

# KAWAKATSU LAB.

## [Coupling to the Nano Regime]

Centre for Interdisciplinary Research on Micro-Nano Methods (CIRMM)

Applied Scientific Instruments

Precision Engineering Department

<http://www.inventio.iis.u-tokyo.ac.jp>

### Coupling to the Nano Regime

(1) Our chief interest is in mechanical interactions in the atomic to the nano regime. We work on imaging mechanisms, novel detection techniques and control and application of mesoscopic phenomena.

(2) We welcome young students and researchers from all over the world. We put emphasis on hosting interns up to six months stay as well as on long term stays for master students to post doctoral fellows.

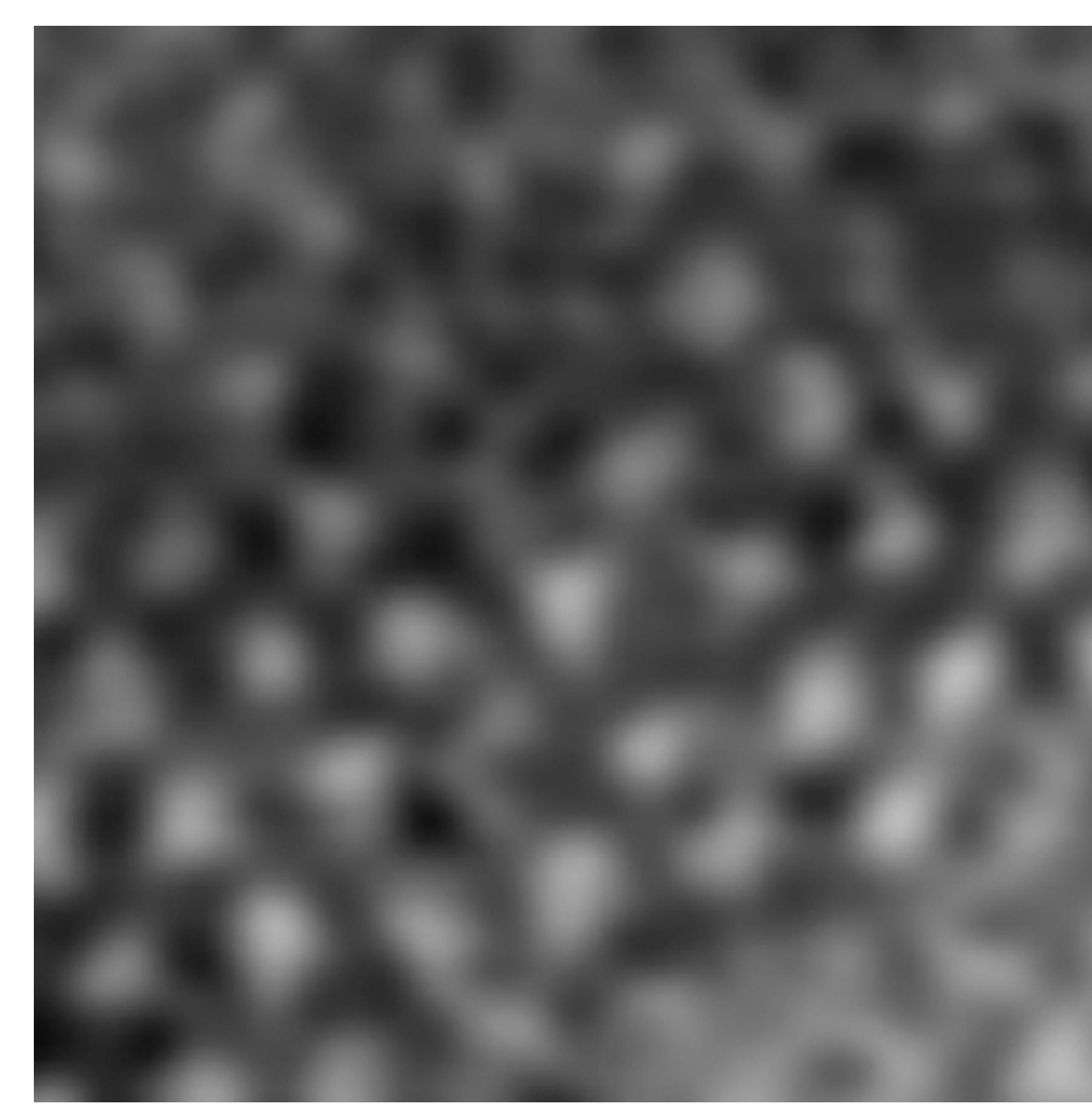
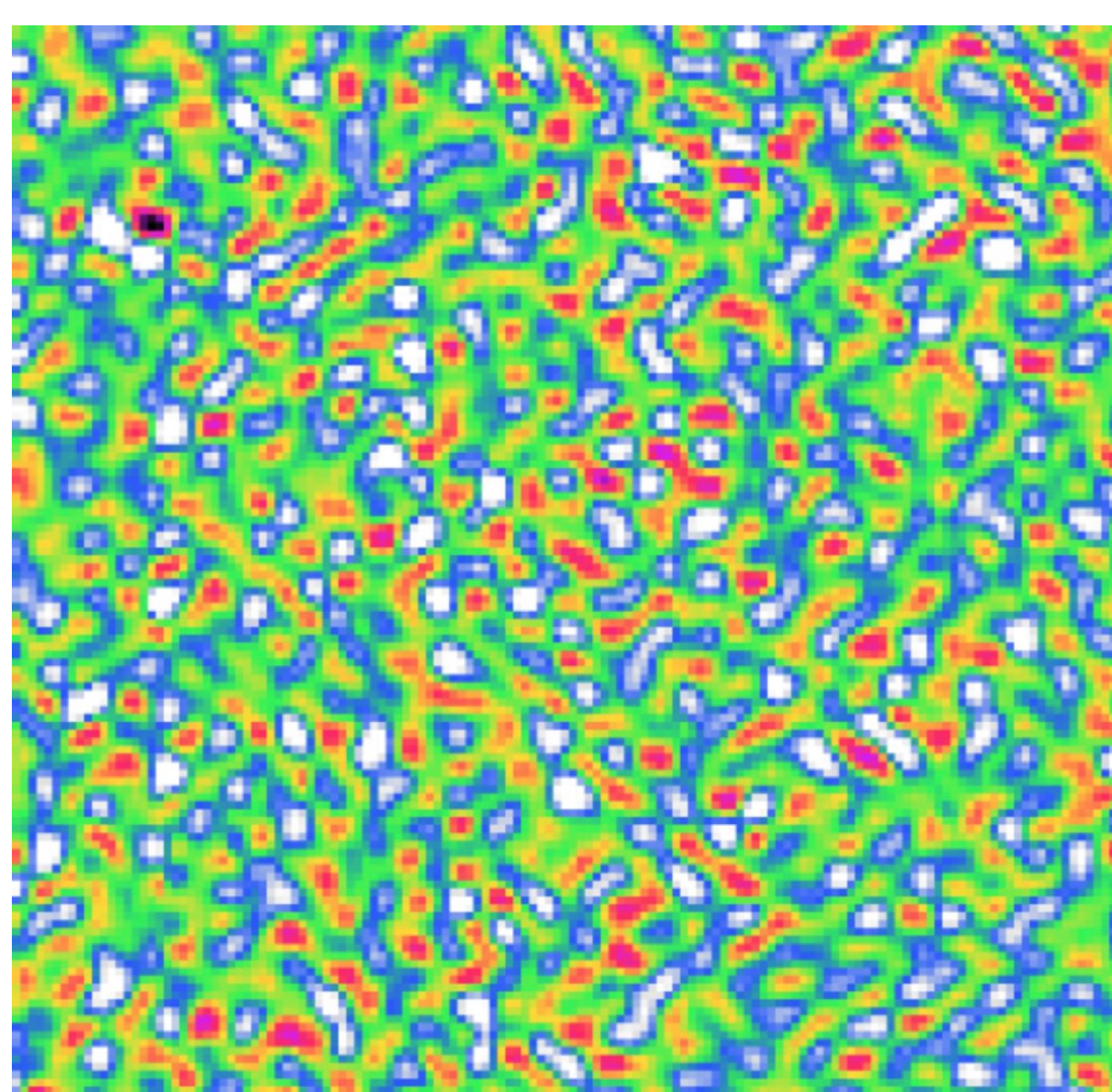


