**Name**:**ArchnaSingh; Designation**: Assistant Professor;

**Department/University**: Biochemistry, AIIMS.Date of Birth: 25/12/1974;Gender:**Female**.

1. **Education** (Post-Graduation onwards & Professional Career)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Institution | Degree | Duration | Field of Study |
| 1. | Nalanda Medical College, Patna, India | MBBS | 08/98 | Medicine, Surgery,Gynecology  |
| 2. | All India Institute of Medical Sciences, Delhi, India | M.D. | 05/04 | Biochemistry |
| 3. | All India Institute of Medical Sciences, Delhi, India | Ph. D | 06/08 | Biochemistry |
| 4. | University of Michigan, Ann Arbor, US | MPH | 12/08 | Environmental Health (Nutrition concentration) |

#### Position and Honors

##### Position and Employment(Starting with the most recent employment)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No. | Institution/Place | Position | From (Date) | To (date) |
| 1. | All India Institute of Medical Sciences, New Delhi, India. | **Assistant Professor** | **Nov 2012**  | **present:**  |
| 2. | IIPH-D, Public Health Foundation of India, New Delhi, India. | **Assistant Professor** | **Jan 2009**  | **Oct 2012**  |
| 3. | All India Institute of Medical Sciences, New Delhi, India | **Senior Resident** | **2004** | **2007**:  |
| 4. | All India Institute of Medical Sciences, New Delhi, India. | **Junior Resident** | **2001** | **2004** |

##### Honors/Awards:

1. Distinction in the subjects of Anatomy and ENT/ophthalmology in MBBS.
2. CSIR grant for The **5th International Multidisciplinary CongressEUROGIN, 2003,** held in Paris from 13th-16th April, 2003.

##### Professional Experience and Training:

***My broad researchinterests include understanding the public health burden and health effects of chemicals in the environment and also in innovative strategies to strengthen laboratory capacity in India.***

I have 6 years of experience working in the field of molecular genetics of cervical cancer. My laboratory training expertise includestechniques such as chromatography, PCR, Real-time PCR, immunohistochemistry, TUNEL, electrophoresis and basic microscopy.An ongoing DST project is related to process induced chemicals, i.e. trans fatty acids in commonly consumed snacks;other projects that I am involved in,studying aspects of community health related to nutrition and environment.

**Selected peer-reviewed publications (Ten best publications in chronological order)**

# Pillai RM, Babu JM, Jissa VT, Lakshmi S, Chiplunkar SV, Patkar M, Tongaonkar H, Reddy KB, Chakka KN, Siddiqui M, Roychoudury S, Abraham P, Peedicayil A, Gnanamony M, Subashini J, Ram TS, Dey B, Singh N, Singh A, Jain SK, Jayshree RS. Region-wise distribution of high-risk human papillomavirus types in squamous cell carcinomas of the cervix in India. Int J Gynecol Cancer. 2010 ; 20(6):1046-51.

1. **Singh Archna,** DattaPalika, Jain SK, Bhatla N, Dutta Gupta S, DeyBindu, Singh Neeta**.** HPV genotyping, variants and viral load in tumors, SILs and Controls in a North-Indian population subset. **Int J Gynecol Cancer. 2009;19: 1642-8**.
2. [Sharma H](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Sharma%20H%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [Datta P](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Datta%20P%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [**Singh A**](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Singh%20A%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [Sen S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Sen%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [Bhardwaj NK](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Bhardwaj%20NK%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [Kochupillai V](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Kochupillai%20V%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1), [Singh N](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Singh%20N%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVAbstractPlusDrugs1). Gene expression profiling in practitioners of SudarshanKriya. **J Psychosom Res 2008; 64:213-8.**
3. Kar R, Sen S, **Singh A**, Sharma H, Kumar S, Gupta SD, Singh N.Role of Apoptotic Regulators in Human Epithelial Ovarian Cancer. **Cancer BiolTher 2007; 6;1101-1105**
4. Sharma H, **Singh A**, Sharma C, Jain SK, Singh N. Mutations in the mitochondrial DNA D-loop region are frequent in cervical cancer. **Cancer Cell Int. 2005;5:34**
5. Singh A, Sharma H, Salhan S, Datta Gupta S, Jain SK, Singh N. Evaluation of expression of apoptosis related proteins and their correlation with HPV, telomerase activity and Apoptotic Index. Pathobiology 2004; 71:314-322
6. Sharma H, Sen S, Singh A, Bhardwaj NK, Kochupillai V and Singh N. Lower Blood Lactate Levels And A Better Antioxidant Status In Practitioners Of SudarshanKriya. Biological Psychology 2003; 63: 281-291.

ONGOING PROJECTS:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Title of Project | Funding Agency | Amount | Date of sanction and Duration |
| 1. |  “Effect of heating on the trans-fatty acid content of commonly consumed Indian edible oils and fried snacks in South Delhi.” | **DST (SERC FAST TRACK SCHEME), India** | 17 lakhs | 2011, 3 years |
| 2.  | Assessment of mitochondrial DNA copy number in pediatric cases of Acute Lymphoblastic Leukemia. | **Intramural** | 5 lakhs | 2013, 1 year |