

# 220<sup>th</sup> iCeMS Seminar

June 1, 2023  
5:00–6:00pm

Kyoto University KUIAS/iCeMS Main Building  
2F Seminar Room

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Peking University



## Translational Chemical Biology

Many critical biological processes are conducted by small molecules, so they can arguably be regarded as another essential component of the “central dogma” of molecular biology. Biologically meaningful small molecules may be natural products discovered by nature through many cycles of diversity generation and natural selection, or they may be prepared through organic synthesis to develop drug candidates or chemical probes to study life’s processes. This lecture will illustrate the opportunities at this interface between chemical biology and drug discovery by describing a series of examples we are actively working on in our laboratory at Peking University. We extensively use bioactive small molecules to explore new biology and develop novel drug candidates for human diseases, such as cancers and metabolic diseases.



More details are available at the iCeMS website:  
[www.icems.kyoto-u.ac.jp](http://www.icems.kyoto-u.ac.jp)

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