Fig1. Chemical contrast AFM Fig.2 UHV TEM AFM

Fig.3 Liquid AFM

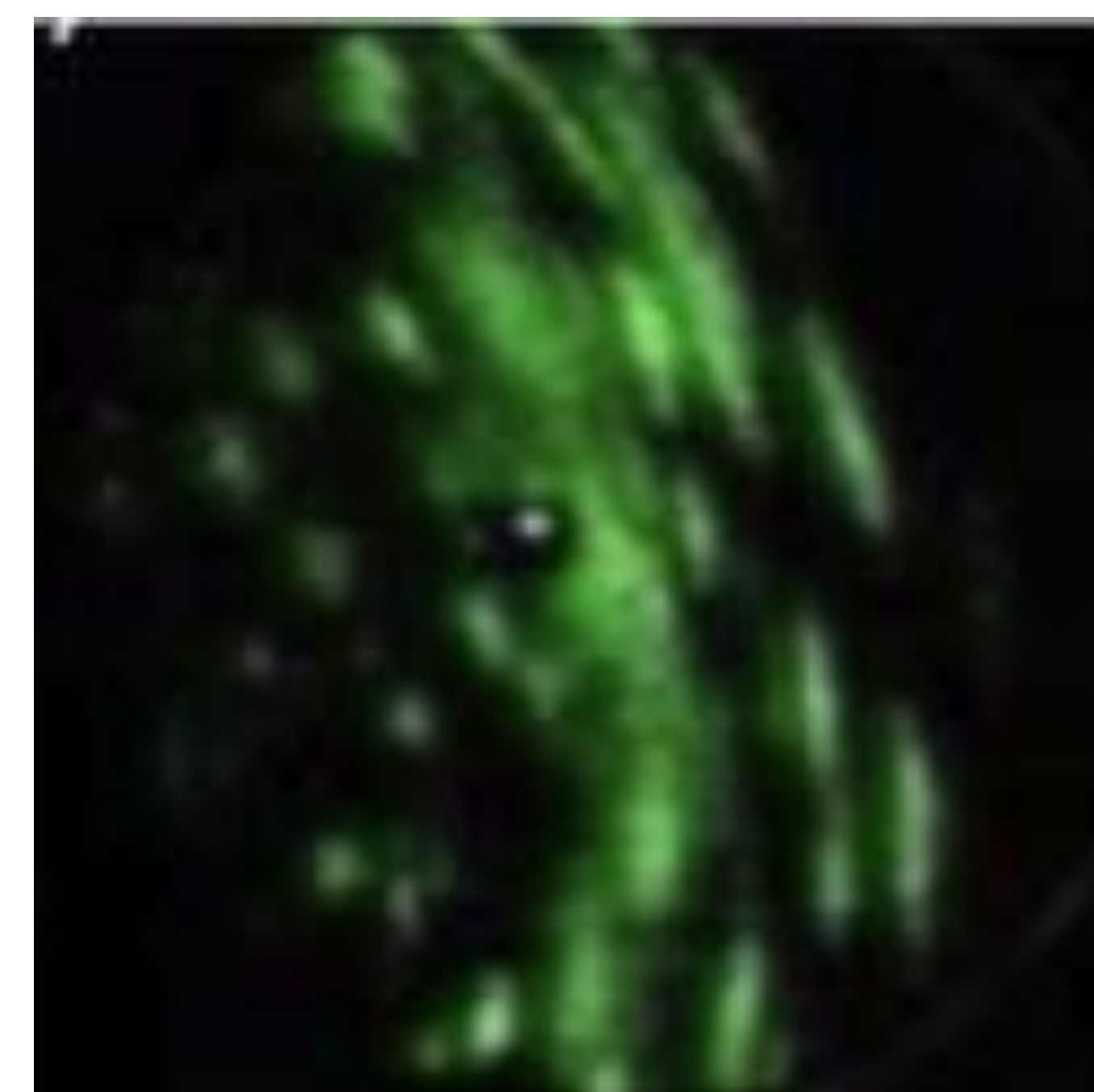
