DECLARATION BY THE CANDIDATE

This is to declare that I have carried out the project entitled **"TOLL LIKE RECEPTOR POLYMORPHISM AND EXPRESSION IN HEAD AND NECK CANCER"** under the guidance of Dr. S. Baruah Associate Prof. in the Department of Molecular Biology and Biotechnology, Tezpur University for the partial fulfillment of the degree in Master of Science in Molecular Biology and Biotechnology. This thesis embodies the accounts of my own findings and has not been submitted previously anywhere for any degree whatsoever by either me or anyone else.

Annalha Banerijee

Date: 3//5/2010

Arunabha Banerjee



TEZPUR UNIVERSITY

Central University established by an Act of Parliament)

Department of Molecular Biology and Biotechnology

NAPAAM, TEZPUR-784028

ASSAM, INDIA

Prof. A.K Mukherjee PhD,BOYCAST Fellow Head of MBBT Dept.

Ph .03712-267007/8/9 Ext.5401(O) Fax :03712-267005/267006(O) E.mail: akm@tezu.ernet.in

CERTIFICATE BY THE HEAD OF DEPARTMENT

This is to certify that **Mr Arunabha Banerjee**, student of the Department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project work entitled **"TOLL LIKE RECEPTOR POLYMORPHISM AND EXPRESSION IN HEAD AND NECK CANCER"** as a part of partial fulfillment of his degree of Master of science in Molecular Biology and Biotechnology under the supervision of Dr. S. Baruah, Associate Professor, Department of Molecular Biology and Biotechnology, Tezpur University, Assam.

Place: T.U.

Achunichanie

Date: 31/512010

(Dr. A.K Mukherjee)



DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY TEZPUR UNIVERSITY NAPAAM, TEZPUR-784 028 ASSAM, INDIA,

S.Baruah, Assoc Prof. Tel: +91-3712-267007/8/9 Ext. 5408 (O) Fax: +91-3712-267005/6 Email: sbaruah@tezu.ernet.in

CERTIFICATE BY THE SUPERVISOR

This is to certify that Mr. Arunabha Banerjee has completed the M.Sc. project entitled "TOLL LIKE RECEPTOR POLYMORPHISM AND EXPRESSION IN HEAD AND NECK CANCER" under my supervision. He has fulfilled the requirements of the regulations relating to the nature and prescribed period of M.Sc. project at Tezpur University. This thesis embodied accounts of his own findings and has not been submitted previously anywhere for any degree whatsoever by either him or anyone else.

Place: Tezpur

r. S. Baruah

Date:

ACKNOWLEDGEMENTS

This project report remains incomplete without forwarding my thanks and whole hearted gratitude to everyone who have helped me in my project work whenever I approached them.

At the very onset my heartfelt thanks are of Dr. Shashi Baruah Associate Prof. Department of Molecular Biology and Biotechnology, for accepting me as a M.Sc. project student under her guidance. Her constant guidance and inspirational words kept me going whenever I felt down. Her passion for research and scientific reasoning along with the open minded attitude to learn and accept new things has been a source of inspiration for me.

I whole heartedly thank Prof. A. K. Mukherjee, Head Dept of Molecular Biology and Biotechnology, Tezpur University for providing me support and necessary facilities of the laboratory. I would also like to extend my sense of gratitude to all the faculty member of the department and all the staff member of the department specially, Mr. Pranab Mudoi who has always been our side whenever we approached him for our daily lab requirements.

I feel short of words as I forward my thanks to all the cancer patients without the voluntary participation of whom this study would have not become possible. I pray to god for their well being and recovery. I am very grateful to Dr. Soumyajit Das of Dept of E.N.T, Assam Medical College and Hospital, Dibrugarh Assam, for his enthusiasm and valuable help in collecting my samples.

My whole-hearted thanks are due to member of Dr. S. Baruah's lab members. Miss Clara E. Sawian, Mr. Anupam Dutta who did not just help me learn the various techniques and the finer details of my work but also helped in the compilation of the project. Mrs. Saswati Deka and Miss Anusree Mahanta were always there with their inspiring words and support at the times of despair. Thanks are also due to my hard working and co-operating lab-mate Miss Beauty Borah whose dedication for her work always inspired me to work a bit more every time I saw her working and yet returning with a smiling face.

Thanks to all my classmates, who worked day in and day out and yet smile out at end of the day, thanks are due to Gaurav, Alakesh, Preeti Rekha, Abhinita, Beauty and Kalpana di for their support.

I would extend a bouquet of thanks and gratitude to my parents and my soul friend for their constant support, encouragement and standing by my side whenever I felt down.

Anunska Baneijee

Date: 3/15/2010

Arunabha Banerjee