

## RESUME

### PERSONAL INFORMATION

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### EDUCATION

2024.09-till now Postdoctoral Researcher/Affiliate of Research Karolinska Institute, Sweden/  
The First Hospital of Jilin University, China  
2019.11-2024.09 PhD in Medical Science Karolinska Institute, Sweden  
2016.09-2019.07 Master's Degree in Neurology Jilin University, China  
2011.09-2016.07 Bachelor's Degree in Medicine Jilin University, China

### PUBLICATIONS

1. **Zheng C**, Liu L, Liu C, Chu F, Lang Y, Liu S et al. Alleviation of experimental autoimmune encephalomyelitis by transferring low RelB expression tolerogenic dendritic cells. *BBA - Molecular Basis of Disease*. 2023.10
2. **Zheng C**, Wang J, Jian T, Lu J, Wang C, He L. Comparison of intraureteral stent and conventional stent at different stages: a systematic review with meta-analysis. *Minerva Urol Nephrol*. 2023 Jun 23.
3. **Zheng C**, Chen J, Chu F, Zhu J, Jin T. Inflammatory Role of TLR-MyD88 Signaling in Multiple Sclerosis. *Front Mol Neurosci*. 2020;12:314-314.
4. **Zheng C**, He L, Liu L, Zhu J, Jin T. The efficacy of vitamin D in multiple sclerosis: A meta-analysis. *Mult Scler Relat Disord*. 2018;23:56-61.
5. **Yan X\***, **Zheng C\***, Wang J, Li D, Lu J, He L et al. Transcatheter arterial embolization of malignant pelvic solitary fibrous tumor: case report and literature review. *Transl Cancer Res*. 2021 Nov;10(11):4979-4987.
6. **Cao Q\***, **Zheng C\***, Xie Z, Liu L, Zhu J, Jin T. The change of PD1, PDL1 in experimental autoimmune encephalomyelitis treated by 1,25(OH)2D3. *J Neuroimmunol*. 2019;338:577079.
7. **He L\***, **Li S\***, **Zheng C\***, Wang C. Rare symptomatic bladder leiomyoma: case report and literature review. *J Int Med Res*. 2018;46(4):1678-84.
8. Langseth C, Kukanja P, Kirby L, Agirre E, **Zheng C**, Raman A et al. Spatial and cellular dynamics of multiple sclerosis disease evolution and neuropathology in mouse and human. *Cell*. 2024

