



**HPSTAR  
New building**

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## About HPSTAR

**HPSTAR** (Center for High Pressure Science & Technology Advanced Research) is a research institution of high-pressure sciences led by Dr. Ho-Kwang Mao. In September 2012, as one of the Innovative Teams supported by China's Top 1000 Talent Program, HPSTAR was first established in Shanghai, followed by two new laboratories in Changchun and Beijing. In 10 years, HPSTAR is projected to grow to 90 faculty members and 600 staff including graduate students, post-docs, visiting scientists, engineers and administrative personnel.

Research areas of HPSTAR include: high-pressure physics, high-pressure chemistry, super-hard materials, Earth & planetary interiors, high-pressure technology, high-pressure photon science, high-pressure nano science, high-pressure functional materials, and high-pressure energy science.

The mission of HPSTAR is to become a world-leading high-pressure research center, influencing multidisciplinary physical sciences. HPSTAR provides ample research funding, advanced facilities, and an open, liberal, collaborative research environment. Scientists of HPSTAR have total freedom to define their research goals, paths, teams, and collaborations in China and abroad. They are able to fully devote their time, efforts, and creativity to pursue their individual scientific dreams.



## 中心简介

北京高压科学研究中心筹建于2012年5月，于2014年5月正式成立，以高压科学研究为牵引的多学科基础研究机构。中心理念是邀揽顶尖人才，为精英的科研人才提供长期充分的经费支持与宽松的科研环境，使科学家能够充分利用国内外的大科学实验平台，专心致力于高压科学与技术的研究。目前，中心在北京、上海、长春及海外建有实验室，利用各地特殊优势自成特色，已建成系统高压实验研究能力。中心已引进终身研究员和研究员24名，中心人员组成还包括行政人员、访问学者、博士后、工程师及学生等100多名。中心研究领域涵盖多个学科，研究主题为高压条件下物质的基本性质与规律，具体可分为高压物理学、高压化学、超硬材料、行星与地球物理、高压纳米科学、高压功能材料、高压能源、高压技术、高压同步辐射源等九大研究方向。截至2015年底，中心已发表论文149篇。其中高影响因子论文28篇。

未来中心将力争用较短时间在若干核心领域取得重大突破，吸纳国内外相关领域的顶尖人才，发挥压力科技对物质科学的全面冲击，超越高压科技的世界顶峰，打造未来世界压缩科学的研究中心。

# 中心组织架构

## ORGANIZATION

