

MOLECULAR REPRODUCTION, DEVELOPMENT AND GENETICS

INDIAN INSTITUTE OF SCIENCE



CERTIFICATE OF THE EXTERNAL GUIDE

This is to certify that the dissertation entitled **Knockout Of Polycomb Group Protein Embryonic Ectodermal Development In Extra Endodermal Cells** submitted by **Rayees Ahmad Nanwaie (Enrolment No: 17057119026)** to department of clinical Biochemistry , University of Kashmir, Srinagar in partial fulfilment of the requirement for the award of the degree of Master's in Clinical Biochemistry is a record of work carried by him under my supervision (**Dr Srimonta Gayen**), Associate Professor, MRDG Unit, IISc, Bangalore. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any Degree or Diploma.

Srimonta Gayen

Dr Srimonta Gayen

Assistant Professor

Molecular Reproduction, Development and Genetics

Indian Institute of Science, Bengaluru-560012



CERTIFICATE OF EXTERNAL GUIDE

This is to certify that the dissertation entitled **“IDENTIFICATION OF NOVEL NON-HISTONE METHYLATIONS BY EUKARYOTIC HISTONE METHYLTRANSFERASES”** is submitted by Mr. **SHAIKH ANAITULLAH**, En. No: 1705719028 to the Clinical biochemistry department, School of Biological science, Kashmir University, Srinagar in partial fulfilment of the requirements for the Degree of M.Sc. Clinical Biochemistry is a record of work carried out by him under my supervision of **Dr. SHRAVANTI RAMPALLI** at **Institute for Stem Cell Science and Regenerative Medicine (InStem), Bangalore**. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any Degree or Diploma.

R. Shrivanti
14/06/2019.

Signature of the External Guide

Dr. Shravanti Rampalli,

Assistant Investigator,

Institute for Stem Cell Science and Regenerative Medicine (InStem),

Bangalore.



DEPARTMENT OF CHEMISTRY AND BIOLOGY, INDIAN INSTITUTE OF
SCIENCE EDUCATION AND RESEARCH PUNE - 411008, INDIA.

CERTIFICATE

This is to certify that the dissertation entitled “RNA Recognition Mode of TRBP2 VS TRBP1” comprises of research work carried out by Miss Shaira Ismail under my supervision at the Department of chemistry and biology, Indian Institute of Science Education And Research during the period January 2019 to June 2019 towards the partial fulfillment of Masters of Science in Clinical Biochemistry (University of Kashmir). This work is original and has not been done earlier by anyone else. The results presented in this report, in whole or part has not been submitted elsewhere for any other academic degree.

Jeetender

Dr Jeetender Chugh

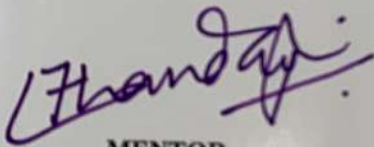
Assistant professor

Department of Chemistry & Biology,

Indian Institute of Science Education & Research PUNE (411008).

CERTIFICATE OF THE GUIDE

This is to certify that **Furqana Fayaz**, student of M.Sc. clinical biochemistry, University of Kashmir, has successfully completed her project work entitled "**TO STUDY THE EFFECT OF CYTOCHALASIN D ON ALPHA 1 SYNTROPHIN EXPRESSION IN BREAST CANCER CELLS.**" in this department for a period of 6 months.



MENTOR

Firdous A. Khanday
Dept. of Biotechnology
University of Kashmir



HEAD

Professor Khurshid Andrabi
Dept. of Biochemistry
University of Kashmir



राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
NATIONAL INSTITUTE OF IMMUNOLOGY

This is to certify that Ms Qurat ul Quadir, M. Sc. student of Department of Clinical Biochemistry, University of Kashmir, Srinagar has carried out the work on the project entitled "Expression and purification of epsilon toxin domain of *Clostridium perfringens*" under my supervision and guidance at the National Institute of Immunology, New Delhi from January, 2019 to June, 2019.

