**TEEP Online Internship**

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| Grade requirements | Senior and Above Student  | Professional subjects requirements | Organic chemistry and chemical biology |
| Research theme I  | Peptide chemistry and dendrimer chemistry |
| Brief description of research direction: Chemical synthesis and biological fermentation are two major ways for the production of peptides and proteins. Because of the advantage in the incorporation of unnatural amino acid residues and synthesis of peptide analogues, chemical synthesis dominate the preparation of peptides. Among various approaches, solid-phase method is an efficient method for the preparation of peptides. However, the application of solid-phase synthesis in the preparation of functional peptides and peptides analogue remaining difficult and efficient synthetic methods are still needed. During this period of training, we will find the characterized advantages of solid-phase peptide synthesis and discussed the potential application for the synthesis of peptides analogues especially for the cyclic peptides and the applications in peptide-polymer conjugate. |