

## SUMMARY

- Self-motivated problem solver and fast learner with 6 year experiences of question driven fundamental research in biochemistry with various instrumental technics.
  - Able to leverage qualitative and quantitative analytical methods to solve complicated problems, advance scientific breakthroughs and pursue innovative development.
  - Both a leader and team player. Founded one new student organization and leader of multiple organizations. Achieved in fund raising and successfully organized major events featured by local media.
  - Fluent in English, Native in Mandarin
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## EDUCATION

- Princeton University, Princeton, NJ, USA — Ph.D. in Chemistry, 06/2014 (Expected)
  - Princeton University, Princeton, NJ, USA — M.A. in Chemistry, 06/2010 (GPA 3.35/4.0,)
  - Nanjing University, Nanjing, Jiangsu, China — B.A. in Chemistry, 06/2007 (GPA 3.5/4.0)
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## PROFESSIONAL EXPERIENCE

### Research Assistant, Princeton University, Department of Chemistry, — 09/2008 - Present

- Elucidated a novel mechanism of cytochrome c triggering intrinsic apoptosis
- Developed florescent based assay to monitor conformation change of cytochrome c by interaction with artificial lipid membrane, and first discovered cytochrome c's unique geometric selectivity of lipids.
- Research technics includes: Artificial membrane assembly, Protein expression, purification and modification, Mutagenesis, Single molecule FRET, Protein Docking /Simulations, Activity/inhibition assays, Instrumentation skills (UV-Vis, Fluorescent spectroscopy, CD, NMR, FPLC, HPLC, GC, MS, Confocal microscopes, TIRF), Multiple softwares ( Origin, Pymol, Graphpad, Microsoft Office, Photoshop).
- Collaborated with multidisciplinary internal and external researchers with good communication skills and experiment record tracking.

### Assistant, Career Service of Princeton University, — 09/2013 - Present

- Coordinated multiple information sessions and job posing of major companies across industries.
  - Demonstrated excellent customer service and effective time management while multi-tasking.
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## LEADERSHIP EXPERIENCE

- Founder and President of Princeton University Case Competition (09/2013-current)
  - Committee on Governance, Council of the Princeton University Community (06/2013-current)
  - Project Leader of Volunteer Consulting Initiative, Princeton University Graduate Consulting Club (09/2013-current)
  - International Student Representative, Graduate Student Organization, Department of Chemistry, Princeton University( 2008-2010)
  - Chair of Publicity Council, Student Government, Nanjing University (2003-2006)
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## PUBLICATIONS

- Chris L. Bergstrom, Paul A. Beales, Yang Lv, T. Kyle Vanderlick, and John T. Groves, Cytochrome c causes pore formation in cardiolipin-containing membranes. Proceedings of the National Academy of Sciences 2013 110 (16): 6269-6274
- Bo Yuan, Yang LV, Shuheng Li, Jian shen, Qiang Chen, Meng Zhao, Water-proofing match and its preparation method.(patent number: CN 100572344 C) 2009.12.23.
- Chaoying Yuan, Yang Lv, Chengjian Zhu, Synthesis of Chiral Calixarene-Like Salen Ligand and Application in Catalytic Asymmetric Friedel-Crafts Reaction of Aromatic Amines with Glyoxylate. Synlett 2006(8): 1221-1224