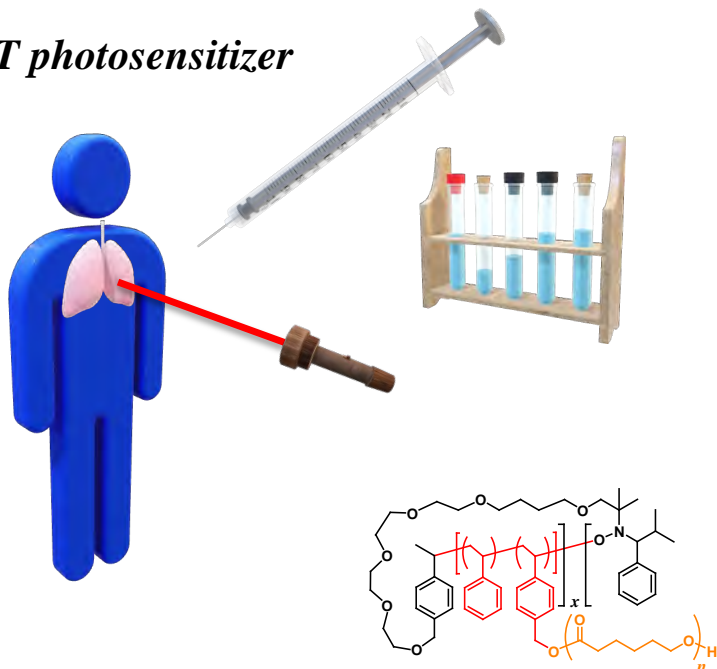


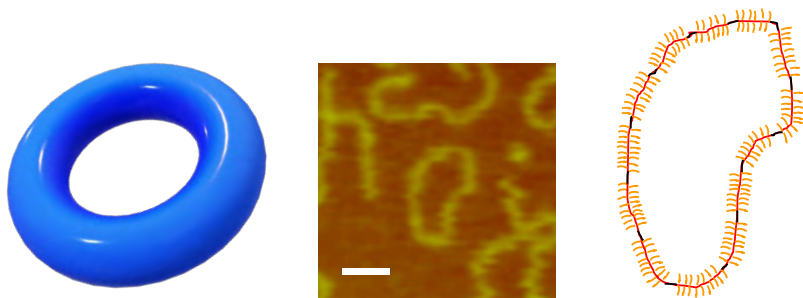
Precision polymer synthesis + Photoactivation + Bioconjugation

Professor **Atsushi Narumi**

PDT photosensitizer



Macrocyclic polymer synthesis



Content:

Prof. Narumi group studies a polymerization system that enables the ring-expansion “vinyl” polymerization as a fundamental research in the field of polymer synthesis.

Also, a variety of photoactive compounds are synthesized in this group, which show accumulation abilities toward tumor cells in order to develop advanced photosensitizers for the photodynamic therapy (PDT).

Appealing point:

Polysaccharides are “inexhaustible organic raw materials” and/or “polymers showing biodegradability” and thus their utilizations are most important. Our group aims to provide advanced and safe polymeric/organic materials based on synthetic chemistry using polysaccharides.

Yamagata University, Graduate School of Organic Materials Science
Research Interest : Polymer synthesis

E-mail : narumi@yz.yamagata-u.ac.jp
Tel : +81-238-26-3829

HP : <http://narumi-lab.yz.yamagata-u.ac.jp>

