

**演題：Carbohydrate-based Block Copolymer
Self-Assemblies: Highly Nanostructured
Thin Films and DSA Patterning**

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場所：フロンティア応用科学研究棟 2階 セミナー室2

共催：大学院工学研究院 高分子化学研究室

要旨：

The self-assembly of carbohydrate BCP systems at the nanoscale level via the bottom-up approach, has allowed only recently the conception of very high-resolution patterning (thin films with sub_10nm resolution) that has never been attained to date by petroleum-based molecules and provides these new materials with novel properties such as : New generation of Nanolithography, Memory devices, OPV, high resolution Biosensors,...

I will present recent results on the self-assemblies of carbohydrate-based block copolymer leading to highly nanostructured thin films (sub-10nm resolution) using DSA approach in combination of solvent and/or thermal annealing as well as new and ultra-fast microwave “cooking” approach.

本講演は、大学院総合化学院『化学研究先端講義（修士課程選択科目）／
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連絡先：工学研究院応用化学部門 佐藤 敏文（内線：6602）