



Certificate of Biostatistics

August 2, 2018

To whom it may concern,

Title of Study: Temporal clinical, proteomic, histological and cellular immune responses of DSS-induced acute colitis

Principal Investigator: Dr. Joseph Alan Frank

Chief, Senior Investigator
Frank Laboratory
Laboratory of Diagnostic Radiology Research
Radiology and Imaging Sciences
Clinical Center
Adjunct Senior Investigator
National Institutes of Biomedical Imaging and Bioengineering
National Institutes of Health

This letter is to confirm that I have reviewed the ethics application prepared for this study, and that in my opinion the statistical methods and techniques mentioned are appropriate for the research.

Please contact me if you have any inquiries.

Sincerely,

A handwritten signature in black ink, reading "Joseph A. Frank", is written over a horizontal line.

Joseph A. Frank, MD
Senior Investigator
National Institutes of Health