



# Institute of Transformative Bio-Molecules (Nagoya University)

**OUR GOAL** is to develop “**transformative bio-molecules**”, innovative functional molecules that make a marked change in the form and nature of biological science and technology.

**OUR UNIQUE APPROACH** is to apply our **cutting-edge synthesis** (molecule-activation chemistry), with the support of computational chemistry, to synthesize key molecules to explore **advanced systems biology in plants and animals**.

**THE IDENTITY** of the Center is its capability to **synthesize** completely new bio-functional molecules with carefully **designed** functions.

**EXPECTED OUTCOME:** Our campaign will culminate in a wealth of **synthetic bio-molecules** that will be key to solving urgent problems at the interface of chemistry and biology. The innovation in food/biomass production, optical technologies, and generation of new bio-energy can be imagined as our dream.

