

Research Interests

PARTICIPANTS' AREAS OF RESEARCH AND TECHNICAL WORK

| | |
|----|------------------|
| * | Committee Member |
| ** | Speaker |

Jun Nakanishi, National Institute for Materials Science (NIMS)



My research interest is focused on understanding the mechanisms how individual cells assemble to form functional architectures such as tissues and organs. To this end, we are currently studying cell micropatterning methods for creating tissue mimics in vitro, stimulus-responsive drug delivery systems for regulating cellular functions, surface chemistry of cell culture scaffolds, and optical probes for biological substances and activities. I am also interested in the application of these engineered tools for biomedical as well as bioanalytical purposes.