

DECLARATION

I hereby declare that the Ph.D thesis entitled “Molecular and functional characterization of testes expressed NOX in relation to sperm development” is an independent work carried out by me and it has not been submitted anywhere else for any other Degree, Diploma or Title.



Ambika Chandrasekhar

Dr. Pradeep Kumar
Scientist F

6 April 2011

CERTIFICATE

This is to certify that the work embodied in the thesis entitled **Molecular and functional characterization of testes expressed NOX in relation to sperm development** has been carried out by **Ms. Ambika Chandrasekhar** under my supervision and guidance.



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DEPARTMENT OF BIOTECHNOLOGY, MINISTRY OF SCIENCE & TECHNOLOGY

GOVERNMENT OF INDIA

11th April 2011

CERTIFICATE

This is to certify that Ms. Ambika Chandrasekhar carried out the research work embodied in this thesis under the supervision and guidance of Dr. G. Pradeep Kumar for the full period prescribed under the Ph.D ordinance of this University. I recommend her thesis entitled **“Molecular and functional characterization of testes expressed NOX in relation to sperm development”**, for submission for the degree of Doctor of Philosophy in Biotechnology of the University of Kerala.

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