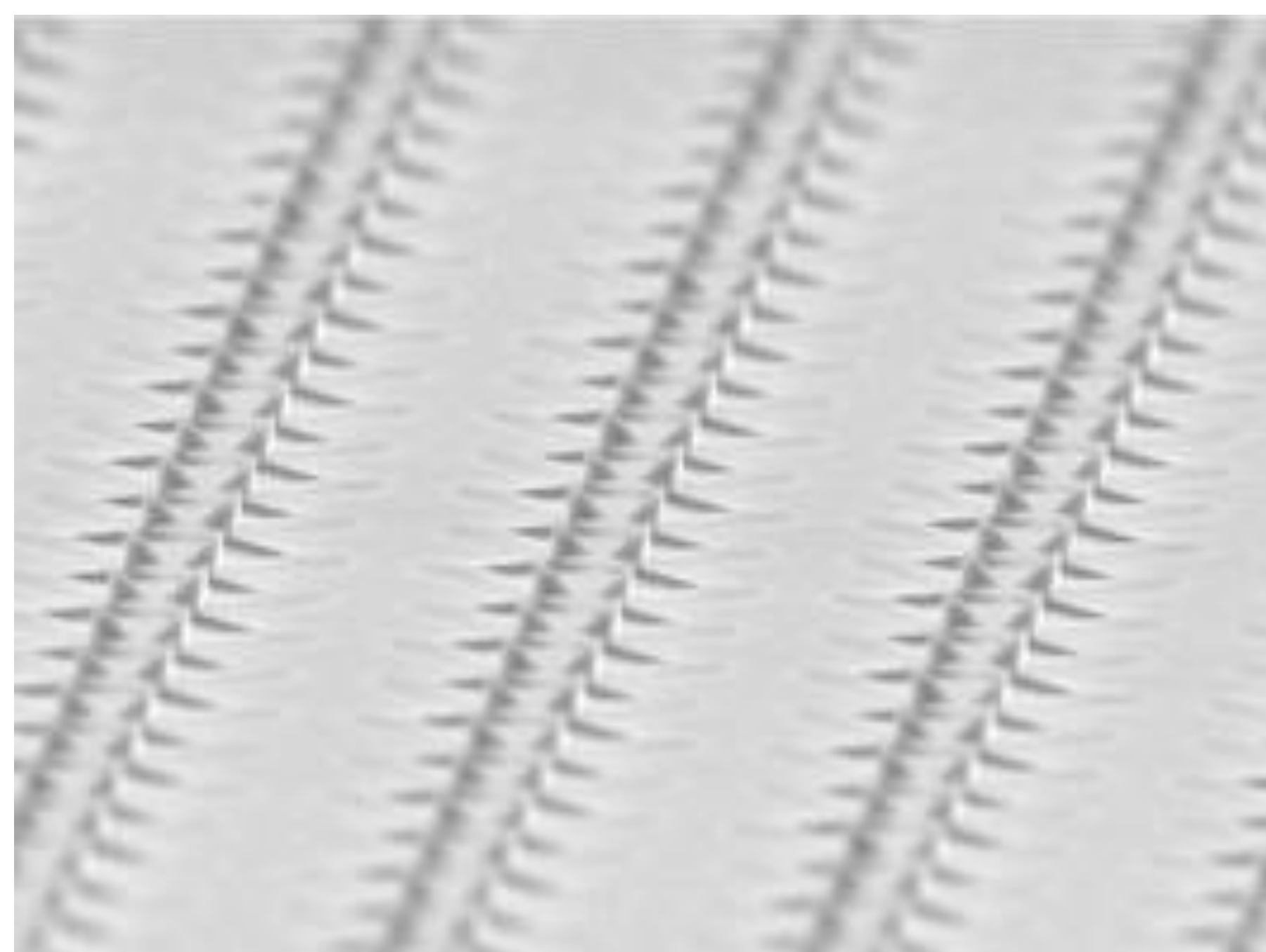
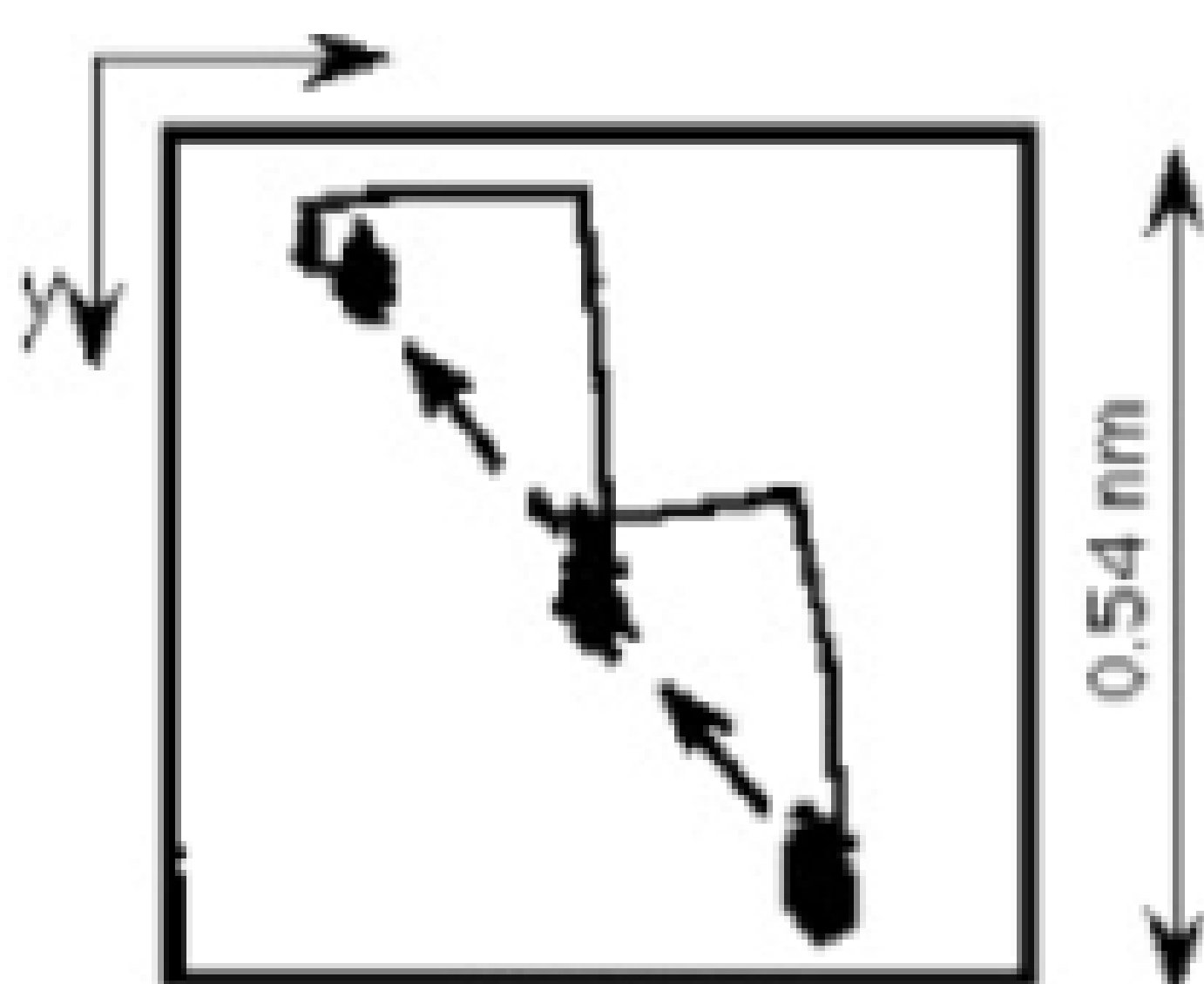


Fig4. Atomic Stepper

Fig.5 Millions of Cantilevers Fig.6 Vibratory emission