

# CURRICULUM VITAE

**Name** : Rishabh Kapoor  
**Qualifications** : Integrated M. Tech in Biotechnology  
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**Languages Known** : English, Hindi



## Research interest:

Biotechnologist curious to excel in the field of iPSCs and NSCs, neurodevelopment and associated disorders and oncology.

## Objectives:

- Understand the mechanism of development and the orchestra of gene expression.
- Learn and work with iPSCs and progenitor cells, their regulation and functioning
- To understand the pathogenesis of neurodevelopmental diseases.
- Learn and gets hands on experience with various molecular biology and cell culture techniques.

## Education:

| Academic Qualification              | Year    | University/Board        | Name of the Institution/University | Percentage/CGPA |
|-------------------------------------|---------|-------------------------|------------------------------------|-----------------|
| Integrated M. Tech in Biotechnology | 2014-19 | Apeejay Stya University | Apeejay Stya University, Gurgaon   | 3.66/4.3 CGPA   |
| Minor degree in Management sciences | 2014-19 | Apeejay Stya University | Apeejay Stya University, Gurgaon   | 3.37/4.3        |
| Class 12 <sup>th</sup> Pass (PCB)   | 2012-13 | CBSE                    | Bal Bhavan School , Delhi          | 83%             |
| Class 10 <sup>th</sup> Pass         | 2010-11 | CBSE                    | Bal Bhavan School, Delhi           | 8.8/10 CGPA     |

## Dissertation Internships:

Successfully completed my dissertation on the topic:” Characterization of neural stem cells and CRISPR/ Cas9 mediated knockdown of an actin binding protein” at NBRC in Neuro-Virology lab for a duration of 12 months. Earning extensive experience in handling mammalian primary neural cell culture techniques and molecular biology assays.

## Experience & Certificates:

- Second Author: <https://faseb.onlinelibrary.wiley.com/doi/epdf/10.1096/fba.2021-00109>
- Project Assistant at NBRC, Neuro-virology laboratory assisting in project titled, “Role of Coronin-1a in HIV- tat Neuropathology and associated miRNA machinery”.
- Interned at NBRC, India at Neuro-Virology lab as a summer intern, 2017.
- Interned at Medanta: The Medicity Hospital under Clinical research dept. in National Human Heart failure registry in 2015.
- Certificate course at IIT, Delhi on entrepreneurship and innovation, 2015.

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## Achievements/Community Service/Awards:

- First prize in Poster presentation for “Best Original Work” in a Nano-medicine and Nanotechnology national seminar.
- All India Rank 2<sup>nd</sup> in a national level quiz organized at Dr. DY Patil University, Pune.
- Got All India Rank 6<sup>th</sup> rank in National Creativity Aptitude Test 2015
- Vice President Elect 2016-2017, Rotaract Club Apeejay Stya University
- Student Ambassador at University.
- Won 1<sup>st</sup> prize for B plan at MSIT, IPU and 5 various events at university fest.
- Won 4 silver medal in football, volleyball and badminton, also winning a Gold medal in cricket during the university sports fest.
- Assisting in various primary research projects to understand the underlying pathogenesis of infamous HIV, Zika and Nipah Viruses.
- Stem Cell differentiation and characterization at NBRC,2016.

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## Skills:

- Primary Cell culture techniques.
- Molecular biological techniques.
- miRNA research methodologies.
- Bioinformatics analysis
- Assay designing and Database mining
- Protein modelling and docking studies
- **Computer and Bioinformatic:** Know how to operate various software like: Genomespace, chimera-x, SPSS, Microsoft office and other utility programs.

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## References:

1. Prof. Pankaj Seth, Scientist-VII, National Brain Research center, Manesar. Email: [pseth@nbrc.ac.in](mailto:pseth@nbrc.ac.in)
  2. Dr. Vipendra Kumar Singh, Post Doc fellow, University of Illinois, USA. Email: [vipendra@illinois.edu](mailto:vipendra@illinois.edu)
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