

**DEPARTMENT OF BIOCHEMISTRY
UNIVERSITY OF DELHI SOUTH CAMPUS**

M.Sc. (Biochemistry) (Semester III) 2018

Seminar Topics

S.No.	Student	Topic
1.	Jyotsna Verma	FOXO1 and its potential as an anti-cancer target.
2.	Parul Garg	Cul4A and its modulation by viruses.
3.	Neelam	ADP ribosylation factor like proteins (ARLs) as emerging therapeutic targets: the current status
4.	Nidhi Mittal	Artificial Oxygen Carriers For Blood Transfusions : Recombinant Hemoglobin Based Substitutes and Stem Cell Based Solutions
5.	Rahul Kumar Verma	The role of M.tb lipoprotein A in host-pathogen interaction.
6.	Pratyaksh Arora	Promoter elements in <i>Mycobacterium tuberculosis</i> and their regulation
7.	Shruti Chopra	The role of enzyme NagA in the survival and pathogenesis of <i>Mycobacterium tuberculosis</i>
8.	Tushar	Application of Next Generation Sequencing in Antibody discovery
9.	Shrishti Sharma	Protein Based Diagnostics for <i>Mycobacterium tuberculosis</i>
10.	Simra	Next generation sequencing for <i>Mycobacterium tuberculosis</i> diagnostics
11.	Sushma Kumari	Molecular detection of <i>Mycobacterium tuberculosis</i>
12.	Sakshi Gautam	Toxin-antitoxin loci – Understanding the hlyBA locus

Mentor

Prof. Alo Nag

Prof. Alo Nag

Prof. Suman Kundu

Prof. Suman Kundu

Dr. Gaurav Khare

Dr. Amita Gupta

Dr. Gaurav Khare

Prof. V.K. Chaudhary

)

Prof. Amita Gupta & Prof. Chaudhary

Dr. Amita Gupta

 10/9/18
Prof. Suman Kundu

Head of the Department

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New Delhi-110021

**INVESTIGATING THE IMPLICATIONS
OF FOXM1-HB_x AXIS IN
HEPATOCELLULAR CARCINOMA
AND ITS INHIBITION STRATEGIES**

**M.Sc. dissertation submitted to the University of Delhi
towards the partial fulfilment for the award of the
degree of
Masters of Science (Biochemistry)**

2017-2019

Jyotsna Verma



**Department of Biochemistry
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New Delhi, India**

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Certificate

The research work embodied in this project report entitled **“INVESTIGATING THE IMPLICATIONS OF FOXM1-HBx AXIS IN HEPATOCELLULAR CARCINOMA AND ITS INHIBITION STRATEGIES”** was carried out by **Ms. JYOTSNA VERMA**, M.Sc. student (2017-2019) at the Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India, as part of her training towards the partial fulfilment for the degree of Master of Science (Biochemistry) at the University of Delhi.

Jyotsna
JYOTSNA VERMA
(Student)

Alo Nag
Prof. Alo Nag
(Supervisor)

Suman Kundu
Prof. Suman Kundu 24/5/19
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AN INVESTIGATION ON NOVEL INTERACTORS OF CULLIN-4A

**M.Sc. dissertation submitted to the University of Delhi towards the
partial fulfillment for the award of the degree of
Masters of Science (Biochemistry)**

2017-2019

Parul Garg



Department of Biochemistry,
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New Delhi, India

Department of Biochemistry

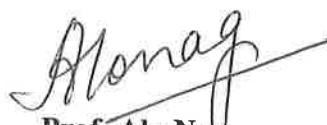
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Certificate

The research work embodied in this project report entitled “AN INVESTIGATION ON NOVEL INTERACTORS OF CUL4A” was carried out by Parul Garg, M.Sc. student (2017-2019) at the Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India, as part of her training towards the partial fulfillment for the degree of Master of Science (Biochemistry) at the University of Delhi.


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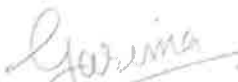
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23rd May 2019

Certificate

The research work embodied in this dissertation entitled "*Understanding the role of lipoprotein LprA in Mycobacterium tuberculosis*" was carried out by Mr. Rahul Kumar Verma, M.Sc. student (2019) at the Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India as part of her training for partial fulfillment towards the degree of Master of Science in Biochemistry at the University of Delhi.