Dr. Lalit C. Garg, FNA
Senior Scientist,
Gene Regulation Laboratory,
National Institute of Immunology,
New Delhi 110067

**Molecular Biophysics Unit, Indian Institute of Science,
Bangalore- 560012, India**



CERTIFICATE

This is to certify that the dissertation entitled “Efficient mapping of protein-protein contacts *in vitro* through cysteine labelling” submitted by Mubashir Rasool Bhat, to the University of Kashmir, for the degree masters of science is based on the results of experiments and investigations carried out by her under my supervision and guidance at Indian Institute of Science, Bangalore. This is also to clarify that the above said work has not been previously submitted for an award of any degree, diploma or fellowship in any Indian or foreign university.

Rdjr

Professor of Molecular Biophysics
Indian Institute of Science
Bangalore - 560 012

Prof. Raghavan Varadarajan

Signature of the Principal Investigator

Molecular Biophysics Unit,
Indian Institute of Science, Bangalore- 560012, India



CERTIFICATE

This is to certify that the dissertation entitled **Spectroscopic analysis of RNA polymerase using F17W ω mutant** submitted by Nisa Manzoor Shah, to the University of Kashmir, for the degree masters of science is based on the results of experiments and investigations carried out by her under my supervision and guidance at Indian Institute of Science, Bangalore. This is also to clarify that the above said work has not been previously submitted for an award of any degree, diploma or fellowship in any Indian or foreign university.

Prof. Dipankar Chatterji
PROJECT INVESTIGATOR
Signature of the Principal Investigator
Molecular Biophysics Unit
Indian Institute of Science
Bangalore - 560 012.



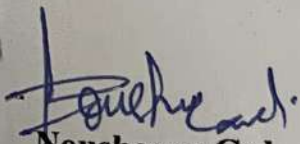
School of Life Sciences

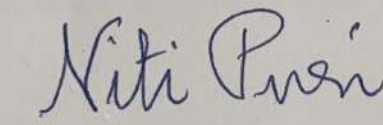
JAWAHARLAL NEHRU UNIVERSITY

NEW DELHI 110067, INDIA

CERTIFICATE OF THE GUIDE

Certified that the project work, which is being carried out by **Nousheena Gul (M.Sc. Clinical Biochemistry)**, entitled “ **To Confirm the Cloning Of Wild Type Rat SNAP-23 in EGFP2 plasmid by restriction digestion analysis**” in partial fulfilment for the degree of **Masters of Clinical Biochemistry** Submitted to Department of clinical Biochemistry University of Kashmir was carried out under my guidance at School of life sciences , Jawaharlal Nehru University, New Delhi.


Nousheena Gul
(Candidate)


Dr Niti Puri
(Supervisor)

Assistant professor

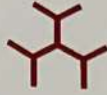
Department of School of life sciences

Jawaharlal Nehru University,

New Delhi

20-06-2019

Dated:



राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान

जैव प्रौद्योगिकी विभाग, विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान

NATIONAL INSTITUTE OF IMMUNOLOGY

An Autonomous Research Institute of the Department of Biotechnology, Ministry of Science and Technology
Government of India

CERTIFICATE

This dissertation entitled "**Analysis of anti-Salmonella antibody response in humans**" submitted by **Rabiya Nabi** in partial fulfilment of the degree of **M.Sc. in Clinical Biochemistry, University of Kashmir**, comprises work done by her in the Hybridoma Laboratory at the National Institute of Immunology, New Delhi.

Ayub Qadri

Hybridoma Laboratory


डॉ. अयूब कादरी / Dr. Ayub Qadri
स्टाफ वैज्ञानिक / Staff Scientist
राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
NATIONAL INSTITUTE OF IMMUNOLOGY
अरुणा आसफ अली मार्ग / Aruna Asaf Ali Marg
नई दिल्ली-110 067 / New Delhi - 110 067

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN
GENETICS, SHER-I-KASHMIR INSTITUTE OF MEDICAL
SCIENCES, SOURA, SRINAGAR**



Certificate

This is to certify that the work in this dissertation entitled **“Role of MTHFR Gene 1793 G/A Single Nucleotide Polymorphism in pathogenesis of Graves’ disease patients in Kashmir valley”** is a bonafide work of **Mr. Mohsin Manzoor** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.


Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS H.O.D

Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar

अखिल भारतीय आयुर्विज्ञान संस्थान
अंसारी नगर, नई दिल्ली-110608
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110608



शरीरमाद्यं खलु धर्मसाधनम्

दूरभाष / Tel. No. : (+91-11) 26594832

(UG) : 26594365

(PG) : 26593230

फैक्स / Fax : 26589766, 26588663

ईमेल / Email : reg@aiims.ac.in

aiims.reg@gmail.com

No.F.10-20/2019.Acad.II

Dated: 27.05.2019

Certificate

This is to certify that

Mr. Shouib Mohammad

has completed

Short Term Training

In

the department of

Biochemistry

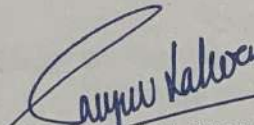
From

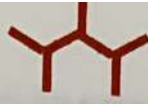
15th January, 2019 to 27th May, 2019

at this Institute

N.B.:

This Certificate will not be used
on Letter Heads, Visiting Cards,
Name Plates etc. by the trainees.


(DR. SANJEEV LALWANI)
REGISTRAR



राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
NATIONAL INSTITUTE OF IMMUNOLOGY

CERTIFICATE

This is to certify that **Ms. Tabiya Qayoom Wani** a bonafide student of University of Kashmir has successfully carried out her project work titled "**A freeze-thaw method for solubilization of recombinant human growth hormone expressed as bacterial inclusion bodies**" under the supervision of **Dr. Amulya K Panda** during her stay at National Institute of Immunology (NII), New Delhi from 9th Feb, 2019 to 18th June, 2019.

Dr. Amulya K. Panda डॉ. अमूल्य कु. पैडा / Dr. Amulya K. Panda
निदेशक / Director

Director and Staff Scientist
राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
National Institute of Immunology
अरुणा आसफ अली मार्ग / Aruna Asaf Ali Marg
नई दिल्ली-110 067 / New Delhi - 110 067

New Delhi-110067

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN
GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled “**Role of MTHFR 677 C/T (rs1801133) single nucleotide polymorphism in etiopathogenesis of Graves’ disease in Kashmir valley**” is a bonafide work of **Ms. Tanzeela Bhat** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS
Dr. Dil Afroze

HOD

Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar

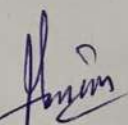



DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE
SHER-I- KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA, SRINAGAR

CERTIFICATE

This is to verify that the study entitled **“Relationship between deleted in colorectal carcinoma (DCC VNTR) polymorphism and gallbladder cancer”** is a bonafide work of **Ms. TASEENA RASHID** and was conducted in the Cancer Diagnostics and Research Centre (CDRC), Department of Immunology and Molecular Medicine, Sher-i-Kashmir Institute of Medical Science, Soura Srinagar, under the supervision and entire satisfaction. This work has not been previously submitted for reward of any degree, diploma, fellowship or any other similar distinction.

It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my behalf.


Head & Supervisor
DR. ZAFAR AMIN SHAH
Dr. Zafar Amin Shah
Professor & Head
Deptt. Of Immunology & Mol. Med
SKIMS, Srinagar
Dept. of Immunology & Molecular
Medicine
SKIMS, Soura, Srinagar.


Supervisor
Dr. Manzoor Ahmad Malik
Assistant Professor
Cancer Diagnostics & Research Centre
Dept. of Immunology & Molecular
Medicine
SKIMS, Soura, Srinagar.

