

京都大学若手人材海外派遣事業 ジョン万プログラム
研究者派遣プログラム

英文成果報告書

○申請者情報

部 局 名 : University Hospital

職 名 : Assistant Professor

氏 名 : Yasufumi Matsumura

研究課題名 : Molecular analysis and control of clonal spread of drug-resistant
Enterobacteriaceae

渡 航 期 間 : July 15 2015 to June 30 2016

○渡航先情報

国 名 : Canada

研究機関名 : University of Calgary

研究室名等 : Department of Microbiology and Infectious Diseases

受入研究者名 : Prof. Johann D.D. Pitout

○渡航報告

During my stay in the University of Calgary, I belonged to both clinical laboratory centre and basic science laboratory. Therefore, I could get in touch with two different types of people and environment. The professor in the clinical lab has worldwide network of researchers. I was introduced some of them and could conduct an international study of carbapenemase-producing *Enterobacteriaceae*. I performed whole-genome sequencing of the isolates in the basic science laboratory and analyzed these using bioinformatics tools. The sequencing was done in collaboration with some researchers and I shared some knowledge about bioinformatics with them. I presented the study results in the largest international congress in the USA and met some international researchers related to the project. I believe that these experiences have enhanced my knowledge and understanding of clinical laboratory medicine and network of researchers.

別添図 : World distribution of IMP and VIM-producing *Enterobacteriaceae*

