

**黄亚非**，男，免疫学博士，博士生导师，“湖北省百人计划”特聘专家、华中学者特聘教授、光谷 3551 人才计划长期创新人才。于 2007-2015 年间先后在美国犹太人医学中心从事博士后研究和担任 **Research Associate** 一职，2015 年任湖北省干细胞工程技术研究中心副主任以及湖北省生命源干细胞有限公司首席技术官和常务副总经理，2018 年入职同济医学院基础医学院病原生物学系。长期从事细胞免疫、肿瘤免疫和感染免疫相关的科研工作，近年来致力于建立以 $\gamma\delta$  T 细胞和肿瘤新生抗原为基础的个性化肿瘤免疫治疗平台，并拟将此应用于恶性实体肿瘤的治疗；此外，还聚焦于宫颈癌的肿瘤免疫微环境研究。以第一作者或通讯作者发表论文 20 余篇，包括《*Proceedings of the National Academy of Sciences*》、《*Hypertension*》、《*Cancer Letters*》、《*Frontiers in Immunology*》、《*Advances in Immunology*》、《*Journal of Immunology*》、《*Journal of Translational Medicine*》和《*American Journal of Transplantation*》等期刊，他引 1000 余次，其中一篇入选 ESI 高被引论文，并为斯普林格出版的图书《*Methods in Molecular Biology*》撰写有关章节。作为负责人和主要研究人员参与了 973 重大项目、国家重点研发项目、浙江省重点研发项目、国家自然科学基金面上项目、湖北省自然科学基金、武汉市晨光计划、NIHR01 及 R21 等多项研究项目。研究成果曾获《*Hypertension*》杂志年度最佳论文奖和湖北省自然科学优秀学术论文一等奖，多次在国际会议上做口头报告和大会发言。长期为《*第三军医大学学报*》、《*华中科技大学大学学报（医学版）*》、《*Frontiers in Immunology*》、《*Frontiers in Medicine*》、《*Frontiers in Oncology*》、《*Journal of Medical Virology*》、《*Scientific Reports*》、《*Cancer Immunology Immunotherapy*》和《*Scandinavian Journal of Immunology*》等国内外期刊审稿。

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### 近年研究课题及基金

| 序号 | 项目来源              | 类型<br>(科研/<br>教改) | 项目名称   | 项目批准号      | 项目主要参加人员<br>(注明主持人)  | 立项<br>年月 | 经费总数    |
|----|-------------------|-------------------|--|------------|----------------------|----------|---------|
| 1  | 国家自然基金面上项目        | 科研                | Vγ1/Vγ4 细胞通过细胞因子网络调控自身免疫性角膜炎发病的机制研究                                    | 81670825   | 黄亚非(主持人)、<br>韩军艳     | 2017     | 58      |
| 2  | 国家自然基金面上项目        | 科研                | 肺 γδT 细胞通过 IL-17/IL-33 轴在新生儿 RSV 感染所致哮喘发生以及成年期 RSV 感染所致哮喘急性发作中的作用及机制研究 | 31970865   | 韩军艳(主持人)、<br>黄亚非(第二) | 2020     | 59      |
| 3  | 湖北省自然基金面上项目       | 科研                | 宫颈癌细胞通过 HPV E6-IL-6/STAT3 轴调控肿瘤浸润 γδT 细胞亚群及其功能的机制研究                    | 2021CFB346 | 黄亚非(主持人)             | 2022     | 8       |
| 4  | 浙江省“尖兵”“领雁”研发攻关计划 | 科研                | 靶向肿瘤特异性抗原的 γδT/APC-TIL 细胞治疗复发晚期宫颈癌的应用研究                                | 2022C03013 | 汪辉(主持人)、<br>黄亚非(第二)  | 2022     | 320/100 |

|   |              |    |   |                |                                 |      |         |
|---|--------------|----|---|----------------|---------------------------------|------|---------|
| 5 | 国家重点研发项目     | 科研 | 宫颈病变的精准筛查和防治研究  | 2021YFC2701200 | 汪辉（主持人）、吴鹏、 <b>黄亚非（第八，团队骨干）</b> | 2022 | 2720/60 |
| 6 | 横向课题         | 科研 | 基于免疫组库与机器学习算法的SARS-CoV-2特异性生物标志物的开发                         | 无              | <b>黄亚非（主持人）</b>                 | 2022 | 60      |
| 7 | 国家自然科学基金面上项目 | 科研 | 宫颈癌来源的IL-33通过调控 $\gamma\delta T17/Th17$ 细胞促进抗肿瘤免疫应答的作用及机制研究 | 82273211       | <b>黄亚非（主持人）</b>                 | 2023 | 52      |

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- Fang J, Lei J, He B, Wu Y, Chen P, Sun Z, Wu N, **Huang Y**, Wei P, Yin L\*, Chen Y\*. Decoding the transcriptional heterogeneity, differentiation lineage, clinical significance in tissue-resident memory CD8 T cell of the small intestine by single-cell analysis. *J Transl Med*. 2024 Feb 25;22(1):203. doi: 10.1186/s12967-024-04978-2. （共同作者）
- Mei X, Xiong J, Liu J, Huang A, Zhu D\*, **Huang Y\***, Wang H\*. DHCR7 promotes lymph node metastasis in cervical cancer through cholesterol reprogramming-mediated activation of the KANK4/PI3K/AKT axis and VEGF-C secretion. *Cancer Lett*. 2024 Mar 1;584:216609. doi: 10.1016/j.canlet.2024.216609. Epub 2024 Jan 9. （共同通讯作者）
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### 编撰书籍:

1. 黄亚非 “第三章：补体系统” 《医学免疫学》 第二版（研究生教材，龚非力主编）科学出版社
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3. Rebecca L. O'Brien, Philip L. Simonian, **Yafei Huang**, Christina L. Roark, Niyun Jin, M. Kemal Aydintug, Jennifer L. Chain, Andrew P. Fontenot, and Willi K. Born. “Chapter 28: IL-17-producing T cells in Autoimmune disease” in **TH17 Cells in Health and Disease**. Springer: New York. 2011. 513-24
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