

人才队伍

- > 研究员
(../..../rcjy/zjgwry/)
- > 副研究员
(../..../rcjy/fjgwry/)
- > 兼职研究员
(../..../rcjy/jzyjy/)
- > 客座研究员
(../..../rcjy/kzyjy/)

● 首页 (<http://www.gibh.cas.cn>) >> 中文 (../../) >> 专家人才 (../)

专家人才

姓名: 戴祯
性别: 男
职称: 研究员
学历: 博士
电话:
传真:
电子邮件: dai_zhen@gibh.ac.cn
通讯地址 广州市黄埔区开源大道190号



简历:

2007-2011 吉林大学 生物技术 学士
2011-2014 吉林大学 生物化学与分子生物学 硕士
2014-2018 德国汉诺威医学院 分子医学 博士
2018-2020 德国汉诺威医学院 博士后
2021至今 中国科学院广州生物医药与健康研究院 研究员

研究领域:

肝脏再生与修复;
肝脏纤维化的分子调控机理研究;
人源化肝脏大动物模型的建立;
肝脏类器官的培养;
体外、体内转分化技术制备肝样细胞;

代表论著:

1. **Zhen Dai**, Guangqi Song, Asha Balakrishnan, Taihua Yang, Qinggong Yuan, Selina M? bus, Anna-Carina Weiss, Martin Bentler, Jimin Zhu, Xuemei Jiang, Xizhong Shen, Heike Bantel, Elmar Jaeckel, Andreas Kispert, Arndt Vogel, Anna Saborowski, Hildegard Büning, Michael P. Manns, Tobias Cantz, Michael Ott[#], Amar Deep Sharma[#]. Growth differentiation factor 11 attenuates liver fibrosis via expansion of liver progenitor cells. *Gut*, 2020 Jun; 69(6):1104-1115. (编辑推荐, 当期杂志配发评论)
2. **Zhen Dai**, Michael Ott, Amar Deep Sharma. Equal opportunity offer for all hepatocytes. *Journal of hepatology*, 2020 Jul;73(1):6-8.
3. Dakai Yang*, **Zhen Dai*** (co-first author), Taihua Yang, Asha Balakrishnan, Qinggong Yuan, Florian W.R. Vondran, Heiner Wedemeyer, Michael Ott, Tobias Cantz, Amar Deep Sharma. MicroRNA-125b-5p regulates hepatocyte proliferation during the termination phase of liver regeneration. *Hepatology communications*, 2020 Sep 15;4(12):1851-1863.
4. Simon Krooss*, **Zhen Dai*** (co-first author), Florian Schmidt, Alice Rovai, Julia Fakhiri, Akshay Dhingra, Qinggong Yuan, Taihua Yang, Asha Balakrishnan, Lars Steinbrück, Sangar Srivaratharajan, Michael Peter Manns, Axel Schambach, Dirk Grimm, Jens Bohne, Amar Deep Sharma[#], Hildegard Büning[#], Michael Ott[#]. Ex/in vivo gene editing in hepatocytes using “all-in-one” CRISPR-AAV vectors with a self-linearizing repair template. *iScience*, 2020 Jan 24;23(1):100764. (F1000 推荐)
5. **Zhen Dai***, Rong Wu*, Yicheng Zhao, Kankan Wang, Yongye Huang, Xin Yang, Zicong Xie, Changchun Tu, Hongsheng Ouyang, Tiedong Wang[#], Daxin Pang[#]. Early lethality of shRNA-transgenic pigs due to saturation of microRNA pathways. *JZUS-B*, 2014 May; 15(5):466-73.
6. Yicheng Zhao*, **Zhen Dai*** (co-first author), Yang Liang, Ming Yin, Kuiying Ma, Mei He, Hongsheng Ouyang[#], Chun-Bo Teng[#]. Sequence-specific inhibition of microRNA via a CRISPR/CRISPRi system. *Sci.Rep*, 2014 Feb 3;4:3943.
7. Li Yao*, Heming Wang*, Yuanyuan Song*, **Zhen Dai**, Hao Yu, Ming Yin, Dongxu Wang, Xin Yang, Jinlin Wang, Tiedong Wang, Nan Cao, Jimin Zhu, Xizhong Shen, Guangqi Song[#], Yicheng Zhao[#]. Large-scale prediction of ADAR-mediated effective human A-to-I RNA editing. *Brief Bioinform*, 2019 Jan 18;20(1):102-109.
8. Guangqi Song, Qinggong Yuan, **Zhen Dai**, Xizhong Shen, Michael Ott, Amar Deep Sharma. Conversion of fibroblasts to hepatocyte-like cells in vivo. *Methods in Molecular Biology*, 2019;1905:103-115.
9. Zicong Xie*, Daxin Pang*, Hongming Yuan, Huping Jiao, Chao Lu, Kankan Wang, Qiangbing Yang, Mengjing Li, Xue Chen, Tingting Yu, Xinrong Chen, **Zhen Dai**, Yani Peng, Xiaochun Tang, Zhanjun Li, Tiedong Wang, Huancheng Guo, Li Li, Changchun Tu, Liangxue Lai, Hongsheng Ouyang. Genetically modified pigs are protected from classical swine fever virus. *Plos Pathology*, 2018 Dec 13;14(12):e1007193.

10. Malte Sgodda, **Zhen Dai**, Robert Zweigerdt, Amar Deep Sharma, Michael Ott, Tobias Cantz. A Scalable Approach for the Generation of Human Pluripotent Stem Cell-Derived Hepatic Organoids with Sensitive Hepatotoxicity Features. *Stem Cells Dev*, 2017 Oct 15;26(20):1490-1504.
11. Guangqi Song*, Martin Pacher*, Asha Balakrishnan, Qinggong Yuan, Hsin-Chieh Tsay, Dakai Yang, Julia Reetz, Sabine Brandes, **Zhen Dai**, Brigitte M. Putzer, Marcos J. Arauzo-Bravo, Doris Steinemann, Tom Luedde, Robert F. Schwabe, Michael P. Manns, Hans R. Scholer, Axel Schambach, Tobias Cantz, Michael Ott[#], Amar Deep Sharma[#]. Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. *Cell Stem Cell*, 2016 Jun 2;18(6):797-808. (F1000 推荐)
12. Dekun Wang, Qingwen Meng, Lihong Huo, Meng Yang, Lingling Wang, Xinyu Chen, Jianchao Wang, Zhiguo Li, Xiaoying Ye, Na Liu, Qiuyan Li, **Zhen Dai**, Hongsheng Ouyang, Ning Li, Jun Zhou[#], Lingyi Chen[#], Lin Liu[#]. Overexpression of Hdac6 enhances resistance to virus infection in embryonic stem cells and in mice. *Protein Cell*, 2015 Feb;6(2):152-6.

政府部门 ▾

事业单位等 ▾

科研机构 ▾

院内网站 ▾



中国科学院广州生物医药与健康研究院 版权所有：京ICP备05002857号
地址：广州市萝岗区开源大道190号 邮编：510530 电话：86-020-32015300