## NAKAGAWA LAB.

## Next-Gen Polymer Networks with Homogeneous Structure



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## Controlling & analyzing the structure of crosslinked polymers

Materials such as rubber and jelly are actually **crosslinked polymers** made of a 3d network of long string-like polymer chains. The performance and functions of crosslinked polymers strongly depend on the network structure, but the structure of conventional crosslinked polymers is highly inhomogeneous and difficult to control. We aim to develop **crosslinked polymers that outperform exsisting materials**, through the precise control of the network structure and various analysis techniques.





