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## **UNDERTAKING FROM THE CANDIDATE**

I, **Sumit Kumar Hira**, hereby undertake that the work entitled, “**Studies on Dendritic cell derived TNF superfamily ligands in leukemia & lymphoma: Role of cytokines**” presented in this thesis is my own and carried out under the supervision of **Dr. Partha Pratim Manna**. It has not been produced elsewhere for the award of any other degree. I shall be responsible if any discrepancy to my declaration is found in the thesis.

**Date:** 20 November, 2014

**Place:** Varanasi

(**Sumit Kumar Hira**)  
(**Zool/RES/January 2009/S-1/635**)

## **ANNEXURE – E**

(See Clause XIII.2 (b) (iii))

### **CANDIDATE'S DECLARATION**

I, **Sumit Kumar Hira**, certify that the work embodied in this Ph. D. thesis is my own bonafide work carried out by me under the supervision of **Dr. Partha Pratim Manna**, for a period of Five years tenth months, 20 days from **1<sup>st</sup> January 2009** to **20<sup>th</sup> November 2014** at Banaras Hindu University. The matter embodied in this Ph. D. thesis has not been submitted for the award of any other degree/diploma.

I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not wilfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph. D. thesis and cited as my own work.

**Date:** 20<sup>th</sup> November 2014

**Place:** Varanasi

(**Sumit Kumar Hira**)

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### **CERTIFICATE FROM THE SUPERVISOR**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

(**Dr. Partha Pratim Manna**)

(**Signature of the Head of the Department with seal**)

**ANNEXURE – F**

(See Clause XIII.1 (c) and XIII.2 (b) (iv))

**PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE**

This is to certify that **Mr. Sumit Kumar Hira**, a bonafide research scholar of this department, has satisfactorily completed the pre-submission seminar requirement which is a part of his Ph. D. programme.

**Date:**

**Place:** Varanasi

**(Head of the Department)**

**ANNEXURE – G**

(See Clause XIII.2 (b) (v))

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Title of the Thesis: **Studies on Dendritic cell derived TNF superfamily ligands in leukemia & lymphoma: Role of cytokines**

Candidate's Name: **Sumit Kumar Hira**

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