

NAME	Navkiran kaur	
DESIGNATION	Assistant Professor (Grade III)	
EMAIL ID	navkirank@amity.edu	
CONTACT NUMBER		

RESEARCH INTERESTS Cancer biology, glycosylation, cell signaling, atherosclerosis and inflammation

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
Kurukshetra University, Kurukshetra	B.Sc (Biochemistry)	1996
Panjab University, Chandigarh	M.Sc(Hons) Biochemistry	1998
Postgraduate Institute of Medical Education and Research(PGIMER) , Chandigarh	Ph.D (Medical Biotechnology)	2008

Title of Ph.D. thesis: Effect of different forms of HDL on Ox-LDL mediated cellular responses in differentiated monocytes/macrophages

EXPERIENCE (in chronological order): Total 20 Years Research & Teaching

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Assistant Professor (Grade III)	Teaching and Research	Amity Institute of Biotechnology	2017 –till date
Assistant Professor (Grade II)	Teaching and Research	Amity Institute of Biotechnology	2012- 2017
Assistant Professor (Grade I)	Teaching and Research	Amity Institute of Biotechnology	2010-2012
lecturer	Teaching and Research	Amity Institute of Biotechnology	2007-2010
Senior Research fellow	Research	Postgraduate Institute of Medical Education and Research(PGIMER) , Chandigarh	2006-2007
Junior Research fellow	Research	Postgraduate Institute of Medical Education and Research(PGIMER) , Chandigarh	1999-2006

No. of Ph.D. students supervised	Awarded :1
	Ongoing : 2
No. of Post-Doc	nil
No. of M.Tech/MSc. Students supervised:	10

No. of B.Tech/B.Sc. Students supervised:

25

PUBLICATIONS
(16)

- *Details: (original articles/chapters/abstracts published)*
- **Role of nHDL and rHDL on Ox-LDL mediated apoptosis in human monocytes/macrophages through LOX-1 receptors** N.Kaur & S.Ghosh.(accepted, manuscript1532ayatherosclerosis, March, 2020)(corresponding author)
- **Bioinformatic analysis of aberrant glycosylation in Triple negative breast cancer** Navkiran kaur *et al.*, **Breast Can Curr Res** 2017, 2:5 (Suppl) DOI: 10.4172/2572-4118-C1-011 (first and main author)
- **Role of post translational modifications in breast cancer,** Navkiran Kaur *et al* **Breast Can Curr Res** 2017, 2:3(Suppl) DOI: 10.4172/2572-4118-C1-006 (first and main author)
- **Bioinformatic analysis of aberrant posttranslational modifications in breast cancer.** Navkiran *et al* abstract accepted and presented in RGCON 2017
- **Resistance against HIV-1: Role of chemokine receptor, CCR5 and Restriction Factor, APOBEC3G.** Arshia Berry, Sakshi Sehgal and Navkiran Kaur **International journal of Pharma and BioSciences, 2017, Apr;8(2): (B) 297-306.** (corresponding author).
- **GSIT: An Integrated web tool for identification of genomic signatures in highly similar DNA sequences** Amit Tuteja, Kandarp joshi, Swati Subodh, Navkiran kaur, **Bioinformation** , August 2014; vol 10(1).
- **Mutation profiling of the hepatitis B Virus strains circulating in North Indian Population** Amit Tuteja, Abu Baker Siddiqui, Kaushal Madan, Rohit Goyal, Shalimar, Vishnubhatla Sreenivas, Navkiran Kaur, Subrat K. Panda, Krishnamoorthy Narayanasamy, Swati Subodh, Subrat K. Acharya. **PLOS one, March 2014, volume 9, issue 3, e91150 .**
- **Role of different forms of HDL on ox-LDL induced apoptosis through an NF-κB-Bcl-2 pathway in differentiated monocytes'** Navkiran Kaur & Sujata Ghosh WCIRDC Abstracts, **Endocr Pract. 2014; 20(No. 1) 19A.**
- **Proteomic study of the of posttranslational modifications (phosphorylation and glycosylation) and its significance in human breast cancer** Parul Jauhri and Navkiran kaur , **Molecular Targets and Cancer Therapeutics** , 2013 [corresponding author]
- Abstract accepted entitled 'Role of different forms of HDL on Ox-LDL mediated expressions of inflammatory cytokines through NFκappa B in differentiated monocytes' in the proceedings of International symposium organized by International Society of atherosclerosis, 2013.
- **Role of different forms of HDL (Ox-HDL and N HDL) on Ox-LDL induced apoptosis in differentiated monocytes** N.Kaur S .Kumari S.Jain S. Majumdar S.Ghosh. (2010), **Atherosclerosis supplements**, 11 issue 2,

