

# NanoSIMS 133 User Meeting

Time	Agenda	Person on duty
09:00 – 09:30	Registration	
09:30 – 09:40	Opening	Dr. Der-Chuen Lee (李德春)
09:40 – 09:50	Introduction of NanoSIMS 133	Dr. Silver Sung-Yun Hsiao (蕭淞云)
09:50 – 10:15	High spatial resolution of otolith carbon, oxygen and nitrogen isotopes revealed by SIMS and nanoSIMS	Dr. Jen-Shieh Shiao (蕭仁傑)
10:15 – 10:40	Temperature fluctuations drive the rates of carbon and nitrogen uptake by phytoplankton and bacteria in subtropical coastal environments	Dr. Ta-Hui Lin (林大暉, online)
10:40 – 11:05	Using FISH-NanoSIMS to investigate the function of bacteria in coral skeletons	Dr. Shan-Hua Yang (楊姍樺)
11:05 – 11:30	NanoSIMS analysis provides key evidence for detection of biological functions of bacteria	Dr. Sen-Ling Tang (湯森林)
11:30 – 13:00	Lunch	
13:00 – 13:25	Multi-stage hydrothermal activities recorded in sedimentary pyrites from the Neoproterozoic cap carbonate	Dr. Yung-Hsin Liu (劉永欣)
13:25 – 13:50	A newfound $^{26}\text{Al}$ -poor Ca-Al-rich inclusion with nucleosynthetic Si isotope anomaly: its origin and isotopic variations during metasomatism	Dr. Der-Chuen Lee (李德春)
13:50 – 14:15	Stardust grains from AGB stars, Novae and Supernovae	Dr. Manish N. Sanhani (online)
14:15 – 14:40	Role of FASCN additive in perovskite solar cells	Ming-Hsien Li (李明賢, online)
14:40 – 15:00	Break	
15:00 – 15:25	Multi-ion signal integration in seed- light, calcium and Potassium	Dr. Chen-Hsun Ho (何承訓)
15:25 – 15:50	Risk assessment of emerging environmental contaminants, gallium, indium, and thallium that are important elements for high-tech applications	Dr. Kuo-Chen yeh (葉國楨)
15:50 – 16:15	From single cells to single subcellular compartments	Dr. Shih-Yu Chen (陳世滄)
16:15 – 16:50	Recent update of NanoSIMS	Cameca
16:50 – 17:00	Closing	Dr. Hsien Shang (尚賢)