**Molecular Biophysics Unit, Indian Institute of Science,
Bangalore- 560012, India**



CERTIFICATE

This is to certify that the dissertation entitled “Residue specific contributions to the formation of 6HB in gp41 subunit of HIV-1 envelope inferred from saturation mutagenesis” submitted by Tehleen, to the University of Kashmir, for the degree masters of science is based on the results of experiments and investigations carried out by her under my supervision and guidance at Indian Institute of Science, Bangalore. This is also to clarify that the above said work has not been previously submitted for an award of any degree, diploma or fellowship in any Indian or foreign university.

Rdy

Professor of Molecular Biophysics
Indian Institute of Science
Bangalore - 560 012

Prof. Raghavan Varadarajan

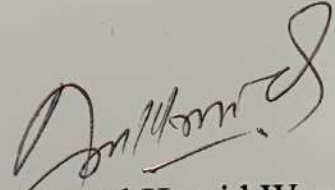
Signature of the Principal Investigator

DEPARTMENT OF BIOTECHNOLOGY
UNIVERSITY OF KASHMIR
Srinagar190006



TO WHOM IT MAY CONCERN

This is to certify that this Dissertation report titled “Studying the role of protein kinase CK2 in chromatin organization” comprises the work done by “GAZALA NAZIR” under my supervision at the Department of Biotechnology, University of Kashmir from January 2018 to June 2019 for the partial fulfillment of Masters of Science in Clinical Biochemistry (4th semester).


Dr. Ajaz ul Hamid Wani
SUPERVISOR



Department of Biochemistry

Govt. Medical College Srinagar

Karan-Nagar, Srinagar, Jammu & Kashmir, India-190010

(Research Centre of University of Kashmir)

Tel: Off: 0194-2453114; 2453115; 2452013ext. 595 FAX: 0194-2453115, Mob: 9797873511; 9622220953,
Email: zululubaba@gmail.com, sabumajid@yahoo.com, <http://www.gmcs.edu.in>

CERTIFICATE

This is to certify that the study entitled "*Status of Serum Electrolytes, lipid and thyroid profile in Type II Diabetes Mellitus in Kashmir Valley India*" is an original and independent work of *Ms. Anjum Nisa* submitted to the Department of Clinical Biochemistry, University of Kashmir, Hazratbal, Srinagar for the partial fulfillment of Masters degree in Clinical-Biochemistry. She has done her work under our guidance and supervision in the Department of Biochemistry, Govt. Medical College Srinagar, Karan-Nagar, Srinagar, Jammu & Kashmir, India-190010. The work undertaken by her has not been previously submitted for award of any degree, diploma, fellowship or other similar distinction from this institution.

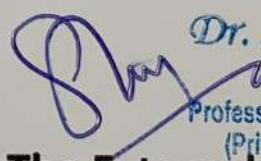
Prof (Dr.) Sabhiya Majid
Head of the Department
Department of Biochemistry
Govt. Medical College, Srinagar
(Supervisor)

Professor & Head



CERTIFICATE OF EXTERNAL GUIDE

This is to certify that the dissertation entitled “ **INSULIN INDUCED LIPODYSTROPHY AMONG TYPE 1 AND TYPE 2 DIABETIC PATIENTS IN KASHMIR**”, is subtitled by **MR ASIF HASSAN** En. No **17057119002** to the Clinical Biochemistry Department , School of Biological Science , University of Kashmir Srinagar in partial fulfilment of requirement for the degree of M Sc Clinical Biochemistry is a record of work carried out by him under my supervision of **DR SHARIQ RASHID MASOODI , PROFESSOR ENDOCRINOLOGY DEPARTMENT at SHER E KASHMIR INSTITUTE OF MEDICAL SCIENCE , SOURA SKIMS**.The contents of this dissertation in full or in parts , has not been submitted by any other institutions for the award of Degree or Diploma.


Dr. Shariq Masoodi
MD, DM, FACP, FRCP
Professor of Endocrinology, SKIMS
(Principal Investigator, YDR)

Signature of The External Guide,

Dr Shariq Rashid Masoodi,

Investigator ,

Sher e Kashmir Institute of Medical Sciences,

Srinagar.



