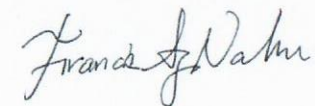


Certificate of Statistical Review

This document certifies that the paper listed below has been reviewed by an expert with a master's degree in statistics . The statistical method is clear and free of errors. The methods of statistical analysis and the descriptions were also checked during the reviewing process.

- **The Title of the Paper: Ameliorating liver fibrosis in an animal model using the secretome released from miR-122-transfected adipose-derived stem cells**
- **Authors: Kee-Hwan Kim, Jae Im Lee, Ok-Hee Kim, Ha-Eun Hong, Bong Jun Kwak, Ho Joong Choi, Joseph Ahn, Tae Yun Lee, Sang Chul Lee, Say-June Kim**

Francis Sahngun Nahm, MD/PhD



Date of issue: Aug 15, 2019

[AUTHENTICATION NO : XD3C-3796-5198-3904]



Korea National Open University

86 Daehakro, Jongno-gu,
Seoul 03087, Rep. of Korea

Date : August 14, 2019

File No. 062019H-0260211

CERTIFICATE OF GRADUATION

Name In Full : FRANCIS SAHNGUN NAHM
Date Of Birth : April 03, 1973
Student Number : 200435-371361
Date Of Admission : March 02, 2004
Date Of Graduation : August 31, 2006
Major(s) : DATA SCIENCE AND STATISTICS
Double Major : ***
Degree Awarded : BACHELOR OF SCIENCE

THIS IS TO CERTIFY THAT THE PERSON NAMED ABOVE GRADUATED FROM
KOREA NATIONAL OPEN UNIVERSITY.

A handwritten signature in black ink, reading 'Su Noh Ryu', is written over a horizontal line.

President

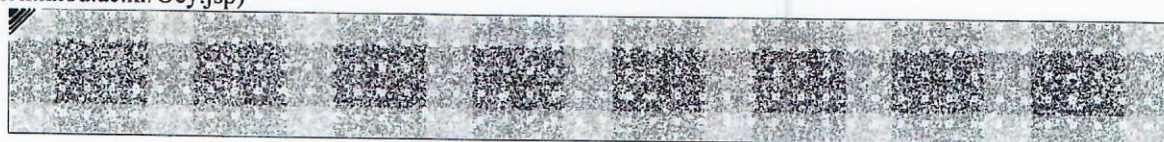
Su Noh Ryu

*** REMARK**

The University was renamed KNOU from the original
KACU (Korea Air and Correspondence University) in Nov.1994.

COURSE : 4-YEAR BACHELOR'S DEGREE COURSE

* This certificate was issued through an e-issuing system. Verification of authenticity is available within 90 days after the date of issue.
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[AUTHENTICATION NO : XD94-4D12-4456-6784]



Korea National Open University

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Seoul 03087, Rep. of Korea

Date : August 14, 2019

File No. 062019G-0005396

Certificate of Degree Status

Name : FRANCIS SAHNGUN NAHM

Date of Birth : April 03, 1973

Course : Special Graduate School for MA Degree

Department : Department of Bioinformatics and Statistics

Major : Bioinformatics

Date of Degree Awarded : August 24, 2016

Type of Degree : Master of Science(Statistics)

Degree Registration Number : 2016-1(MA)236

This is to certify that the above mentioned person was awarded a Masters in
Department of Bioinformatics and Statistics of Graduate School at Korea National Open
University.

A handwritten signature in black ink, reading "Su Noh Ryu", is positioned above a horizontal line.

President

Su Noh Ryu

*** REMARK**

The University was renamed KNOU from the original
KACU (Korea Air and Correspondence University) in Nov.1994.

* This certificate was issued through an e-issuing system. Verification of authenticity is available within 90 days after the date of issue.
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