

## Curriculum Vitae

### **Abhishek Chaudhary**

PhD Scholar

Indian institute of technology Mandi  
Mandi (H.P)

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### **Personal Details:**

- Marital Status: Unmarried
- Sex: Male
- Languages Spoken: English and Hindi
- Permanent address: Abhishek chaudharys/o Sri Jaipal Singh Near Geeta Public School Nai Basti B-14, Post- Bijnor, Dist.- Bijnor (U.P. 246701)

### **Research Interest:**

The main focus of my research project is to understand the conformational fluctuations of aptamer i.e. how the conformations of DNA aptamer structure changes upon ligand binding as well as dependent on the chemical environment because conformational fluctuations play an important role in macromolecule (DNA, RNA Protein) functions as they change the accessibility and nature of chemically reactive sites. Forster Resonance Energy Transfer (FRET) will be used as the experimental methods to study the dynamics. Afterwards the actual conformational structure will be attached to the gold nanoparticle for cancer cells markers.

### **Academic:**

- Pursuing P.hD in chemical science from Indian Indian Institute of Technology Mandi
- M.Tech Programme in Biotechnology from Anna University, Chennai, India. Duration: From July 2008 to June 2010 with CGPA 8.72
- M.Sc. in Biotechnology from University of Allahabad, Allahabad (U.P.), India in 2008. Aggregate: 72.00 %

### **Awards and Achievements:**

- Academic Distinction, Grants, Scholarships, Prizes awarded:
- Admitted in M.Sc.Biotechnology, University of Allahabad in 2006, through All India Entrance Test conducted by JNU, New Delhi.
- Recipient of DBT studentship (2006-2008), awarded by the Dept. of biotechnology
- Qualified GATE 2008 with percentile 97.6 (held by iisc Bangalore).
- Qualified ICMR JRF 2008
- Qualified JNU all India entrance examination for M.Tech. (ranking 1<sup>st</sup> all over india)
- Fellowship awarded Rs 8000/pm in M. Tech program by DBT.
- Qualified CSIR LS December 2009

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### **Personal skills:**

- **Molecular biology:** DNA/protein Isolation, Western Blotting, PCR, SDS PAGE, Gel Electrophoresis.
- **Immunological techniques:** ELISA, Western Blotting,
- **Biochemical Techniques:** Protein Estimation, Purification & Enzyme Activity Determination.
- **Plant Tissue Culture:** Culturing plant tissues in various media like MS, B5 etc.; Subculturing & micropropagation.
- **Microbiological and cell culture Techniques:** Characterization, Antibiotic Resistance.
- **Bioprocess:** Small Scale Fermentation, Media Standardization, TLC,etc
- **Languages:** PERL, C++ and C.

### **Conference or workshop attended:**

- Participate in “Chennai Science festival 2010” in Science City Chennai. organised by Department of higher education Government of TamilNadu 2-7 February 2010
- Biotechnology – “U.K and INDIA perspective certificate of participation in seminar on biotechnology.” Organised by British Council and Anna university Chennai – 11 September 2009
- Biotechnology – “U.K and INDIA perspective certificate of participation in seminar on biotechnology”. Organised by British Council and Anna University Chennai – 17-18 October 2008
- “Indo – Russian Seminar on Biotechnology” dedicated to the year of Russia in India .organised by Anna University Chennai 20 Nov.2008
- National Seminar on **Intellectual property Right (IPR)** ,Plant Varieties and genome conservation organised by university of Allahabad (14-15 October 2006)
- International workshop on “frontiers in nanobiotechnology” organised by Centre for Biotechnology University of Allahabad 1 December 2006