

## Certificate of Biostatistics

**27 July, 2018**

To whom it may concern

**Title of Study:** “Differential expression of mucin 1 (MUC1) and MUC2 in colorectal cancer” send to “*World Journal of Gastroenterology*”.

Chief investigator: Aldona Kasprzak, Ph, MD, Prof.  
Department of Histology and Embryology, Poznan University of Medical Sciences, Poznań, Poland

This letter is to confirm that I have read 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 queries.

Sincerely,



Elżbieta Kaczmarek, PhD, Prof.,

Head of the Department of Bioinformatics and Computational Biology, Chair of Pathology, Poznan University of Medical Science; Coll. Adama Wrzoska, Dabrowski Street 79, 60-529 Poznan, Poland; Telephone: +48 (61)8546909; [elka@ump.edu.pl](mailto:elka@ump.edu.pl)