SPECIAL CENTRE FOR MOLECULAR MEDICINE

JAWAHARLAL NEHRU UNIVERSITY

NEW DELHI 110067, INDIA

CERTIFICATE OF THE GUIDE

Certified that the project work, which is being carried out by **AZRA AMIN (Enrolment No: 17057119003)** to the department of **Clinical Biochemistry, University of Kashmir** entitled "**Cloning, expression and purification of Prefoldin subunit 6 of *Plasmodium falciparum***" in partial fulfilment for the degree of **Masters of clinical Biochemistry** submitted to Department of Clinical Biochemistry, University of Kashmir was carried out under my guidance at Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi. The work presented is original and has not been submitted in part or fulfilment of any degree or diploma to any other university or institute.

Candidate: Azra Amin

Signature: *Azra Amin*

Dr. Shailja Singh
Associate Professor
Special Centre for Molecular Medicine
Jawaharlal Nehru University, Delhi-110067

Dr. Shailja Singh

Associate Professor

**Special Centre for Molecular Medicine
Jawaharlal Nehru University, New Delhi**

MOLECULAR REPRODUCTION, DEVELOPMENT AND GENETICS

INDIAN INSTITUTE OF SCIENCE



CERTIFICATE OF THE EXTERNAL GUIDE

This is to certify that the dissertation entitled “**Cloning, expression and purification of eIF4B truncations in *Saccharomyces cerevisiae***” is submitted by **Mr. Fayaz Ahmad Lone**, En. No : 1705719005 to the Clinical Biochemistry Department, School of Biological science, Kashmir university, Srinagar in partial fulfilment of the requirements for the degree of M.Sc. (Clinical Biochemistry) is a record of work carried by him under my supervision (**Dr. Tanweer Hussain**, Assistant Professor, MRDG, IISc, Bangalore). The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any Degree or Diploma.

Signature of the Guide

TANWEER HUSSAIN

Assistant Professor

E-mail: hussain@iisc.ac.in

Tel: +91 (0) 80-2293 3262

Dr. TANWEER HUSSAIN
Assistant Professor
Molecular Reproduction, Development & Genetics
Indian Institute of Science
Bangalore - 560 012, India



I hereby declare that the relationship between Glutathione-S-Transferase (M1&T1) polymorphism and susceptibility to Kidney Valley comprises the original work done by me under the supervision of Dr. Manzoor Ahmad Malik, Assistant Professor Soura Kashmir.

DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE

HASSINA AKHTAR

S. K. INSTITUTE OF MEDICAL SCIENCES, SRINAGAR

M.Sc Student

CERTIFICATE

Clinical Biochemistry

This is to verify that the study entitled **“Relationship between Glutathione-S-Transferase (M1&T1) and Cholelithiasis susceptibility in Kashmir Valley”** is a bonafide work of **HASSINA AKHTAR** and was conducted in the Cancer Diagnostics and Research Centre (CDRC), Department of Immunology and Molecular Medicine, Sher-i-Kashmir Institute of Medical Science, Soura Srinagar, under the supervision and entire satisfaction. This work has not been previously submitted for reward of any degree, diploma, fellowship or any other similar distinction. It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my behalf.

Head & Supervisor

DR. ZAFAR AMIN SHAH

Dr. Zafar Amin Shah

Professor & Head
Deptt. of Immunology & Mol. Med
SKIMS, Srinagar

Dept. of Immunology & Molecular Medicine

SKIMS, Srinagar

Supervisor

Dr. Manzoor Ahmad Malik

Assistant Professor
Immunology & Mol. Medicine
SKIMS, SOURA

Cancer Diagnostics and Research Centre


Dept. of Immunology & Molecular Medicine

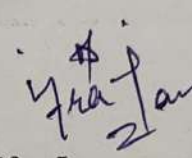
SKIMS, Srinagar


19.

