

# Curriculum Vitae: Zhencong Chen, MD

## Post-doctoral

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H-index:18

## Education and Work Background

2021/07 -----present, post-doctoral

Department of Thoracic Surgery, Zhongshan Hospital, Fudan University

2019/09 -----2021/06, Degree: M.D

Department of Thoracic Surgery, Zhongshan Hospital, Fudan University

Major: Surgery                      Supervisor: Prof. Qun Wang

2013/9-----2019/06, Degree: B.S.Med.

Shanghai Medical College, Fudan University

Major: Clinical Medicine

## Academic Positions

- **Associate Editor** of *Burns & Trauma* (IF:5.71) (2021/11- present)
- **Associate Editor** of *European Journal of Medical Research* (IF: 4.981) (2022/10-present)
- **Associate Editor** of *Chinese Journal of Cancer Research* (IF:4.06) (2023/03-present)
- **Associate Editor** of *BMC Pulmonary Medicine* (IF:3.32) (2020/07- present)

Chinese Journal of Cancer Research

- **Reviewer of** *Annals of Translational Medicine*、*Burns & Trauma*、*BMC Pulmonary Medicine*、*Peer J*、*Journal of Immunology Research*、*Disease Marker*、*etc.*

## Major Achievements

### Foundation

- Presided a **Natural Science Foundation of Shanghai**, Study on the mechanism of SPP1/METTL3/STING axis regulating tumor -related macrophage -related macrophages to promote the progress of lung adenocarcinoma, 2022.04 – 2025.04.
- Presided a **Research Foundation of Fellowship of China Postdoctoral Science Foundation**, Study on the mechanism of SPP1/METTL3/STING axis regulating tumor -related macrophage -related macrophages to promote the progress of lung adenocarcinoma, 2022.06 – 2025.06.

### Patents

- **Zhencong Chen**, et al. Application of gene marker in distinguishing lung adenocarcinoma stem tumor cells from other tumor cells. (Under Review)
- JiaQi Liang, **Zhencong Chen**, et al. Application of gene marker in distinguishing lung adenocarcinoma tumor cells. 2021/10. China

### Major Publications (First or Co-first author)

- [1] Landscape and dynamics of single tumor and immune cells in early and advanced-stage lung adenocarcinoma. *Clin Transl Med*. 2021 Mar;11(3): e350.
- [2] Dissecting the single-cell transcriptome network underlying esophagus non-malignant tissues and esophageal squamous cell carcinoma[J]. *EBioMedicine*. 2021 Jul;69:103459.
- [3] LncRNA FAM83A-AS1 facilitates tumor proliferation and the migration via the HIF-1 $\alpha$ / glycolysis axis in lung adenocarcinoma. *Int J Biol Sci*. 2022 Jan

1;18(2):522-535.

- [4] Dissecting the single-cell transcriptome network in patients with esophageal squamous cell carcinoma receiving operative paclitaxel plus platinum chemotherapy. *Oncogenesis*. 2021 Oct 26;10(10):71.
- [5] HIF-1 $\alpha$  switches the functionality of TGF- $\beta$  signaling via changing the partners of smads to drive glucose metabolic reprogramming in non-small cell lung cancer. *J Exp Clin Cancer Res*. 2021 Dec 20;40(1):398.
- [6] Cisplatin resistance-related multi-omics differences and the establishment of machine learning models. *J Transl Med*. 2022 Apr 11;20(1):171.
- [7] Identification and validation of tumor environment phenotypes in lung adenocarcinoma by integrative genome-scale analysis. *Cancer Immunol Immunother*. 2020 Jul;69(7):1293-1305.
- [8] Ligand-receptor interaction atlas within and between tumor cells and T cells in lung adenocarcinoma. *Int J Biol Sci*. 2020 May 18;16(12):2205-2219.
- [9] Identification of differentially expressed genes in lung adenocarcinoma cells using single-cell RNA sequencing not detected using traditional RNA sequencing and microarray. *Lab Invest*. 2020 Oct;100(10):1318-1329.
- [10] Individualized surgical treatment for patients with tumours of the cervicothoracic junction. *Interact Cardiovasc Thorac Surg*. 2022 Jun 1;34(6):1024-1030.