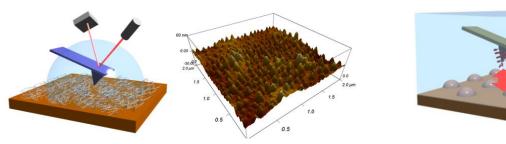
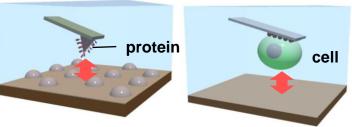
# **Bio-Interface Analysis**

## Our analysis aims to clarify

What is a key phenomenon at biocompatible polymer interfaces? What is intermediate water?

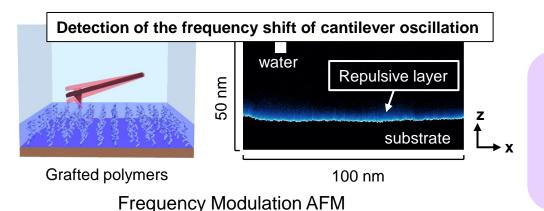
## Analysis of biocompatible polymer/water interfaces





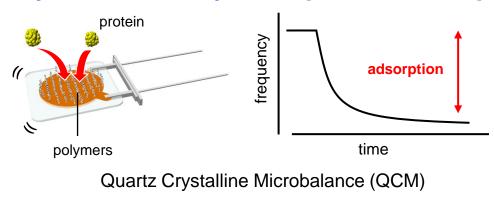
Atomic Force Microscopy (AFM)

**Interaction Measurement** 



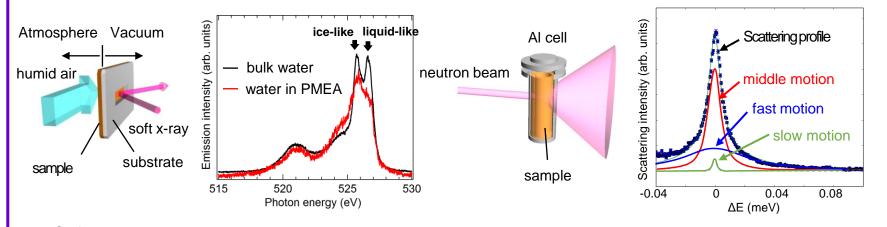
We investigate the fine structures and interactions on biocompatible polymer/water interface.

# **Dynamical Analysis of protein adsorption**



We evaluate the dynamics of protein adsorption and the hydration state of polymers.

## Analysis of structure and property of intermediate water



Soft X-ray emission spectroscopy @SPring8

Quasi-elastic neutron scattering @J-PARC

We explore the structure and dynamics of intermediate water with high resolution apparatuses in SPring-8 and J-PARC.