Curriculum Vitae

Neelima Mondal, Ph.D.
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1. Area of Interest/Specialization: Cell Biology/Cancer Biology

2. Teaching: 1) Cell Biology, M.Sc.
2) Molecular cancer biology, M.Sc.
3) Topics in Radiation and Cancer Biology, Phil/Ph.D

3. Academic Qualification (Undergraduate Onwards)

S.No	Degree	Year	Subject	University/Institution
1.	B.Sc	1991	Zoology (Hons.) Botany & Chemistry	Ravenshaw College, Utkal University, India
2.	M.Sc	1993	Life Sciences	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India
3.	Ph.D	1999	Life Sciences	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

4. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To
	Postdoctoral Research Fellow	Department of Pathology, Brigham and Women's Hospital, Harvard Medical School, Boston, USA	March 1999	October 2003
	Assistant Professor	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	2003	2008
	Associate Professor	School of Life Sciences, Jawaharlal Nehru University, New Delhi, India	2008	Till now

5. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1.	Qualified for the JRF Fellowship	Council for Scientific and Industrial Research, Government of India.	1992
2.	Junior Research Fellow	UGC	1993-1995
3.	Senior Research Fellow	UGC	1995-1998
4.	DAAD Fellowship	DAAD, German academic exchange service	1997 (June-Nov.)
5.	Visiting Assistant Professor, Department of Biomedical Informatics, Ohio State University, Columbus, USA		2011 (May-July)
6.	Visiting Assistant Professor, Department of Biomedical Informatics, Ohio State University, Columbus, USA		2013 (May-July)

6. Publications

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	**Mondal N,** Parvin JD.	BRCA1 function in transcription.	**Gene Therapy and Molecular Biology,**	4	397-404	1999
2.	**Mondal N.** and Parvin J.D.	DNA topoisomerase II associated with the RNA polymerase II holoenzyme is required for transcription on chromatin templates	**Nature**	413	435-438	**2001**
3.	**Mondal N**, Parvin JD.	Transcription from the perspective of the DNA: twists and bumps in the road.	**Crit Rev Eukaryot Gene Expr.**	13(1)	1-8	2003
4.	**Mondal N**., Zhang, Y, Kannapiran, M., Dhar SK, Jonsson, Z. and Parvin, J.D.	Requirement of a topoisomerase activity in transcription on chromatin template by RNA pol II.	**Nucleic Acids Research**.	31(17)	5016-5024	2003
5.	Zhang, Y., **Mondal, N.**, Daniels, K. and Parvin, J.D.	Phosphorylation of Histone H2A Inhibits Transcription on Chromatin Templates	**J. Biol Chem.**	279(21)	21866-72	**2004**
6.	**Mondal N.** and Parvin J.D.	The tumor suppressor protein p53 functions similarly to p63 and p73 in activating transcription in vitro	**Cancer Biology & Therapy**	4(4)	414-8	2005
7.	Dar MA, Sharma A, **Mondal N**, Dhar SK	Molecular cloning of apicoplast-targeted *Plasmodium falciparum* DNA gyrase genes: unique intrinsic ATPase activity and ATP-independent	**Eukaryot Cell**	6(3)	398-412	2007

