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Protocol Title: Metabolomic incompatibility between donor and recipient in liver

transplantation predicts early allograft dysfunction

CGMH IRB No.: 103-5859A3

Principal Investigator: Prof. Yu, Huang-Ping

Co-Investigator: Dr. Tsai, Hsin-I

Protocol Version: 2015/01/06 version 2

Informed Consent Form Version: 2015/01/06 Version 3

, was approved by the Institutional Review Board (the "IRB") of Chang Gung Medical Foundation on 2015-03-10. The IRB is organized and operates according to Good Clinical Practice and the applicable laws and regulations.

Sincerely Yours,

Tsang-Tang Hsieh, M.D.

Chairman

Institutional Review Board

Chang Gung Medical Foundation

T. I. Ilsuch