DECLARATION

I declare that this thesis is my original work, conducted under the supervision of Dr. S. K. Ghosh, Scientist ‘G’, National Institute of Malaria Research (ICMR), Bangalore, in collaboration with and guidance of Prof. G. Padmanaban, Dept. of Biochemistry, Indian Institute of Science, Bangalore and Dr. V. Arun Nagaraj, Ramanujan Fellow, Centre for Infectious Disease Research, Indian Institute of Science, Bangalore. This thesis is submitted to Manipal University for the degree of Doctor of Philosophy. I have not submitted any part of this research for a degree or examination at any other University. Help and material obtained from other sources have been duly acknowledged.

Pradeep A.S

Dept. of Molecular Parasitology
National Institute of Malaria Research
Indian Council of Medical Research
Bangalore 562110

Date: 2nd September, 2015
Place: Bangalore