

## CURRICULUM VITAE

Mr. Anirban Mukherjee



### PERMANENT ADDRESS

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### CARRIER AIMS

To be in a challenging and growth oriented position and simultaneously contribute to the growth and development of the esteemed organization.

### EDUCATIONAL QUALIFICATIONS

Sl.No	Degree	Year	University/Board	Class
1	M.Sc., Biotechnology	2009-2011	Bangalore University	First class (65.15%)
2	B.Sc., Microbiology (Honours)	2006-2009	Calcutta University	Second class (50%)
3	Intermediate	2004-2006	West Bengal Board of Higher Secondary Education	First class (71.4%)
4	SSC	2004	West Bengal Board of Secondary Education	First class (73.63%)

### WORK STATUS

- Working at National Institute of Biologicals as Junior scientist since February, 2016
- I was working at Indian Institute of Science as JRF in Department of Microbiology and Cell Biology under the supervision of Prof. Saumitra Das in the project involves characterization of the hepatitis C virus entry into host cells from December 2014 to February 2016
- I was working at ICMR Virus Unit as project assistant under the supervision of Dr. Provas Chandra Sadhukhan in the Project "Recombinant study of Hepatitis C Virus" from November 2012 to October 2014.
- I was working at Indian Institute of Science as JRF in Department of Biochemistry under the supervision of Prof. Anjali A. Karande in the project involves characterization of the hepatitis C virus entry into host cells as the part of the objectives of the "Centre of excellence on Hepatitis C Virus research" coordinated by Prof. Saumitra Das from August 2011 to November 2012

### COMPUTER KNOWLEDGE

- Computer Basic from IBM
- Diploma in Information Technology Application from Yuva Prasikhan Kendra

### TRAINING EXPERIENCE

- Sendai virosome preparation
- Entrapment of DNA and RNA into Sendai virosome
- Delivery the DNA and RNA to different cell lines

- Determined the expression and toxicity

## PRACTICAL EXPERIENCES GAINED DURING WORK AND TRAINING PERIOD

### MOLECULAR BIOLOGY AND CELL BIOLOGY

- Isolation of RNA and DNA from patient's blood.
- Determination of host genotype (IL-28B) from patient's whole blood
- Determination of hepatitis C viral genotype from infected patient's plasma.
- Isolation, purification and spectroscopic analysis of genomic and plasmid DNA.
- Polymerase Chain Reaction (PCR)
- Molecular cloning
- Protein expression and purification
- Antibody purification
- SDS-PAGE gel electrophoresis
- Western blotting
- ELISA
- Mammalian cell culture
- Luciferase assay
- Semi Quantitative and Quantitative PCR
- Isolation of primary hepatocyte cells from mouse liver
- Immuno Pull Down Assay
- Stable cell line preparation

### IMMUNOLOGY

- Immunological assays involving small animals.

### WORKSHOPS ATTENDED

- Workshop on MOLECULAR IMMUNO DIAGNOSTICS AND DNA AMPLIFICATION by Bhat Biotech in The Oxford College of Science.
- Workshop on AUTOMATION IN LIFE SCIENCE by Probiosys.
- Workshop on ANIMAL CELL CULTURE by Probiosys.
- Workshop on RECENT TRENDSDS IN BIOINFORMATICS in T.John College & Biozene Research Technolgies.
- Workshop on DESIGN AND STATISTICAL ANALYSIS FOR BIOMEDICAL RESEARCH in National Institute of Cholera and Enteric Disease.

### ABSTRACT SUBMITTED

- **Anirban Mukherjee**, Kallol Saha, Rushna Firdaus, Aritra Biswas, Alok Chandra and Provash Chandra Sadhukhan. 243-G mutation in 5' Untranslated Region affected viral replication in HCV infected patients. FIMB, IISER. 2013.
- Kallol Saha, Rushna Firdaus, Aritra Biswas, **Anirban Mukherjee**, SekharChakrabarti and Provash C. Sadhukhan.Hepatitis C virus genotype characterization within drug trafficking routes in intra venous drug users (IVDUs) of Manipur. 3rd Molecular virologyMeeting:Poster No. P-11, Pg 42, January 10-11, 2013 (Pune).
- Kallol Saha, Rushna Firdaus, Aritra Biswas, **Anirban Mukherjee**, SekharChakrabarti and Provash C. Sadhukhan.HCV Envelope gene Promiscuous Prediction of epitopes using local and global genotypic variants and its utility in vaccine development employing in-silico methods.21<sup>st</sup> Indian National association for the study of liver, Poster No. 158. March 22-24, 2013 (Hyderabad).