9. Mi Y, Dong J, Liu C, Zhang Q, **Zheng C**, Wu H et al. Amelioration of experimental autoimmune encephalomyelitis by exogenous soluble PD-L1 is associated with restraining dendritic cell maturation and CCR7-mediated migration. *Int Immunopharmacol*. 2024 Dec 25;143(Pt 2):113398
10. Meijer M, Agirre E, Kabbe M, van Tuijn CA, Heskol A, **Zheng C** et al. Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility. *Neuron*. 2022 Apr 6;110(7):1193-1210.e13
11. Liu M, **Zheng C**, Wang J, Wang JX, He L. Solitary fibrous tumor of the renal pelvis: A case report. *World J Clin Cases*. 2022 Sep 26;10(27):9798-9804
12. Li H, **Zheng C**, Han J, Zhu J, Liu S, Jin T. PD-1/PD-L1 Axis as a Potential Therapeutic Target for Multiple Sclerosis: A T Cell Perspective. *Frontiers in cellular neuroscience*. 2021;15:716747.
13. Lang Y, Chu F, Liu L, **Zheng C**, Li C, Shen D et al. Potential role of BAY11-7082, a NF- $\kappa$ B blocker inhibiting experimental autoimmune encephalomyelitis in C57BL/6J mice via declining NLRP3 inflammasomes. *Clin Exp Immunol*. 2021. doi: 10.1093/cei/uxab022
14. Shen D, Chu F, Lang Y, **Zheng C**, Li C, Liu K et al. NF- $\kappa$ B inhibitor suppresses experimental autoimmune neuritis in mice via declining macrophages polarization to M1 type. *Clin Exp Immunol*. 2021
15. Zhao X, Jin T, **Zheng C**, Ma D, Zhang Y. Imbalance of Circulating Tfh/Tfr Cells in Patients With Parkinson's Disease. *Front Neurol*. 2020;11:572205
16. Zhu S, He L, **Zheng C**, Hou Y. Bladder mulberry-like fibroepithelial polyp with calcification and squamous cell metaplasia mimicking bladder carcinoma: case report and literature review. *J Int Med Res*. 2020;48:300060519896911-300060519896911.
17. Yang M, Sun L, Han J, **Zheng C**, Liang H, Zhu J et al. Biological characteristics of transcription factor RelB in different immune cell types: implications for the treatment of multiple sclerosis. *Mol Brain*. 2019;12(1):115
18. Song Y, Zhu M, Liu C, **Zheng C**, Zhou Y, Zhu J et al. Interleukin-36 alpha levels are elevated in the serum and cerebrospinal fluid of patients with neuromyelitis optica spectrum disorder and correlate with disease activity. *Immunobiology*. 2019
19. Chu F, Shi M, **Zheng C**, Shen D, Zhu J, Zheng X et al. The roles of macrophages and microglia in multiple sclerosis and experimental autoimmune encephalomyelitis. *J Neuroimmunol* . 2018;318:1-7
20. Lang Y, Chu F, Shen D, Zhang W, **Zheng C**, Zhu J et al. Role of Inflammasomes in Neuroimmune and Neurodegenerative Diseases: A Systematic Review. *Mediators Inflamm*. 2018: 1549549
21. Xie Z, Chen J, **Zheng C**, Wu J, Cheng Y, Zhu S et al. 1,25-dihydroxyvitamin D3 -induced dendritic cells suppress experimental autoimmune encephalomyelitis by increasing proportions of the regulatory lymphocytes and reducing T helper type 1 and type 17 cells. *Immunology*. 2017;152(3):414-24

#### 【Conference】

1. **Zheng C**. Transcriptomic/epigenomic states of oligodendrocytes in a mouse model of multiple sclerosis. PRE DOC SYMPOSIUM, Bilbao, Spain. 2023
2. **Zheng C**, Hervé B, Kirby L, Meijer M, Castelo-Branco G. Single-cell multiomics characterization of oligodendroglia dynamics in experimental autoimmune encephalomyelitis. European Glial Meeting. 2023
3. **Zheng C**, Hervé B, Kirby L, Meijer M, Castelo-Branco G. Dynamics of transcriptomic and epigenomic states of oligodendrocytes in experimental autoimmune encephalomyelitis. Epigenetics in the Nervous System conference. 2022
4. **Zheng C**, Hervé B, Kirby L, Meijer M, Castelo-Branco G. Transcriptomic and epigenomic states of oligodendrocytes with immunological properties in experimental autoimmune encephalomyelitis. Gordon Research Conference-Myelin. 2022

5. **Zheng C**, Hervé B, Kirby L, Castelo-Branco G. Single-cell transcriptomics of oligodendrocyte and microglia lineages at different stages in experimental autoimmune encephalomyelitis. 15th International Congress of Neuroimmunology.. 2021
6. Cao Q<sup>#</sup>, **Zheng C<sup>#</sup>**, Zhu J, Jin T. The therapeutic effect of PD1, PDL1 in experimental autoimmune encephalomyelitis by tolerance dendritic cell. 14th International Congress of Neuroimmunology. 2018
7. Song Y, Zhu M, Liu C, **Zheng C**, Zhu J, Jin T. Interleukin-36alpha is elevated in the serum and cerebrospinal fluid of patients with neuromyelitis optica spectrum disorder and correlates with disease activity. 14th International Congress of Neuroimmunology. 2018