

# PROGRAMME

10:30 – 10:45	<b>Opening remarks</b> <b>Prof. Shiraiwa, University of Tsukuba</b>
	<b>Session 1. Alkenone in lake: Biological and geochemical studies</b> <b>Chair: Osamu Seki</b>
11:00 – 11:45	<u>J. Toney</u> , Y. Huang, R. Anderson and S. Fritz Alkenones: Unlocking the potential of globally abundant algal lipids
11:45 – 12:30	<u>J. McColl</u> , J. Bendle, J. Toney, J. Couto, B. Sloan, A. Henderson and O. Seki Climate variability of the last 1,500 years in the NW Pacific: High-resolution, multi-biomarker records from lake sediments
12:30 – 13:45	<b>Lunch</b>
	<b>Session 1 (continued). Chair: Hiroya Araie</b>
13:45 – 14:15	<u>K. Sawada</u> , M. Takeda, M. Ono, H. Ke, Y. Takano Biological and geochemical studies on long chain alkenones from continental lake sediments in China and Antarctica
14:15 – 14:45	<u>O. Seki</u> , D. Schmidt, R. Pancost Refining paleo- $p\text{CO}_2$ estimates based on alkenone $\delta^{13}\text{C}$
14:45 – 15:15	<b>Break</b>
	<b>Session 2. Bioscience of alkenone and related lipids</b> <b>Chair: Ken Sawada</b>
15:15 – 15:45	<u>H. Araie</u> , H. Nakamura, C. Kanou, K. Sawada, Y. Shiraiwa Screening of Alkenone- and Alkene-producing Coccolithophores
15:45 – 16:15	<u>H. Nakamura</u> , H. Araie, C. Kanou, K. Sawada, Y. Shiraiwa Variations in compositions of long chain alkenones and alkenes in culture samples of haptophyte algae
16:15 – 16:45	<u>T. Kotajima</u> , E. Kitamura, N. Ihara, H. Araie, I. Suzuki, Y. Shiraiwa The mechanism of $\text{C}_{37:3}$ -alkenone Biosynthesis in the coccolithophorid <i>Emilinia huxleyi</i>
16:45 – 17:15	<b>Free discussion</b>
18:00 –	<b>Convivial party</b>