

## Yuxiang Chen, PhD

### Associate



T (617) 248-4756  
ychen@choate.com

#### Practice Areas

Intellectual Property Protection  
Life Sciences

#### Education

Northeastern University School of  
Law  
JD (2023)

Carnegie Mellon University  
PhD (2017) Chemistry

Nankai University  
BS (2010) Chemistry

#### Admissions

Massachusetts  
U.S. Patent & Trademark Office

#### Languages

Chinese

Dr. Yuxiang Chen assists Choate's life sciences clients by utilizing his broad scientific expertise in chemistry and bio/nanotechnology to help with the preparation and prosecution of patent applications as well as due diligence reviews. Yuxiang has experience drafting and prosecuting U.S. and foreign patents in a variety of technical areas including small molecule pharmaceuticals, drug discovery platforms, and nanoparticles/biopolymers related therapeutics.

Prior to joining Choate, Yuxiang was an associate at an international law firm where he advised clients on various patent matters. Yuxiang obtained his JD from Northeastern University School of Law, where he was an Intellectual Property and Innovation Scholar. Before law school, Yuxiang was a Director's Postdoctoral Fellow at the U.S. Department of Energy's Los Alamos National Laboratory working on fluorescent nanoclusters and genetically encoded materials. Yuxiang received his PhD in chemistry from Carnegie Mellon University where he developed novel synthetic methods for atomically precise nanoclusters and deciphered their crystal structures for catalytic and biological applications.

#### Publications and Presentations

- "Emergence of hierarchical structural complexities in nanoparticles and their assembly," co-author, *Science*
- "DNA Templated Metal Nanoclusters: From Emergent Properties to Unique Applications," first author, *Accounts of Chemical Research*
- "Crystal Structure of Barrel-Shaped Chiral Au<sub>130</sub>(p-MBT)<sub>50</sub> Nanocluster," first author, *Journal of the American Chemical Society*
- "Isomerism in Au<sub>28</sub>(SR)<sub>20</sub> Nanocluster and Stable Structures," first author, *Journal of the American Chemical Society*
- "Gold tetrahedra coil up: Kekulé-like and double helical superstructures," co-first author, *Science Advances*
- "Isomerization-induced Enhancement of Luminescence in Au<sub>28</sub>(SR)<sub>20</sub> nanoclusters," first author, *Chemical Science*
- "Tuning the magic size of atomically precise gold nanoclusters via isomeric methylbenzenethiols," first author, *Nano letters*
- "Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles," co-author, *Nature Communications*
- "Controlling the Atomic Structure of Au<sub>30</sub> Nanoclusters by a Ligand-Based Strategy," co-author, *Angewandte Chemie*
- "Electron localization in rod-shaped triicosahedral gold nanocluster," co-author, *Proceedings of the National Academy of Sciences of the United States of America*