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LECTURE SERIES & WORKSHOPS
CANCER RESEARCH

07
DEC 2017
Thursday

LECTURE*
📍 **UniLU** *Belval Campus*
Maison du Savoir
2, av. de l'Université
Light lunch provided after the lecture

11.00 - 12.00 pm

| 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 |

*Please register sending a mail to
florence.henry@lih.lu

DEPLOYING LOW-COVERAGE WHOLE GENOME SEQUENCING IN THE PRACTICE: A TRANSLATIONAL JOURNEY FROM BIOINFORMATICS RESEARCH TO CLINICAL TEST

ABSTRACT

Low-Coverage Whole Genome Sequencing (LC-WGS) has recently be implemented in clinical laboratories at Mayo is one of the sequencing protocols that has been translated into clinical applications. The first successful test is the Non-Invasive Prenatal Test that is becoming routinely used to fetal trisomy detection. Other clinical applications are underway. I will describe the analytical workflows put in place to analyze LC-WGS data and report trisomy. I will also describe how the analytics has been extended to the stratification of ovarian tumors. This new application of LC-WGS is currently being translated into a clinical test.

SPEAKER
Prof. Jean-Pierre KOCHER
Director of the Data Science and Bioinformatics Programmes at Mayo Clinic, Chair of the Division of Biomedical Statistics and Informatics,
Vice Chair of the Department of Health Sciences Research at Mayo Clinic, Arizona (MCA) and Associate Chair of the Department of Biomedical Informatics at Arizona State University (ASU)

HOST:
Department of Oncology
RESPONSIBLE LIH SCIENTISTS:
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