CHI Yonggui Robin
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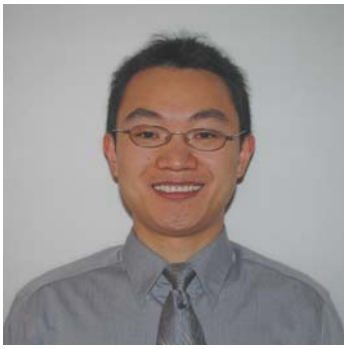

Major Research Interests: **Organic Chemistry-Catalysis & Synthesis;**
Chemical Biology & Materials

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Introduction

Dr. Robin Chi recently started his group at Nanyang Technological University. His research in the broadly defined areas of organic chemistry concerns important challenges involving synthesis, catalysis, materials, and chemical biology. A more detailed description of Chi's research programs can be obtained via email. Through the development of cutting-edge science, student and postdoctoral researchers in the Chi group will receive solid trainings to launch a promising career in academia or industry. As a mentor and coworker, Robin will provide all necessary supports for his group members to succeed.

With generous fund supports from the Singapore government, the Chi group currently undergoes a rapid growth. Robin welcomes excellent candidates to apply for the following positions:

- **Graduate Students**: Highly motivated and ambitious students with experience or interests in the broadly defined areas of organic chemistry, chemical biology, and materials are welcome to join my group. Apply through NTU directly, and indicate your interest in my group.

- **Postdoctors**: Preference will be given to highly motivated candidates with experience in synthetic chemistry, catalysis, polymers, nanoporous materials, or protein modifications. Exceptional candidates with background in other areas will also be considered. To apply, send your CV (with reference list, publication list, and reprints of selected publications) to yongguichi@gmail.com.

- Lab Officer/Technician/Junior Research Assistant: one position available; excellent communication skill is a plus.

- Compensation is commensurate with qualifications.

Selected Publications

Chi, Y.; Scroggins, T. S.; Boz, E.; Fréchet, J. M. J. "Control of Aldol Reaction Pathways of Enolizable Aldehdyes with an Enzyme-Like Polymer Catalyst in Aqueous Environment", *J. Am. Chem. Soc,* **2008**, *130,* 17287-17289.

Chi, Y.; Scroggins, T. S.; Fréchet, J. M. J. "One-Pot Multi-Component Asymmetric Cascade Reactions Catalyzed by Soluble Star Polymers with Non-Interpenetrating Catalytic Cores", *J. Am. Chem. Soc.*, **2008**, *130*, 6322-6323.

Chi, Y.; Guo, L.; Kopf, N. A.; Gellman, S. H. "Enantioselective Organocatalytic Michael Addition of Aldehydes to Nitroethylene: Efficient Access to γ^2-Amino Acids", *J. Am. Chem. Soc.*, **2008**, *130*, 5608-5609.

Chi, Y.; et al. & Gellman, S. H. "Practical Synthesis of Enantiomerically Pure β^2-Amino Acids via Proline-Catalyzed Diastereoselective Aminomethylation of Aldehydes", *J. Am. Chem. Soc.*, **2007**, *129*, 6050-6055.

Chi, Y.; Gellman, S. H. "Enantioselective Organocatalytic Aminomethylation of Aldehydes: A Role for Ionic Interactions and Access to β^2-Amino Acids", *J. Am. Chem. Soc.*, **2006**, *128*, 6804-6805.

Peelen, T. J.; Chi, Y.; Gellman, S. H. "Enantioselective Organocatalytic Michael Additions of Aldehydes to Enones with Imidazolidinones: Cocatalyst Effects and Evidence for an Enamine Intermediate", *J. Am. Chem. Soc.*, **2005**, *127*, 11598-11599.

Chi, Y.; Gellman, S. H. "Diphenylprolinol Methyl Ether: A Highly Enantioselective Catalyst in Michael Addition of Aldehydes to Simple Enones", *Org. Lett.*, **2005**, *7*, 4253-4256.

Chi, Y.; English, E. P.; Pomerantz, W. C.; Horne, W. S.; Guo, L.; Gellman, S. H. "Concise β^2-Amino Acid Synthesis Via Organocatalytic Aminomethylation", *PCT Int. Appl.* **2007**, WO 2007112358. (Patent Application)