

TEZPUR UNIVERSITY Central University established by an Act of Parliament Department of Molecular Biology and Biotechnology NAPAAM, TEZPUR-784028 ASSAM, INDIA

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

CERTIFICATE BY THE HEAD OF DEPARTMENT

This is to certify that **Mr.NIRAJ KUMAR SONKAR**, student of the Department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project work, entitled — "A **STUDY OF CR1 POLYMORPHISM AND HLA-A PROFILE OF SLE PATIENTS IN NORTH-EAST INDIA**" as a part of partial fulfillment of his degree of Master of Science in Molecular Biology and Biotechnology under the supervision of Dr.Sashi Baruah, Associate Professor and HOD, Department of Molecular Biology and Biotechnology, Tezpur University, Assam.

(Dr. S. Baruah) Head, Pept. of MBBT, T.U.

Date:

Place:



TEZPUR UNIVERSITY Central University established by an Act of Parliament Department of Molecular Biology and Biotechnology NAPAAM, TEZPUR-784028 ASSAM,INDIA

S.Baruah, Ph.d Head of MBBT Dept. Ph. 03712-267007/8/9 Ext.5408 Fax: 03712-267005/267006(O) E-mail: <u>sbaruah@tezu.ernet.in</u>

CERTIFICATE BY THE SUPERVISOR

This is to certify that **Mr. NIRAJ KUMAR SONKAR** has completed the M.Sc. project entitled **"A STUDY OF CR1 POLYMORPHISM AND HLA-A PROFILE OF SLE PATIENTS IN NORTH-EAST INDIA"** 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. The 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:

Date:

Baruah ead. ept. of MBBT, T.

DECLARATION BY THE CANDIDATE

This is to declare that I have carried out the project entitled "A STUDY OF CR1 POLYMORPHISM AND HLA-A PROFILE OF SLE PATIENTS IN NORTH-EAST INDIA" under the guidance of Dr.S.Baruah, Associate Prof. & Head of the Department 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.

(NIRAJ KUMAR SONKAR)

Date: 11-06-12 Place: Tezpur University

ACKNOWLEDGEMENTS

The project report remains incomplete without forwarding my thanks and gratitude to everyone who have in one way or the other helped me in my project work.

My heartfelt thanks are for Dr. S. Baruah, Associate Professor and HEAD, Department of Molecular Biology and Biotechnology, for accepting me as a M.Sc. project student under her guidance. Her passion for research together with scientific reasoning has been a source of inspiration to me. I whole heartedly thank her, for providing the support and necessary facilities in the laboratory.

I would like to thank Department of Biotechnology(DBT), Ministry of Science and Technology, India.

I would also like to thank all the faculty and staff members of the Department of Molecular Biology and Biotechnology, Tezpur University for their support, specially Mr.Pranab Mudoi who has always been our side whenever we approached him for our daily lab requirements and I would specially like to thank Dr. Suvendu Kumar Ray for his invaluable advice and words of encouragement which infused in me a sense of self confidence. I feel short of words as I forward my thanks to all the SLE patients without the voluntary participation of whom this study would not have become possible. I pray to god for their well being and speedy recovery. I am very grateful to Dr.S.Kakaty, Assistant Professor, Assam Medical College and Hospital, Dibrugarh, Assam for his enthusiasm and help in collecting my samples.

My whole-hearted thanks are due to members of Dr. S. Baruah's lab. Mr. Anupam Dutta and Miss Anushree Mahanta did not just help me learn the various techniques and the finer details of my work, but their help continued till the project compilation and they were always there with inspiring words and support. I would also like to thank Miss Clara Ermine Sawian and Miss Saswati Deka for helping me to stay patient and calm and providing constant encouragement at times of despair. Thanks to my hard working, co-operating lab-mate and project partner, Mr. Rowel Rongphar and Miss Mayurakhi Borpujari without whom there was never a dull moment in the lab or outside during the project period and whose never say die attitude helped me to stay active and work more during my project.

Thanks to all my classmates. Seeing them work day and night, and yet smiling, inspired me put extra effort in my own work. Mr. Arunbha Banargee and Miss Shreemoyee a special mention for their critical insights and advice when I needed them most.

I would extend a bouquet of thanks and gratitude to my parents for their blessings and constant support and always standing by my side whenever I felt down.

And, lastly, I thank all those whom I have forgotten to mention in this page.

(NIRAJ KUMAR SONKAR)

Date: 11-06-12 Place: Tezpur