

慶應医学会例会

下記により例会を開催いたしますので、多数ご来聴ください。

記

日時 2017年7月5日(水) 18:00

場所 東校舎講堂

演題 **Precision Cancer Medicine and Super-computing System**

Toshifumi Wakai MD, PhD, FACS

Division of Digestive and General Surgery, Niigata University

Precision Cancer Medicine: Tumors are classified into several molecular subtypes by Genomic Sequencing. Comprehensive targeted-gene panel provides more therapeutic options. CANCERPLEX-JP version 4.0 includes 435 actionable genes, which clinical approaches are available. Utilizing the gene panel platform, we assessed the genes and pathways most frequently altered in Japanese and US cases (Genome Med 2016;8:136). We demonstrate concordance of CANCERPLEX-JP with whole-exome sequencing from the TCGA in identifying hypermutated samples and microsatellite instability in multiple cancer types, such as colorectal and gastric cancer. We introduced our activity for precision medicine at 4th US-Japan Clinical Trials in Oncology Workshop sponsored by Embassy of Japan, at Washington DC, held in June 9, 2016. We highlight the clinical utility of CANCERPLEX-JP (435 genes) in guiding treatment strategies with targeted therapy in solid tumors, thus providing rationale for Comprehensive Genomic Sequencing in actualizing precision medicine. The goal of Precision Medicine is cost effectiveness and realization of genome drug discovery.

Super-computing System: This introduction plan is based on the massive medical big data (cancer gene mutation information, genomic data, image data, etc.) possessed by Niigata Prefecture and Niigata University, to construct an integrated analysis system incorporating deep learning, and introduces a high-performance computer system for the development and activation of related industries. Therefore, it is necessary to have an operation system that can connect to the hospital electronic medical record without interference.

Leadership training of surgery in US

Kazuaki Takabe M.D.

Alfiero Foundation Chair and Clinical Chief of Breast Surgery Leader of Breast Program and Breast Disease Site, Breast Oncology Fellowship Program Director, Roswell Park Cancer Institute

Surgeons in US receive training to be a leader during surgical residency, which is postgraduate education. Leadership is considered to be essential, since the surgeon directs the medical team. Every surgeons should get the opportunity to acquire the leadership skill. I would like to introduce the leadership training that I received as an ASCO Leadership Development Program graduate and as Geisel Leadership Course at Dartmouth Scholars in addition to the American Surgical Residency. I would also like to announce the research of Precision Medicine in my department.

担当 外科学教室

責任者: 北川雄光 教授 (内線 62334)

以上



主催 慶應医学会
共催 慶應医師会

The Keio Journal of Medicine