

# Li Tao, MSc

---



---

University Hospital Bonn / DZNE

## Position

PhD Student

E-Mail: [litaomedical@gmail.com](mailto:litaomedical@gmail.com)

## Research Expertise

In the clinical work, as a spinal surgeon in China, I am focused on the treatment for the injury of central nervous system and degeneration of spinal nerves. In the field of experimental study, I use to concentrate on the construction of a novel inducing system with multi-layered alginate microcapsules to regulate differentiation of neural precursor cells from bone mesenchymal stem cells in my graduated level. I also participated in the research of Epigenetics of Alzheimer's disease based on the Transgenic Cellular Model. Now I am studying for the doctoral degree in DZNE. My laboratory research aims at understanding molecular mechanisms of inflammatory regulation in a variety of neurodegenerative disease.

## Education / Training

Chengdu second hospital, China, Standardized resident training, 2015-2018

Dalian Medicine University, China, Medicine, Master Degree, 2012-2015

North Sichuan hospital, internship, 2011-2012  
North Sichuan Medical College, China, Clinical Medicine, Bachelor Degree, 2008-2011

## Appointments / Positions Held

2018-2020

The People's Hospital of Qingbaijing District,  
Chengdu, Sichuan, China  
Spinal department  
Attending physician

2011-2012

The People's Hospital of Bazhong, Sichuan, China  
Spinal department  
Resident physician

## Honors / Awards

2006-2007

Chinese National Encouragement scholarship

2008-2009

Chinese National Encouragement scholarship

2014-2015

Outstanding graduate student, Dalian Medicine University

## Most Relevant Publications

1. **Tao L**, Zhengwei L, Feng N, Jianli D, Yushuang D, Qing Y, Teng Z. Construction of a novel inducing system with multi-layered alginate microcapsules to regulate differentiation of neural precursor cells from bone mesenchymal stem cells. *Med Hypotheses* 2015;85:910-913
2. Yushuang D, Xi L, Li W, **Tao L**, Yubin D, Huimin C, Yuping Z, Xiuming G, Gang Y. Curcumin inhibits the AKT/NF- $\kappa$ B signaling via CpG demethylation of the promoter and restoration of NEP in the N2a cell line. *AAPS J* 2014; 16:649-657.
3. Teng Z, Zhengwei L, Jian D, Feng N, **Tao L**, Qing Y. Edaravone promotes functional recovery after mechanical peripheral nerve injury. *Neural Regen Res* 2014; 9:1709-1715.