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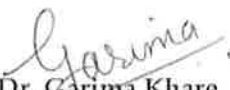
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The research work embodied in this dissertation entitled "**Generation of *nagA* knockout for understanding its role in *Mycobacterium tuberculosis***" was carried out by **Ms. Shruti Chopra**, M.Sc. student (2019) at the Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India as part of her training for partial fulfillment towards the degree of Master of Science in Biochemistry at the University of Delhi.


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Date: 27.05.19

CERTIFICATE

The research work embodied in this dissertation entitled “Validation of degenerate primers for antibody library construction and characterization of human antibody 1212” was carried out by Mr. Tushar, M.Sc. Student at Department of Biochemistry, University of Delhi South Campus (UDSC), Benito Juarez Road, New Delhi -110021, India, as a part of his training for the partial fulfilment towards the award of degree in **Master of Science in Biochemistry (2019)** at the University of Delhi.

All dry lab work was done under the supervision of Dr.Gopal Joshi while all the wet lab experiments were performed under the supervision of Dr. Vaishali Verma.

Tushar Kushwaha

**Tushar
(Candidate)**

Vijay K. Chaudhary

**Prof. Vijay K. Chaudhary
(Supervisor)**

Suman Kundu
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**Prof. Suman Kundu
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Date: 24-05-19

CERTIFICATE

The research work embodied in this dissertation entitled “**Isolation of genomic DNA from *Mycobacterium tuberculosis* for Whole-genome Sequencing and analysis of Next-generation Sequencing data**” was carried out by Ms. Simra, M.Sc. Student at **Department of Biochemistry, University of Delhi South Campus (UDSC)**, Benito Juarez Road, New Delhi -110021, India, as a part of her training for the partial fulfilment towards the award of degree in **Master of Science in Biochemistry (2019)** at the University of Delhi.

Simra
24/05/19

Simra
(Candidate)

Vijay K. Chaudhary

Prof. Vijay K. Chaudhary
(Supervisor)

Suman Kundu
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Prof. Suman Kundu
(Head)

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The lab work was done under the supervision of
Ph.D. Scholar Mr. Nikhil Bhalla

Simra



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Email: vkchaudhary@south.du.ac.in

MAY 2019

Certificate

The research work embodied in this dissertation entitled **“Cloning, Expression, purification and characterization of chikungunya E209 protein”** was carried out by Ms. Sushma Kumari, M.Sc. student at the Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India, as part of her training for partial fulfilment towards the degree of Master of Science (Biochemistry) of the University of Delhi.

Prof. Vijay K. Chaudhary
Supervisor

Prof. Suman Kundu 24/5/19

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• In thesis the following work was carried out by another Research scholar and was necessary for the completion of the work entitled here:

- Cloning of CHIKV-E209
- Purification of CHIKV-E209.

Sushma



UNIVERSITY OF DELHI SOUTH CAMPUS

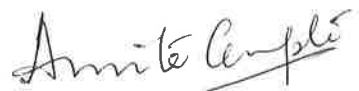
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CERTIFICATE

The research work embodied in this dissertation entitled “**CREATING KNOCKOUT MUTANT FOR Rv1954A GENE IN *Mycobacterium Tuberculosis* H37Rv** ” was carried out by **Ms. SAKSHI GAUTAM, M.Sc. Student** at Department of Biochemistry, University of Delhi South Campus (UDSC), Benito Juarez Road, New Delhi -110021, India, as a part of her training for the partial fulfilment towards the award of degree in Master of Science in Biochemistry (2018) at the University of Delhi.


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Date: 27-05-19

CERTIFICATE

This is to certify that **Ms. Srishti Sharma** has worked on the dissertation entitled “**Expression and Localisation of Mycobacterial proteins relevant in Immunodiagnosics**” under my guidance and supervision. This dissertation is being submitted to the **Department of Biochemistry, University of Delhi South Campus (UDSC)**, Benito Juarez Road, New Delhi -110021, India for the partial fulfilment for the award of **Master of Science in Biochemistry (2019)**. This dissertation is an original work done by the student himself and has not been submitted for award of any other degree.

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