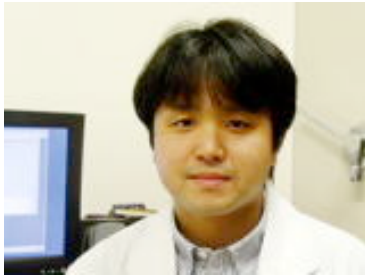


# Takaharu OKAJIMA



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【Speciality】 Nanobioscience

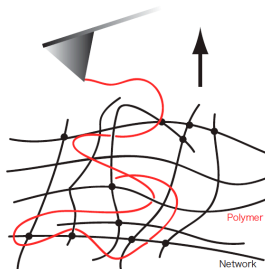
【Keywords】 live cell measurements, atomic force microscopy

## 【Research Subject】

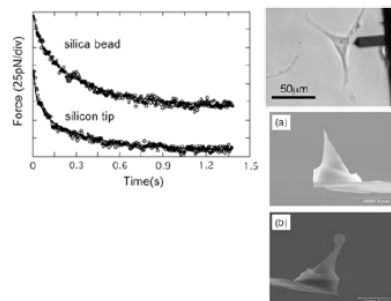
Nano-scale dynamics of live cell surface under cell cycle control

## Research Group Activity

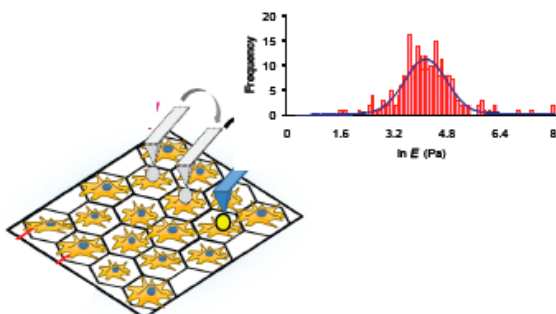
- Single molecule spectroscopy  
Single molecule detection of Inter-molecular interactions by AFM



- Nanorheology of single cells  
Stress and creep relaxation of single cells by AFM



- Statistical analysis of single cell mechanics  
Distribution of single cell mechanics measured by AFM with microarray techniques



- Dynamics of single molecule in cells  
Combined system of AFM and optical techniques for measuring dynamics of single molecule in cell surface.