- Rushna Firdaus, Kallol Saha, Aritra Biswas, **Anirban Mukherjee**, Prasanta Chowdhury, Sudipto Ghosh, Sujit Chaudhuri and Provash C. Sadhukhan. Association of IL 28B host gene polymorphisms with IFN responses in Hepatitis C Virus infected patients from Eastern and North–Eastern India. 21<sup>st</sup> Indian National association for the study of liver, Poster No.154. March 22-24, 2013, (Hyderabad).
- Provash Chandra Sadhukhan, Kallol Saha, Rushna Firdaus, Aritra Biswas, **Anirban Mukherjee**. An Increasing Trend of hepatitis C virus genotype 1 among high risk group populations in eastern India. 22<sup>nd</sup> No. 9, March 28-30, 2014, Jaipur.

## PUBLICATION

- Soma Das, Rohini K. Shetty, Anuj Kumar, Radhika Nagamangalam Shridharan, Ranjitha Tatineni, Giriprakash Chi , **Anirban Mukherjee** , Saumitra Das, Shaila Melkote Subbarao , Anjali Anoop Karande. Monoclonal antibodies against Hepatitis C genotype 3a virus like particle inhibit virus entry in cell culture system. PLoS One. 2013;8(1):e53619.
- Rushna Firdaus, Aritra Biswas, Kallol Saha, **Anirban Mukherjee**, Sujit Chaudhuri, Alok Chandra, Asokananda Konar and Provash Chandra Sadhukhan. Impact of host IL28B rs12979860, rs8099917 in interferon responsiveness and advanced liver disease in chronic genotype 3 hepatitis C patients. Plos One. DOI- 10.1371/journal.pone.0099126.
- Kallol Saha, Rushna Firdaus, Aritra Biswas, **Anirban Mukherjee**, Sekhar Chakrabarti, Kamalesh Sarkar and Provash C. Sadhukhan. Transmission dynamics of Hepatitis C Virus among Intra venous drug users in the border state of Manipur, India. Infect Genet Evol. 2014 Mar 17. pii: S1567-1348(14)00090-2.
- Kallol Saha, Rushna Firdaus, Aritra Biswas, **Anirban Mukherjee**, and Provash C. Sadhukhan. A novel nested RT-PCR method for Rapid HCV Detection and Genotyping. Ind. J Med microbial (2014) 32(2): 130-136.
- K. Gouthamchandra, Anuj Kumar, Shivaprasad Shwetha, **Anirban Mukherjee**, Madhavi Chandra, B. Ravishankar, M. N. Khaja, Provash Chandra Sadhukhan and Saumitra Das. Serum proteomics of Hepatitis C virus infection reveals Retinol Binding Protein 4 as a novel regulator. J Gen Virol. 2014 Apr 30. doi: 10.1099/vir.0.062430-0.
- Firdaus R, Biswas A, Saha K, **Mukherjee A**, Pal F Chaudhury S, Chandra A, Konar A, Sadhukhan P.C. Modulation of TLR3, 7 and 8 expressions in HCV genotype 3 infected individuals : Potential correlations of pathogenesis and spontaneous clearance. Biomed Res Int. 2014. 2014: 491064 doi. 10.1155/2014/491064.

## PERSONAL PROFILE

Name : Anirban Mukherjee  
 Date of Birth : 06.03.1989  
 Father name : Madhusudan Mukherjee  
 Marital status : Single  
 Sex : Male  
 Nationality : Indian  
 Languages known : English, Hindi and Bengali  
 Permanent address : CB8/1, Rail Pukur Road Baguiati , Kolkata – 700059

## REFERENCES

**Prof. Saumitra Das**  
**Department of Microbiology and Cell Biology**  
 Indian Institute of Science  
 Bangalore - 560 012, India  
 Email-- sdas@mcbl.iisc.ernet.in

**Prof. Dr. A.B.Vedamurthy (Ph.D)**  
**Professor and Chairman**  
**Department of Biotechnology and Microbiology,**  
Karnatak University Dharwad,  
Karnataka  
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***Declaration***

I hereby declare that the information furnished above is relevant and true to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place:

**(Mr. Anirban Mukherjee**