

2017 CSCC Travelling Lectureship

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BIO-RAD

SPEAKER

Dr. Alan H.B. Wu

Professor, Laboratory Medicine, University of California, San Francisco



ABOUT THE SPEAKER

Alan H.B. Wu, Ph.D., is Chief of Clinical Chemistry and Toxicology at San Francisco General Hospital and Professor of Laboratory Medicine, University of California, San Francisco. He received B.S. degrees in chemistry and biology at Purdue University, West Lafayette, Indiana, and a Ph.D. degree in analytical chemistry at the University of Illinois, Champaign-Urbana, Illinois. He completed a postdoctoral fellowship in clinical chemistry at Hartford Hospital. He is certified by the American Board of Clinical Chemistry in Clinical Chemistry and Toxicological Chemistry. He has written five paperback books consisting of short stories designed to promote the value of the clinical laboratory to the general public.

TOPIC

Implementation of Pharmacogenomics into Routine Clinical Practice

Precision medicine promises to reduce the medical errors and improve the delivery of healthcare. Pharmacogenomics is a subset of precision medicine, that strives to produce the right drug at the right dose at the right time. Implementation of pharmacogenomics requires evidence in terms of making medical decisions that will increase therapeutic efficacy and decrease adverse events, education of caregivers, availability of testing platforms, and financial justification. Initially it was thought that pharmacogenomics could be used to optimize dosing for widely used drugs that had no alternatives. Today, the pharmaceutical industry has developed alternative drugs that do not require pharmacogenomic testing. Therefore, testing is used to replace current medications with novel drugs for patients.

Learning Objectives:

At the conclusion of this session, participants will be able to:

- 1) recite how medical decisions are made with pharmacogenomic test results
- 2) understand the importance of medical education
- 3) learn about the strategies for implementing pharmacogenomic tests
- 4) know the drug targets for pharmacogenomics



Avec la collaboration de la SQBC

Mardi, le 7 novembre à 12h30

CRCHUM, salle R05-210, 900 Rue Saint-Denis, Montréal