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简历介绍:

胡宝洋，博士、研究员。现任中国科学院干细胞与再生医学创新研究院（筹）执行院长，中国科学院大学医学院常务副院长，干细胞与生殖生物学国家重点实验室副主任。

2004年获复旦大学博士学位，2005年赴美国威斯康星大学（University of Wisconsin-Madison）从事博士后研究，2009年任助理科学家（Assistant Scientist），2011年1月加入中国科学院动物研究所。

主要从事干细胞与再生医学研究。重点关注脑发育与疾病、干细胞分化及临床应用等问题，围绕脑发育及调控的进化特性、神经系定向分化机理、分化细胞的临床应用等方面取得系列重要成果。带领团队首次发现人iPS神经分化的异质性及规律（PNAS, 2010）；首次获得SIRT6敲除猴并揭示其调控和进化特性（Nature, 2018）；率先推动人胚干细胞分化细胞治疗帕金森病等临床研究。

承担科技部、国家自然科学基金委、中国科学院、北京市等多项科研任务，在Nature、Science、Cell Stem Cell、PNAS、Cell Research等期刊发表高水平论文40余篇，获美国专利2项。担任多种国际学术期刊审阅人，多次应邀参加国际、国内学术交流。兼任国家重大研发计划干细胞与转化研究重点专项专家组副组长，中国细胞生物学学会常务理事、干细胞分会副会长等。

目前在读研究生和联合培养研究生18名。已出站博士后3名，毕业博士研究生7名，硕士研究生7名。

研究领域:

主要从事干细胞与再生医学领域研究，重点研究全能干细胞向神经系的分化机制、人类干细胞生物学的独特性以及干细胞医药学应用的系统化评估等科学问题。



1. 神经分化机制。用多能干细胞定向分化和细胞重编程为模型，研究神经分化中细胞外信号、转录程序、转录前后表观遗传学因素如何协同指导多能干细胞向某一特定类型细胞分化。借助小鼠等动物模型和遗传学手段在体内进一步验证。

2. 人类发育和细胞分化的独特性。以人多能干细胞神经定向分化系统为基础，综合利用多种手段发掘决定人类高级功能和独特性状的调控元件及调控机制。

3. 干细胞医学转化。以定向分化为基础，完善规模化细胞分化和体细胞直接转分化为特定细胞类型的方法。与相关领域合作，建立细胞产品应用于细胞替代和药物筛选的标准评估体系。

社会任职:

中国细胞生物学学会常务理事，中国细胞生物学学会干细胞生物学分会副会长，国际干细胞研究学会 (ISSCR) 会员，美国神经科学学会 (SfN) 会员。

获奖及荣誉:

- 干细胞研究创新奖 (2019)，中国细胞生物学学会干细胞生物学分会
- 干细胞成果转化奖 (2018)，中国细胞生物学学会干细胞生物学分会
- 第七届中国侨届杰出贡献奖一等奖 (2018)，中国侨联
- 中华医学科技奖一等奖 (2018) (证书号 201801069P1508) 8/15
- 中华医学科技奖三等奖 (2017) (证书号 201703185P0804) 4/8

承担科研项目情况:

国家重大科学研究计划项目，国家重点研发计划项目，国家自然科学基金项目，中国科学院重点部署项目，中国科学院战略性先导科技专项，等。

代表论著:

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5. W. Zhu, M. Li, Y. Wu, and **B. Hu***, Precise immune tolerance for hPSC derivatives in clinical application. *Cell Immunol*, 2018. 326: p. 15-23. DOI: 10.1016/j.cellimm.2017.08.005
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Notes: # These authors contributed equally; * Correspondence.

专利:



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2. Zhang SC, Hu BY, Du ZW. Method of Generating Myelinating Oligodendrocytes from Embryonic Stem Cells, US patent, 2012: US 8227247 B2.
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写给考生的话:

To be successful you must be at least four of the following: smart, motivated, creative, hard-working, skillful and lucky. You can't depend on luck, so you had better focus on the others!



中国科学院
CHINESE ACADEMY OF SCIENCES

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