



**TARA**

Life Science Center for Survival Dynamics  
Tsukuba Advanced Research Alliance

# TARA Seminar

17:00~18:00, Mon. Oct. 1st, 2018  
Seminar room, Building A, TARA Center

## Dr. Hideaki Kano 加納英明先生

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## Molecular fingerprinting of living systems by nonlinear Raman spectroscopy

### 生細胞を染めずに見る

～非線形ラマン分光を用いたラベルフリー分子イメージング～

Molecular fingerprints act as natural contrasts to biomolecules. Vibrational spectroscopic imaging using molecular fingerprints, i.e., molecular fingerprinting, is opening new opportunities to reveal cellular machinery and enable molecule-based diagnosis. In this talk, I will introduce biomedical spectroscopic imaging using the coherent anti-Stokes Raman scattering (CARS) process.

**\*The seminar will be given in English.\***

Organizer; Prof. Hiromi Yanagisawa <hkyanagisawa @tara.tsukuba.ac.jp>

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