

# The 1<sup>st</sup> international seminar on synchrotron X-ray bioimaging

Research Institute for Electronic Science, Hokkaido University, Sapporo, Japan

January 27, 2016

**10:30 – 10:40**

Opening Remarks

**Yoshinori Nishino**

(Research Institute for Electronic Science, Hokkaido University, Sapporo, Japan)

----- Morning Session -----

Chair: Satoshi Matsuyama

**10:40 – 11:20**

“Intracellular metal transport with targeting and a preliminary report of nanoSIMS”

**Łukasz Szyrwił**

(Department of Chemistry of Drugs, Wrocław Medical University, Wrocław, Poland)

**10:20 – 12:00**

“Diagnosis or prognosis of hematological malignancy using multiple elements”

**Mari Shimura**

(Department of Intractable Diseases, Research Institute, National Center for Global Health and Medicine, Tokyo, Japan)

**Lunch**

----- Afternoon Session -----

Chair: Łukasz Szyrwił

**13:30 – 14:10**

“Achromatic and high-resolution full-field X-ray microscope”

**Satoshi Matsuyama**

(Department of Precision Science & Technology, Graduate School of Engineering, Osaka University, Osaka, Japan)

**14:10 – 14:50**

“High-contrast nano-imaging of unstained biological samples opened up by coherent X-rays”

**Yoshinori Nishino**

(Research Institute for Electronic Science, Hokkaido University, Sapporo, Japan)

**Discussion over Coffee**

15:15

Closing

**Each Talk: 30 min presentation + 10 min. discussion**