

## Kaihua Chen (Chole Chen)

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### EDUCATION

#### Beijing Normal University

*Master of Science in Medicinal Chemistry and Molecular Engineering*

- Mentor: Dr. Boli Liu and Dr. Mengchao Cui

Beijing, China

Sep.2015-Jun.2018

#### Nanjing Normal University

*Bachelor of Science in Chemistry and Materials Science*

- Mentor: Dr. Yawen Tang and Dr. Hui Zhang

Nanjing, China

Sep.2011-Jun.2015

GPA: 3.38

### RESEARCH EXPERIENCE

- **M.S.** Synthesis and evaluation of  $^{18}\text{F}$ -labeled diphenoxy derivatives as Position Emission Tomography (PET) imaging probes for  $\beta$ -Amyloid plaques
- **M.S.** Design and evaluation of novel flexible ligands targeting  $\beta$ -Amyloid plaques
- **B.S.** Conducted Project: Non-enzymatic electrochemical detection of glucose based on  $\text{Pd}_1\text{Pt}_3$ -graphene nanomaterials
- **B.S.** Synthesis of semiconductor nanocrystals (Cu-In-S quantum dots) by a microwave method and their enhanced electro-catalytic activity toward oxygen reduction and methanol oxidation

### ACADEMIC COMMUNICATION AND TRAINING

- The 30th academic annual conference of Chinese Chemical Society Jul. 2016
- The 8th Training Program of Nuclear Safety and Radiation Protection Jun.2015
  - Ministry of Environmental Protection and Tsinghua University

### PUBLICATIONS

- **Kaihua Chen** and Mengchao Cui. Recent progress in the development of metal complexes as  $\beta$ -amyloid imaging probes in the brain. *Med. Chem. Commun.* **2017**, 8, 1393.
- Hui Zhang, **Kaihua Chen**, Ping Wu, Chenxin Cai. The synthesis of semiconductor nanocrystals (Cu-In-S quantum dots) by a microwave method. Patent No. CN103496737A. *2014.1.8.*

### HONORS AND AWARDS

- The First Prize Professional Scholarship of Beijing Normal University 2016-2017
- The Second Prize Professional Scholarship of Beijing Normal University 2015-2016
- Outstanding Dissertation of the Bachelor Degree, Nanjing Normal University 2014-2015
- The First Prize Professional Scholarship of Nanjing Normal University

### SKILLS

- **Radiopharmaceuticals:** Probe design, organic synthesis, radiolabeling, biological evaluations
- **Animal Study:** Tail intravenous injection, dissecting experiment
- **Software:** ChemDraw, Origin, GraphPad Prism, Gauss View 5.0, AutoDock 4.2, Photoshop, EndNote
- **Proficient in Instruments:** HPLC,  $^1\text{H}$  NMR (Bruker Avance III NMR spectrometers),  $^{13}\text{C}$  NMR (100 MHz),  $\gamma$ -counter, Technetium analyzer