

Research Internship Information

Name: Nanotechnology and Biomaterials Used for Biomedical Applications for postgraduates

Chinese Host University and Department: Shandong University-Department of Chemistry and Chemical Engineering

Eligibility Requirements: Postgraduate students with the background of physical chemistry, polymer chemistry or bioengineering

Research Internship Description: (1) Nanoengineering of low-fouling poly(ethylene glycol) colloid particles. (2) Interactions between particles and cells (Bio-nano interactions). (3) Polymer particles for drug delivery. (4) Bio-inspired polyphenol chemistry for surface engineering

✧Students are eligible to select“China Studies” courses during the internship period.“China Studies” is a comprehensive and interdisciplinary study area which combines sinology with contemporary China studies to form a new disciplinary. The courses are dedicated to educate those who aspire to become the professionals with broad knowledge and deep understanding of China.

Research Internship Objectives: Make familiar with nanotechnology and biomaterials used for biomedical applications. The research results could be potentially published as journal articles and patents.

Student Roles and Responsibilities: Performing experiments including particle or film engineering, materials characterization, and cell experiments. Drafting experimentation details, research report. Presenting talks on group meetings.

Hours per week: around 40 hours per week

Grading: Working time, lab performance, group talks, and

communications.

Number of Internship Positions: 2

Research Internship Location: Department of Chemistry and Chemical Engineering

Research Internship Dates: minimum three months in all year round

Supervisor(s) Name(s) and Contact Information: Jiwei Cui, jwcui@sdu.edu.cn,
+86-531-88362256

Administrative Contact Information: Ms. Ma Mengran, mamengran@sdu.edu.cn

Research Internship Code: SDU-CLIC004

Website address: http://cis.sdu.edu.cn/cui_lab.htm

Host university application: No

Research Internship Credit: N/A. Letter of Permission is required.

Dormitory accommodation available: yes, on-campus International Student Dormitory is guaranteed.

Additional fees: (field trips, etc.) Aiming to maximize the students' learning outcomes and deepen their understanding of Chinese society, besides the professional teaching and research activities, the field trips are included in the program to visit some of the famous tourist attractions of Jinan city and Shandong Province, the homeland of Confucius and other great philosophers of Chinese history. Hiking, visit to natural springs, ancient temples as well as potential visit to a technology center is included.