



First name:

Ruhi

Last name:

Phaltane

Date of birth:

05.02.1986

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India

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Supervisors:

Prof Dr. Thomas Moritz

REBIRTH

Dr. Ute Modlich

Dept. Expt. Hematology

Education

College/University:

2003-2006 Vidya Pratisthan's School of Biotechnology, Baramati
(Pune University affiliation), BSc Biotechnology

2006-2008 Vidya Pratisthan's School of Biotechnology, Baramati
(Pune University affiliation), MSc Biotechnology

Highest degree:

M.Sc. in Biotechnology

Major Subjects:

Biotechnology

Projects/Research:

1. Standardization of total RNA extraction method from *Syzygium cumini* leaves for mRNA purification and RT-PCR.
2. Multisite monitoring of human influenza in India
3. Diagnosis and whole genome sequencing of the Novel A (H1N1) 2009 Influenza virus.

Scientific Interests and Goals:

My main interest is gene therapy in Hematopoietic Stem Cells (HSCs). For successful gene therapy it is very necessary that the cells with corrected gene get incorporated in the immune system as well as it has minimum side effects. Thus my aim is to assess the genotoxicity of various viral vectors in context to hematopoietic gene therapy and in vivo selection. With this research it would help to better define the risk profile of novel strategies of gene insertion and influence the future development of hematopoietic gene therapy.

Hobbies and other interests:

Music, Badminton Movies, Observing nature etc.