



## ISBER ELECTIONS SELF-NOMINATION BIOSKETCH DIRECTOR-AT-LARGE, INDO-PACIFIC RIM (MAY 2019-MAY 2020)

<b>First Name</b>	<b>Last Name</b>
Koh	Furuta
<b>Degree (if applicable)</b>	
MD, PhD (Kyushu Univ, Japan)	
<b>Current position and institution</b>	
President, Council for Industrial use of Biological and Environmental Repositories (CIBER)	
<b>Education and Experience</b>	
<p>1982: Residency in Surgery, Kyushu University, 1983: Residency in Anesthesiology, Kyushu University, 1987: Residency in Pathology, Niigata University, 1992: Research fellow in Surgery, Pathology, and Molecular Pharmacology, Johns Hopkins University, 1997: Staff in Clinical Laboratory, Kyushu University, 1998: Assistant Professor in Laboratory Medicine, University of Occupational and Environmental Health, 2001: Staff in Clinical Laboratory, National Cancer Center Hospital, Tokyo, 2011: Sabbatical at Dept. Mechanical Engineering, University of Minnesota, 2015: Director of Clinical Laboratory, Kanagawa Cancer Center Hospital, 2018: President, CIBER, 2019: Visiting Scientist, IARC (WHO), 2020: Prof at Adv Med Res Center, Sch of Med, Univ of Ryukyus (Okinawa, Japan)</p>	
<b>Biobanking Interests</b>	
<p>I started my career by training and practicing as a surgeon. I then spent 5 years at Johns Hopkins University from '92 to '97. During that time I was exposed to the very early stages of molecular biology and biobanking. After returning to Japan, I spent 15 years at National Cancer Center Hospital in Tokyo. During my work at National Cancer Center, I was focusing on establishing a biobank of liquid samples, especially of blood. Until the end of 2019 I was serving as the official liaison between ISBER and ISO TC276 (biobanking) and chairing the ISBER ISO TC276 task force. At the same time, I am working as a national expert of ISO TC212 (Clinical Laboratory) and ISO TC215/SC1 (Genomics Informatics). Thus my current contributions are deeply related to standardization and harmonization of human samples and associated data to attain quality not only in research and development but also in the clinical field. I am one of the founding members of CIBER (Council for Industrial use of Biological and Environmental Repositories). CIBER is trying to provide a better environment for biobanking in Japan among various stakeholders such as biobankers, users and regulatory parties.</p> <p>Looking around the region of the Indo-Pacific Rim, we understand it is a region of diversity, comprising various countries of different economical scales, and further various non-human natural resources especially in the marine biology field. Based on this, we should focus more on these fields. We may ask people in these fields to join us and discuss environmental issues affecting them.</p> <p>I am ready to work hard representing the Indo-Pacific Rim region towards the future and for the sake of the next generations to come.</p>	
<b>Professional Activities (ISBER and other)</b>	
<b>ISBER Working Groups</b>	
Publication C: 2015, Program C: 2015, 2018, Nominating C: 2017, 2018, 2019, Standards C: 2017, 2018, 2019, Governance C: 2019	
<b>Professional Societies and Volunteer Organizations related to biobanking</b>	



Board member of Japanese Society of Laboratory Medicine (JSLM)  
 Japanese Society of Clinical Chemistry (JSCC)  
 Committee on Nomenclature, Properties and Units (C-NPU) at International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)  
 Expert of ISO TC212 (Clinical laboratory testing and in vitro diagnostic test systems)  
 Expert of ISO TC215/SC1 (Genomics Informatics)  
 Council for Industrial use of Biological and Environmental Repositories (CIBER)

**Organizer or co-organizer of meetings/conferences:**

Symposiums by Japan Human Biospecimen Science Society (JHUBSS)  
 Symposiums at JASIS (Japan Analytical and Scientific Instruments Show)

**Editorial Boards**

Biopreservation and Biobanking

**Other**

List of publications and communications in the topic:  
 References in peer-reviewed journals:  
 Koh Furuta, et al. (2018). "Standardization and Innovation in Paving a Path to a Better Future: An Update of Activities in ISO/TC276/WG2 Biobanks and Bioresources." Biopreservation and Biobanking 16(1). DOI: 10.1089/bio.2017.0117  
 Shiraishi K, et al (2016). "Association of variations in HLA class II and other loci with susceptibility to EGFR-mutated lung adenocarcinoma." Nat Commun 7: 12451.  
 Yoshioka, Y., et al. (2014). "Ultra-sensitive liquid biopsy of circulating extracellular vesicles using ExoScreen." Nat Commun 5. DOI: 10.1038/ncomms4591  
 Invited presentations to International Congresses:  
 "ISO AND ISBER AND CAP, OH MY!" at ISBER 2018 Annual Meeting, Dallas, Texas, USA, 2018.5.24  
 "Status quo and the future; Biobankings in Japan", at European Biobank Week, Vienna, Austria, 2016.9.13-16.