

### **Self-assembly of biomolecular materials for biosensor and biomedical applications**

Nucleic acids are one of base structure of any biomolecule, using this property can create programable material because researcher can change sequence or shape of DNA to be suitable with a usage. Nowadays, to adjust sequence or shape of DNA have to use DNA origami to lead growing up of wanted DNA. One of DNA origami application is building paired DNA to detect distance between two DNA and emit light to check a property which depend on distance of DNA.