

Somchai Amornyotin, MD
Siriraj Hospital, Mahidol University
Bangkok 10700, Thailand
Email: somchai.amo@mahidol.ac.th

Kusum K Kharbanda, PhD
University of Nebraska Medical Center
Omaha, NE 68105, United States
Email: kkharbanda@unmc.edu

Tsutomu Nishida, MD, PhD
Toyonaka Municipal Hospital
Toyonaka 560-8565, Osaka, Japan
Email: tnishida@gh.med.osaka-u.ac.jp

Editors-in-Chief, World Journal of Gastrointestinal Pathophysiology

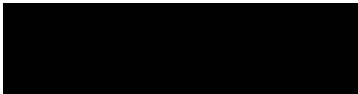
Biostatistics Review Certificate

I, Dr. Christopher Murphy, Vice President of Research and Development at Adiso Therapeutics, Inc., certify that the bioinformatics and statistical analyses relating to all animal-related research, as described within the following manuscript, were performed and verified by me:

“The Novel, Non-colonizing, Single-strain Live Biotherapeutic Product, ADS024, Protects Against Clostridioides difficile Infection Challenge In Vivo”

If any additional information is required, please contact me via the email details listed below.

Thank you,



Dr. Christopher Murphy Adiso Therapeutics, Inc.
530 Virginia Road, Suite 300
Concord, MA 01742

Email: cmurphy@adisotx.com

Somchai Amornyotin, MD
Siriraj Hospital, Mahidol University
Bangkok 10700, Thailand
Email: somchai.amo@mahidol.ac.th

Kusum K Kharbanda, PhD
University of Nebraska Medical Center
Omaha, NE 68105, United States
Email: kkharbanda@unmc.edu

Tsutomu Nishida, MD, PhD
Toyonaka Municipal Hospital
Toyonaka 560-8565, Osaka, Japan
Email: tnishida@gh.med.osaka-u.ac.jp

Editors-in-Chief, World Journal of Gastrointestinal Pathophysiology

Biostatistics Review Certificate

I, Dr. Michelle O'Donnell, Research Support Officer – Lab Manager at APC Microbiome Ireland, University College Cork, certify that the bioinformatics and statistical analyses relating to 16S sequencing and the micro-Matrix, as described within the following manuscript, were performed and verified by me:

*“The Novel, Non-colonizing, Single-strain Live Biotherapeutic Product, ADS024, Protects Against *Clostridioides difficile* Infection Challenge In Vivo”*

If any additional information is required, please contact me via the phone or email details listed below.

Thank you,

A handwritten signature in black ink, reading "Michelle O'Donnell". The signature is fluid and cursive, with the first name "Michelle" and the last name "O'Donnell" clearly distinguishable.

Dr. Michelle O'Donnell
APC Microbiome Ireland
University College Cork
Cork, T12 K8AF, Ireland

Phone: +353-25-42629
Email: modonnell@adisotx.com