

Research Interests

PARTICIPANTS' AREAS OF RESEARCH AND TECHNICAL WORK

*	Committee Member
**	Speaker

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My research interest is to decipher complex biological phenomena such as spatio-temporal pattern formation of multi-cellular structure during embryogenesis. To address this, I have been recently focusing on development of bioimaging tools. For example, so far, I invented a Ca^{2+} sensitive fluorescent protein, *Pericam*, the brightest version of yellow fluorescent protein, *Venus*, and a photoconvertible fluorescent protein, *Phamret*, etc. Currently, I'm now trying to develop a protein-based photosensitizer for photo-induced biomanipulation.