

3rd International Conference and Exhibition on **Biosensors & Bioelectronics**

August 11-13, 2014 Hilton San Antonio Airport, San Antonio, USA



Eiichiro Ichiishi

International University of Health and Welfare Hospital, Japan

Trends in diagnostic biochip development

Technological advancements in biochips for diagnosis and prevention lead to improved healthcare cost containment with a decreasing birth rate and an aging population. Biochips have been attracting attention as a tool for improving healthcare costs. There are technological, standardization-related, ethical and societal problems in biochip development. For biochip market expansion, in addition to technological problems, it is necessary to overcome social, institutional, marketing and economic problems all together. It is expected that the application of biochip technologies will facilitate not only 'super' early diagnosis of diseases and disease prevention based on the diagnosis, but also early treatment.

Biography

Eiichiro Ichiishi, MD, PhD, graduated from medical department, Kyoto Prefectural University of Medicine in 1992. He studied at Tokyo University as a special research student from 1998-2000. Since 2003, he became Associate Professor at Tohoku University, New Industry Creation Hatchery Center (NICHe). From 2007, he was promoted to Professor of Japan Institute of Science and Technology (JAIST). From 2007-2008 he joined Tohoku University Bioengineering Research Organization (TUBERO) and Medical Department of Tohoku University as visiting Professor. In 2010, He was appointed Professor in Internal Medicine at International University of Health and Welfare Hospital.

ichiishi@xg7.so-net.ne.jp