CERTIFICATE OF THE GUIDE

Certified that the project work, entitled "Subcellular distribution of 78 and 35 kDa variants of SG2NA in NIH3T3 and MCF-7 cells" was carried out by **Ifra Jan** under my guidance at School of Life Sciences, Jawaharlal Nehru University, New Delhi. This report is being submitted in partial fulfillment for the degree of **Masters of Clinical Biochemistry**, Department of Clinical Biochemistry, University of Kashmir.


Shyamal K. Goswami
Professor, School of Life Sciences,
Jawaharlal Nehru University
New Delhi 110067


Ifra Jan
Masters of Clinical Biochemistry
Department of Clinical Biochemistry
University of Kashmir


Shyamal K. Goswami Ph.D.,
Professor School of Life Sciences
Jawaharlal Nehru University
New Delhi - 110067, India

**ADVANCED CENTRE FOR HUMAN GENETICS
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



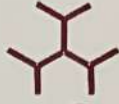
Certificate

This is to certify that the work in this dissertation entitled **“Role of FOX p3 2383 C>T SNP in the pathogenesis of Gastric Cancer in Kashmir Valley”** is a bonafide work of **Ms. Insha Ismail** and has been carried out under my guidance and supervision in the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Science, Soura, Srinagar.

It is further certified that no work under this heading has previously been submitted to the University of Kashmir for the award of any degree, diploma, fellowship or any other similar distinction to the best of my belief.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS

Dr. Dil Afroze
Professor & Head
Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Science
Soura, Srinagar



राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान

जैव प्रौद्योगिकी विभाग, विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान

NATIONAL INSTITUTE OF IMMUNOLOGY

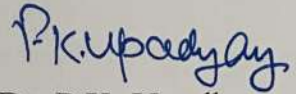
An Autonomous Research Institute of the Department of Biotechnology, Ministry of Science and Technology
Government of India

CERTIFICATE

This is to certify that the thesis work entitled "Investigating the Immunological properties of reprogrammed monocytes" has been carried out by Ms. Ishrat Ashraf during February 2019 - June 2019, to be submitted to the Department of Clinical Biochemistry, University of Kashmir, Srinagar, 190006 J&K, in the partial fulfilment of the requirements for the Degree of MSc, in Clinical Biochemistry. The content of the thesis embodies results of original work and studies carried out by the student herself. The contents of the thesis do not form the basis for the award of any other degree to any other candidate from this or any other university. The contents of the work are original and have been carried out under my supervision in National Institute of Immunology, New Delhi.

Date 17 June 2019

Supervisor


Dr. P.K. Upadhyay

प्रमोद उपाध्याय, पीएच डी. / Pramod Upadhyay, Ph. D.
वैज्ञानिक / Scientist
राष्ट्रीय प्रतिरक्षा विज्ञान संस्थान
NATIONAL INSTITUTE OF IMMUNOLOGY
अरुणा आसफ अली मार्ग / Aruna Asaf Ali Marg
नई दिल्ली-110067 / New Delhi-110067

अरुणा आसफ अली मार्ग, नई दिल्ली-110067, दूरभाष (ईपीएबीएक्स): 011-26162121-45 और 26717010-19
फैक्स : 091-11-26742125, 26742626; तार : IMMUNOLOGY; वेबसाइट: www.nii.res.in
Aruna Asaf Ali Marg, New Delhi - 110067; Telephones(EPABX):011-26717121-45 & 26717010-19
Fax: 091-11-26742125, 26742626; Grams : IMMUNOLOGY; Website : www.nii.res.in

Modify Title.



