



Area(s) Of Interest : Cancer Signaling pathways

Educational Qualifications	Year	Board/Institution	CGPA*/%
Postgraduate (Ist Year IInd Semester) (Biotechnology)	2009	INDIAN INSTITUTE OF TECHNOLOGY ROORKEE	9.120
Undergraduate Overall (B.Sc(Biology))	2008	KIRORI MAL COLLEGE, UNIVERSITY OF DELHI	75.670
Twelfth Class	2005	CENTRAL BOARD OF SECONDARY EDUCATION	80.800
Tenth Class	2003	CENTRAL BOARD OF SECONDARY EDUCATION	83.800



*GPA on a scale of 10

INTERNSHIP

National Centre of Applied Human Genetics, School of Life Sciences, Jawaharlal Nehru University

Understanding the functional biology of Human Pyruvate Kinase-M2: Techniques involved (May 22, 2009- July 21, 2009)

Pyruvate kinase M2 (PKM2) is a glycolytic intermediate which drives the metabolism of proliferating cells. It causes the pooling of above glycolytic intermediates in order to give rise to the biosynthesis of various biomolecules required for cell division. How the switch to M2 isoform of pyruvate kinase from L, R, and M1 isoform occurs on the onset of tumorigenesis is not well understood. So to address this query, the following objectives comprised my training report. Objectives: (1).To study the effect of drug treatment (name of the drug is not disclosed) on the expression of PKM2 at transcriptional level in MCF-7 cell line by Real Time PCR. (2).To find the protein interacting partners of PKM2 by screening the Hela cDNA library via Yeast Two Hybrid system. (3).To Sequence the 3-UTR region of PKM2 gene.

SKILLS AND ACHIEVEMENTS

Computer Languages:

C++

Academic Achievements:

(1).Department of Biotechnology, Govt. of India Scholarship in M.Sc. program for the duration of two years (2008-2010). (2).Got 4th rank in M.Sc. Biomedical Sciences Examination conducted by Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi in 2008. (3).Got 10th rank in M.Sc. Biochemistry Examination conducted by Hyderabad Central University in 2008. (4).Got 40th rank in IIT-JAM 2008. (5).Got 53rd rank in M.Sc. Biotechnology Examination conducted by Jawaharlal Nehru University in 2008.(6) Got 98/100 & 97/100 marks in Mathematics in Class XII & X, respectively.

Additional Courses Taken:

Technical Communication

Languages Known:

English (S/R/W); Hindi (S/R/W);

EXTRA CURRICULARS

Novartis Biotechnology Leadership Camp (BioCamp-2009) (2009)

Got selected for BioCamp-2009 which dealt with various aspects of Entrepreneurship & formulation of Business Plan for opening a Biotech enterprise.

Class Representative (2005-08)

Was the Class Representative for consecutive three years during Graduation.

Function Hosting (2009)

Hosted the Annual Hostel Cultural Function of Azad Bhawan, IIT Roorkee.

IPR Conference (2009)

Attended International Conference on "Knowledge Sharing & IP Management: Evolving Strategies in Asia-Pacific" in IIT Roorkee.

Poster Presentation (2009)

Presented a poster on "Combinational RNA based therapies for the AIDS Treatment" at IITR-COGNIZANCE (Technical festival of Indian Institute of Technology Roorkee)-2009.

Geography Talent Search Examination (2002)

Got X position in Geography Talent Search Examination, 2002-2003, organized by Academy of Geography Teachers, Delhi.

Cultural Activities (2000-09)

Performer in Dramatic from High School to Post Graduate level & won 3rd Prize in Inter-School Arts Competition(2001)

Sports (2001-2005)

Participated in 3rd Delhi Inter School Cycling Championship & Zonal level Volley Ball Championship.

PERSONAL DETAILS

Fathers name : AJAY KUMAR TREHAN

Date of Birth : 16-02-1988

Gender : Male

Category : General

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REFERENCES

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