		dimerization of PfGyrB subunit.				
8.	Dar A, Prusty D, **Mondal N**, Dhar SK.	A unique 45-amino-acid region in the toprim domain of *Plasmodium falciparum* gyrase B is essential for its activity.	**Eukaryot Cell**.	8(11)	1759-69	2009
9.	Mannar R. Maurya, Aftab Alam Khan, Amir Azam, Amit Kumar, Samir Ranjan, **Neelima Mondal**, J. Costa Pessoa	Dinuclear Oxidovanadium(IV) and Dioxidovanadium(V) Complexes of 5,5_-Methylenebis(dibasic tridentate) Ligands: Synthesis, Spectral Characterisation, Reactivity, and Catalytic and Antiamoebic Activities.	**Eur. J. Inorg. Chem.**	35	5377-5390	**2009**
10.	Mannar R. Maurya, Aftab Alam Khan, Amir Azam, Samir Ranjan, **Neelima Mondal**, Amit Kumar, Fernando Avecilla and João Costa Pessoa	Vanadium complexes having $[V^{IV}O]^{2+}$ and $[V^{V}O_2]^{+}$ cores with binucleating dibasic tetradentate ligands: Synthesis, characterization, catalytic and antiamoebic activities	**Dalton Trans**	**39**	1345 – 1360	2010
11.	Arivazhagan A, Kumar DM, Sagar V, Patric IR, Sridevi S, Thota B, Srividya MR, Prasanna K, Thennarasu K, **Mondal N**, Hegde AS, Chandramouli BA, Santosh V, Rao MR, Kondaiah P, Somasundaram K.	Higher topoisomerase 2 alpha gene transcript levels predict better prognosis in GBM patients receiving temozolomide chemotherapy: identification of temozolomide as a TOP2A inhibitor.	J Neurooncol.	107(2)	289-97.	2012
12.	Pooja, Prasher P, Singh P, Pawar K, Vikramdeo KS, **Mondal N**, Komath SS.	Synthesis of amino acid appended indoles: appreciable anti-fungal activity and inhibition of ergosterol biosynthesis as their probable mode of action.	**Eur J Med Chem.**	80	325-39	2014
13.	Hu Y, Wang C, Huang K, Xia F, Parvin JD, **Mondal N**	Regulation of 53BP1 protein stability by RNF8 and RNF168 is important for efficient DNA double-strand break repair	PLoS One.	9(10)	e0110522.	2014

14.	Ansari MF, Siddiqui SM, Agarwal SM, Vikramdeo KS, **Mondal N**, Azam A.	Metronidazole hydrazone conjugates: Design, synthesis, antiamoebic and molecular docking studies	Bioorg Med Chem Lett.	25(17)	3545-9	2015
15.	Narayanaswamy N, Das S, Samanta PK, Banu K, Sharma GP, **Mondal N**, Dhar SK, Pati SK, Govindaraju T.	Sequence-Specific Recognition of DNA Minor Groove by an NIR-Fluorescence Switch-On Probe and its Potential Applications..	Nucleic Acids Research	43(18)	8651-63	2015
16.	Dana S, Keshri SK, Shukla J, Vikramdeo SK, **Mondal N**, Mukhopadhyay P, Dhar SK	Design, Synthesis and Evaluation of Bifunctional Acridinine−Naphthalenediimide Redox-Active Conjugates as Antimalarials	ACS Omega	1 (3)	318–333	2016
17.	Kumar A, Bhowmick K, Vikramdeo KS, **Mondal N,** Subbarao N, Dhar SK.	Designing novel inhibitors against histone acetyltransferase (HAT: GCN5) of Plasmodium falciparum.	Eur J Med Chem.	138	26-37	2017

7. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No	Award Date	Agency/Country	Status
1.	1-(4-isopropylbenzylidene)-4-methylbenzene sulfonohydrazide (SH-3): Potential molecule for Breast cancer	Neelima Mondal Kunwar Somesh Vikramdeo Archana Bist Azam Afreen Inam	201611005460	17/02/2016	INTELLECTUAL PROPERTY INDIA	In process
2.	(E)-N-(1-(3-chlorophenyl)propylidene)-4-methylbenzene sulfonohydrazide (SH2): Potential molecule against prostate cancer	Neelima Mondal Guru P. Sharma Amir Azam Afreen Inam	201611002689	03/02/2016	INTELLECTUAL PROPERTY INDIA	In process
3.	N'-((1E)-(2,5-dimethoxyphenyl)methylene)-4-methylbenzene (SH1): Potential anti-cancer molecule for prostate cancer	Neelima Mondal Guru P. Sharma Amir Azam Afreen Inam	201611003778	25/01/2016	INTELLECTUAL PROPERTY INDIA	In process