	<p>P427, 107-108</p> <ul style="list-style-type: none"> ➤ Modulation of Oxidized Ldl Mediated Cellular Responses By Different Forms of Hdl Jain, S; Kaur, N; Kumari, S; Ghosh, S (2010) Journal of Hypertension: Volume 28 - Issue - p e67 ➤ Role of nHDL and rHDL on Ox-LDL mediated apoptosis in human monocytes/macrophages: Implications for atherosclerotic pathology. Navkiran Kaur, Sujata Ghosh, Savita Kumari, Sanjay Jain, Subhash Varma, Siddhartha Majumdar (2008) Heart lung and Circulation: 7, supplement 1,S25. ➤ Randomized evaluation of fluid resuscitation with crystalloid (saline) and colloid (polymer from degraded gelatin in saline) in pediatric septic shock Manasaranjan Upadhyay, Sunit Singhi, Jayashree Murlidharan, Navkiran Kaur and S. Majumdar (2005) Indian Pediatrics ; 42:223-231. For this paper Dr. M. Upadhyay was awarded S.T. Achar Gold Medal of Indian Academy of Pediatrics at PEDICON-2001, Patna, Feb. 7-11, 2001 ➤ MESOTHELIOMA:CURRENT ROSPECTIVES, May 2014 pg 1-4, BioEvolution, Hema madhav & Navkiran kaur, GIAP, ISBN 978-81-925781-3-2 ➤ ROLE OF CANCER STEM CELLS IN BREAST CANCER, May 2014, pg 24 -27, BioEvolution, Sahil Nagpal & Navkiran Kaur, GIAP, ISBN 978-81-925781-3-2
<p>PATENTS (total no.) <i>nil</i></p>	<p><i>Details: NA</i></p>
<p>RESEARCH PROJECTS Completed: (total no.) <i>1</i> Ongoing: (total no.) <i>1</i></p>	<p><i>Details: Project entitled ‘Screening and Identification of disease specific sialoglycosylation changes with specific lectins in breast carcinoma’ sanctioned by UP-CST – (2016-2018) as co-investigator. (status completed)</i></p> <p>Responsibilities : My major responsibility is to identify specific lectins which has probable role in identification of disease specific sialo-glycosylates in breast cancer cells and further to study the role of specific lectin (s) in the modulation of cellular responses in view of apoptosis in breast cancer using different techniques (cell culture, affinity chromatography, immunocytochemistry, RT PCR and western immunoblots.). Various Bioinformatic tools were also used to further substantiate and to study the biological interactions in breast cancer.</p> <p><i>Details: Project entitled ‘Biological significance of disease specific sialoglycosylation in triple negative Breast cancer’ technically approved by ICMR – (April 2020) as co-investigator. (status technically sanctioned)</i></p> <p>Responsibilities: My major responsibility will be in execution of the project along with other investigators and primarily I will be involved and working on the optimization and standardization of LC-MS and bioinformatics work involved in studying the biological significance of specific sialo glycosylates in triple negative breast</p>

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AWARDS & HONOURS/ DISTINCTIONS	<ul style="list-style-type: none"> ➤ Travel Grant Award from European Atherosclerosis Society for attending and participating in EAS congress held in Milan, Italy (2012) ➤ Travel grant Award from the Indian National Science Academy, Govt of India, to attend international conference held in Milan, Italy (2012). ➤ Travel Bursary From Immunology Society, National Institute of Immunology, New Delhi for attending the international conference held in Milan , Italy (2012) ➤ Travel Grant Award from ICLA for attending and participating in Ist international conference on lipid metabolism and Atherosclerosis held in seoul,South Korea (2012) ➤ Shortlisted for Travel grant Award from European Atherosclerosis Society for attending and participating in EAS congress held in Hamburg, Germany (2010) ➤ Shortlisted for Travel grant Award from the Indian National Science Academy, Govt of India, to attend international conference held in Germany, (2010). ➤ Nominee for NS Dhalla young scientist award in Basic Cardiovascular Biology under Aupices of International Society for Heart Research (Indian Section), International Academy of Cardiovascular Sciences (Indian Section) and Heart Failure Society of India (2008) ➤ Research work carried out on on Randomized evaluation of fluid resuscitation with crystalloid (saline) and colloid (polymer from degraded gelatin in saline) in pediatric septic shock work was awarded with S.T. Achar Gold Medal of Indian Academy of Pediatrics at PEDICON-2001, Patna, Feb. 7-11,(2001) ➤ Senior Research Fellow, Indian Council of Medical Research, Govt. of India.
MEMBERSHIP with Professional/ Academic bodies	Member of European Atherosclerosis society(annual membership)
	Associate member of American Association of cancer research (Annual member ship)
	Women in cancer Research, 2013-till date (all women members of AACR are entitled)
	Member of working group of atherosclerosis and vascular biology (Annual membership)
	Member of Heart failure Association 2013-till date

	Professional Associate Membership of American Heart Association/American Stroke Association with scientific council Affiliation of Council of Basic cardiovascular Science
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