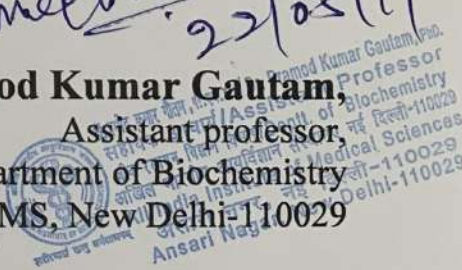
Department of Biochemistry
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
Ansari Nagar, New Delhi – 110029

CERTIFICATE

This is to certify that the thesis entitled “PGEX2-T Based β Defensin Primer Designing and Isolation, Purification and Characterization of Neutrophil, Macrophage, Bone Marrow and mesenchymal Stem Cells from Swiss Albino Mice” comprises the original work done by Mr. Jehangir Shah Syed Bukhari bearing Roll No. 17057119013 under our supervision and guidance in the Department of Biochemistry, All India Institute of Medical Sciences, New Delhi, India w.e.f. 01-01-2019 to 30-06-2019. He is sincere, hardworking and well-behaved student. I wish him success in the life.

Supervisor
Pramod Kumar Gautam
22/05/19

Dr. Pramod Kumar Gautam,
Assistant professor,
Department of Biochemistry
AIIMS, New Delhi-110029





भारतीय समवेत औषध संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)

केनाल रोड, जम्मू - 180001

Indian Institute of Integrative Medicine

(Council of Scientific & Industrial Research)

Canal Road, Jammu - Tawi - 180 001 (INDIA)

Fayaz A Malik ⁷⁶²⁷

15/07/2019

To whom it may Concern

This is to certify that Kinza Ajaz has worked in the division of Cancer Pharmacology of Indian Institute of Integrative Medicine (IIIM) Sanat Nagar Srinagar as a project trainee for six months under the supervision of Dr. Fayaz A Malik. During this period she has worked on the research project entitled "Screening of Small Molecules as Neuroprotective agents against Corticosterone Induced impairment in depression based cell models". The work done by Kinza Ajaz under this project has not been published previously or submitted for the award of degree, diploma, fellowship or any other similar distinction. It is further certified that no work under this heading from CSIR-IIIM has previously submitted to University of Kashmir for the award of any degree or diploma to the best of my belief.

Sincerely

Fayaz Malik Ph.D

Pr. Scientist

CSIR-Indian Institute of Integrative Medicine

Jammu, 180001 INDIA.

Email: fmalik@iiim.ac.in

Fayaz Malik, Ph.D
Indian Institute of Integrative Medicine
Canal Road, Jammu-180001

**Department of Advanced Centre for Human Genetics
Sher-i-Kashmir Institute of Medical Sciences,
Soura, Srinagar, Kashmir**



Certificate

This is to certify that the work in this dissertation entitled **“Role of ACE gene insertion/deletion (I/D) polymorphic sequence variations in patients with Deep Vein Thrombosis (DVT) in Kashmir valley”** is a bonafide work of Ms. Mehnaz Jan and has been carried out under my guidance and supervision in the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar. It is further certified that no work under this heading has previously been submitted to the University of Kashmir for the award of any degree, diploma, fellowship or any other similar distinction to the best of my belief.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
Dr. Dil-Afroze

Professor and Head

Advanced Centre for Human Genetics
Sher-i-Kashmir Institute of Medical Science
Soura, Srinagar



**DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE
SHER-I- KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA, SRINAGAR**

CERTIFICATE


This is to verify that the study entitled "To study the role of genetic variants of deleted in colorectal carcinoma (DCC rs714 A>G) polymorphisms in gallbladder cancer in Kashmir Valley" is a bonafied work of Mr. Mohammad Amjad Hussain and was conducted in the Cancer Diagnostics and Research Centre (CDRC), Department of Immunology and Molecular Medicine, Sher-i-Kashmir Institute of Medical Science, Soura Srinagar, under the supervision and entire satisfaction. This work has not been previously submitted for reward of any degree, diploma, fellowship or any other similar distinction.

It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my behalf.


Head of Department

Dr. Zafar Amin Shah
Prof. & Head

Dept. of Immunology & Molecular Medicine
SKIMS, Soura, Srinagar.


Supervisor

Dr. Manzoor Ahmad Malik
Assistant Professor
11.7.19
Dept. of Immunology & Molecular Medicine
SKIMS, Soura, Srinagar.