

## 250th IBB Seminar

# Tailoring the activity spectra of cell-penetrating peptides

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日時 : 2023 年 5 月 12 日 (金) 16:30~18:00

会場 : 東京医科歯科大学 生体材料工学研究所  
第二会議室 22 号館 (1 階)

Abstract: In my lab we are interested in the design and biological evaluation of cell-penetrating peptides (CPPs). CPPs have been extensively studied and used as vehicles for the intracellular transport of various cargos. Also, the development of novel diagnostics or therapeutics including CPPs has gained much interest, for instance in current cancer research. On the other side, CPPs share similar physicochemical characteristics with other membrane-active peptides such as antimicrobial peptides and can be thus optimized to exhibit antimicrobial activity. In this work, our progress in CPP modification and application, with an emphasis on tailoring the biological activity spectra of CPPs, will be highlighted.

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