, Fig. 1), Prof. YAN Xueqing
- ✧ *Development of Ultra-Low Temperature Instruments for Topological Quantum Computation* (\$4.3 Million), Prof. DU Ruirui
- ✧ *High Spatiotemporal Resolution Two-Photon Microscope and Its Miniaturization for in vivo Imaging* (\$10.4 Million, Fig.2), Prof. CHENG Heping
- ✧ *Femtosecond-Nanometer Space and Time Resolved Optical Experiment System* (\$10.2 Million), Prof. GONG Qihuang
- ✧ *Study on the Multi-Modality Molecular Imaging and Fitting Technology of Small Animals* (\$7.9 Million, Fig. 3), Prof. REN Qiushi.

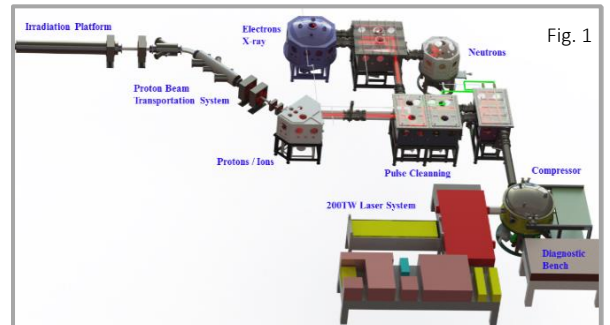


Fig. 1

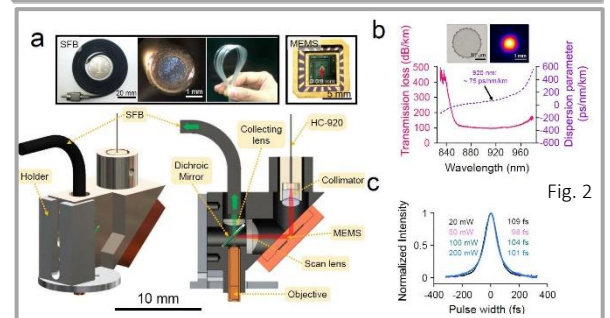


Fig. 2

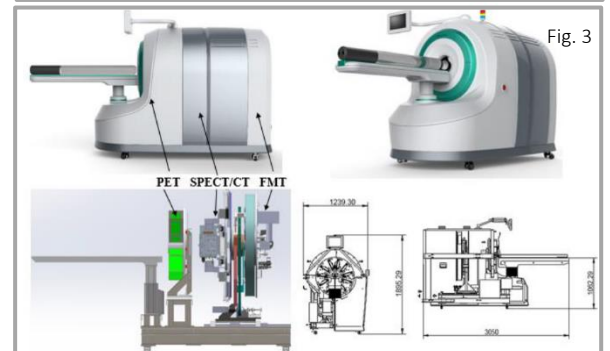


Fig. 3

FUNDING MECHANISM INNOVATION

Beijing Advanced Innovation Centers

(\$14.6 Million per year per center, established in 2015)

- ✧ *Engineering Science and Advanced Technology*
- ✧ *Genomics*

RESEARCH HIGHLIGHTS

- ✧ *Carbon Nanotube Transistors and Carbon based Integrated Circuits.* Prof. PENG LianMao.
- ✧ *Generation of Influenza A viruses as Live but Replication-Incompetent Virus Vaccines.* Prof. ZHOU Demin.
- ✧ *Covalently Bonded Single-Molecule Junctions with Stable and Reversible Photoswitched Conductivity.* Prof. GUO Xuefeng.
- ✧ *Nuclear Quantum Effects of Hydrogen Bonds Probed by Tip-Enhanced Inelastic Electron Tunneling.* Prof. WANG Enge.

