Frontier Chemistry Center
フロンティア化学教育研究センター

# 講演会

演 題：**Precise Synthesis of Tri- and More Block Polymers with Unusual Block Sequences by Methodology Combining Living Anionic Polymerization with Specially Designed Linking Chemistry**

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※ビデオ会議システム「Zoom」によるオンライン開催

要 旨：

Block polymers have recently received much attention as important nanomaterials in the fields of nanoscience and nanotechnology. For this purpose, their well-defined and precisely controlled structures are essential. Such block polymers are generally synthesized by the living anionic polymerization where two or more different monomers are sequentially polymerized. With similar reactive monomers, all possible block polymers are readily synthesized because crossover polymerization is acceptable. In contrast, with different reactive monomers, the number of synthetically feasible block polymers is considerably limited due to the difficulty of crossover polymerization. We herein propose a new methodology combining living anionic polymerization with specially designed linking chemistry to overcome the synthetic problem of block polymers.

With this methodology, quite new and well-defined tri- and more block co-, ter-, and quarter polymers with unusual block sequences inaccessible by the sequential polymerization have been successfully synthesized.

参加方法：

参加をご希望の方は、氏名・所属・学年（職名）を明記の上、7 月 30 日(木)までに FCC 事務局（mc104@eng.hokudai.ac.jp）までメールでお申し込み下さい。

出席確認方法：

Zoom 入室時に（学生は学生番号および）氏名をチャットで記入すること。

**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）／総合化学特別研究第二（博士後期課程選択科目）』の一部として認定されています。出席希望者は、必ず事前に AGS 事務局（ags@eng.hokudai.ac.jp）宛てメール連絡をすること。**

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