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研究方向：1. 流感病毒的分子遗传进化，致病性和跨宿主传播的分子机制，抗原变异的分子机制及抗原变异预测以及流感疫苗研发。

2. 野生动物病毒性疫病病原的检测和溯源研究，探讨病原在野生宿主和自然环境中的分布，建立疾病发生和扩散模型；揭示病原的流行特征、抗原变异、致病性及跨宿主传播的分子特征，评估病原对野生动物、家畜以及人类的威胁，开展相关疫苗和抗病毒药物研发。

3. 非洲猪瘟、新城疫、小反刍兽疫等外来动物疫病快速诊断和疫苗开发等防控技术研究。

个人简历：

南京农业大学高层次引进人才，教授，博导。2008年毕业于南京农业大学获博士学位，2008年12月至2011年7月加拿大渥太华大学(University of Ottawa)博士后，2011年7月至2014年7月美国威斯康星大学麦迪逊分校(University of Wisconsin-Madison)博士后，2014年8月2016年8月美国威斯康星大学麦迪逊分校助理科学家(Assistant Scientist)。2016年8月至今南京农业大学动物医学院教授。长期致力于流感病毒的遗传进化、致病性、跨宿主传播及相关分子机制、病毒抗原变异的分子基础及抗原变异预测、高产高效流感疫苗等方向研究并取得了一系列的创新性研究成果，在 Nature Communications, PNAS, Nature Microbiology, Journal of Virology, Journal of general virology 等杂志发表 SCI 文章 15 篇，申请国际专利 5 项。先后参与科研项目 7 项，包括加拿大 CIHR 项目 2 项、美国 CRIP、盖茨基金项目、WARF 项目和 ASPR 项目 4 项以及“十三五”国家重点研发计划重点专项 1 项。

科研项目：

1. 南京农业大学高层次引进人才启动经费
2. 参与“十三五”国家重点研发计划重点专项“动物流感病毒遗传变异机理研究” 2016YFD0500206

荣誉及奖项:

发明专利:

1. Mutations in the influenza A virus NS1 gene and use thereof. Inventors: E. G Brown, Nicole Forbes and **Jihui Ping**. US and Canadian Patents filed. July 10, 2010. NO.20110070254

2. High titer recombinant influenza viruses with enhanced replication in MDCK or Vero cells or Eggs. Inventors: Yoshihiro Kawaoka, Gabriele Neumann and Jihui Ping. US patent NO: P130287US02. Europe patent NO: P130287EU01, Japan patent NO: P130287JP01, Australia patent NO: P130287AU01.

3. Improved influenza B viruses replication for vaccine development. Inventors: Yoshihiro Kawaoka, Gabriele Neumann and **Jihui Ping**. (In progress, Ref No: P150360WO01).

4. Improved influenza vaccines. Inventors: Yoshihiro Kawaoka, Derel Smith, Chengjun Li, Gabriele Neumann, **Jihui Ping**, Eileen Maher, Shufang Fan, David Burke, Ronaldus Fouchier, Ana Mosterin Hopping, Sarah L. James, Bjorn F. Koel, Samuel H. Wilks, Judith M. Fonville, Ramona Mogling (In processing).

5. Improved influenza virus replication by inhibiting microRNA Let-7C binding to influenza vRNA and mRNA. Inventors: Yoshihiro Kawaoka, Gabriele Neumann and **Jihui Ping**. (In progress, Ref No: P150345US02).

代表性论著:

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2. Chengjun Li*, Masato Hatta*, David F. Burke*, **Jihui Ping***, Ying Zhang*, Makoto Ozawa, Andrew S. Taft, Subash C. Das, Anthony P. Hanson, Jiasheng Song, Masaki Imai, Peter R. Wilker, Tokiko Watanabe, Shinji Watanabe, Mutsumi Ito, Kiyoko Iwatsuki-Horimoto, Colin A. Russell, Sarah L. James, Eugene Skepner, Eileen A. Maher, Gabriele Neumann, Alexander I. Klimov, Anne Kelso, John McCauley, Dayan Wang, Yuelong Shu, Masato Tashiro, Nancy J. Cox, Derek J. Smith, and

Yoshihiro Kawaoka. Selection of antigenic variants representing a new cluster of pandemic (H1N1) 2009 influenza viruses. *Nature Microbiology*, doi: 10.1038/nmicrobiol.2016.58 (Co-first author)

3. **Jihui Ping**, Tiago J. S. Lopes, Chairul A. Nidom, Elodie Ghedin, Catherine A. Macken, Adam Fitch, Masaki Imai, Eileen A. Maher, Gabriele Neumann, Yoshihiro Kawaoka. Development of high-yield influenza A virus vaccine viruses. *Nature Communications*. 6:8148 doi: 10.1038/ncomms9148 (2015).
4. Yuanlong Hou, Xiaoyan Wang, Zhihai Lei, **Jihui Ping**, jiajian Liu, Zhiyu Ma, Zheng Zhang, Cuicui Jia, Mengmeng Jin, Xiang Li, Xiaoliang Li, Shaoqiu Chen, Yingfang Lv, Yingdong Gao, Wei Jia, and Juan Su. Heat-Stress-Induced Metabolic Changes and Altered Male Reproductive Function. *J Proteome Res*. 2015 Mar 6;14(3):1495-503. doi: 10.1021/pr501312t.
5. Dankar SK, Miranda E, Forbes NE, Pelchat M, Tavassoli A, Selman M, **Jihui Ping**, Jia J, Brown EG. Influenza A/Hong Kong/156/1997(H5N1) virus NS1 gene mutations F103L and M106I both increase IFN antagonism, virulence and cytoplasmic localization but differ in binding to RIG-I and CPSF30. *Virology*. 2013 Jul 25;50(2):243-253. doi: 10.1016/j.virus.2013.05.010.
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progenitor of highly pathogenic A/Turkey/Ontario/7732/1966(H5N9). *Journal of General virology*; 2012 Aug; 93 (Pt 8): 1649-57

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