

State Key Lab of Metal Matrix Composites

School of Materials Science and Engineering

• About the Lab •

The State Key Laboratory of Metal Matrix Composites (SKLMMC) was established and passed the assessment in 1991, and was open in 1992. After years of development, the laboratory has become China's major base for composite materials research, which is mainly of metal matrix composites and the comprehensive development of polymer matrix composites and new functional composite materials. There are 72 regular research personnel, including 43 professors (researchers), 22 associate professors (senior engineers), among which 59 persons have Ph.D. degree. There are one academican of the Academy of Sciences, five winners of National Outstanding Youth Foundation and six Cheung Kong Chair Professors of Ministry of Education.

• About the Team •

Xiaobin Hu, an associated professor, received his PhD in Materials Science from SJTU in 2003, and then was a postdoc at Department of Chemistry of Tsinghua University, Beijing from 2005 to 2007. His current researches focus on colorimetric hydrogel chemosensor based on photonic crystals and molecular imprinting, the coupling of photonics with plasmonics and energy materials, with more than 30 publications in peer view journals such as Angew. Chem. Int. Ed., Adv. Mater., Chem. Commun. and so on.

• Research Fields •

Advanced Materials

Project: Manufacture of Sensitive photonic hydrogel

Project: Manufacture of Graphene xerogel

• Responsibility •

To finish the project by himself under supervision of a PhD student.

• Eligibility •

- Be in their second or third year of undergraduate study
- Hold at least a 2.5 GPA on a 4.0 scale
- Students of non-English speaking countries must provide English language proficiency certificate, IELTS no less than 6.0, and TOEFL no less than 90 points. If you are in the college for English teaching programs, please provide relevant certificates.
- Have at least one prior research experience

• Additional Financial Support •

N/A

• Contact •

Person in Charge: Xiaobin Hu, 021-34202843, hxb@sjtu.edu.cn