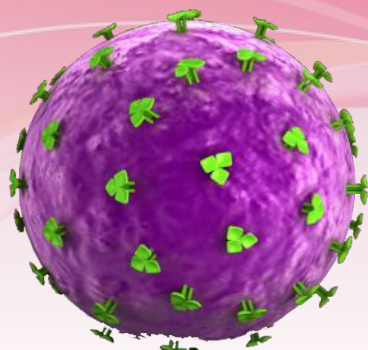


# MEDICON SPECIAL



13<sup>th</sup> - 16<sup>th</sup> July, 2016



**ERA'S**  
RESEARCH  
NEWSLETTER

IN COLLABORATION WITH  
AMERICAN UNIVERSITY OF BARBADOS(AUB)  
VOL -1 NO - 2 2016

## From the desk of Director Academics: Prof. Farzana Mahdi

This gives me great pleasure to shoulder the responsibility of MEDICON as being the Academic Head of this institution. MEDICON was won by ELMC&H due to efforts of participants and prize winners of the last MEDICON held at Indore in 2015. Seven of our students had presented papers, participated in various competitions and had bagged various awards. Later, all of the college students guided by faculty and greatly helped by the management, are busy organizing this meeting. I congratulate all the organizing undergraduate students for this laurel and wish the conference a great success.

## Message from Principal, Dean & CMS Prof. Kumkum Srivastava

The Research News Letter of Era's Lucknow Medical College & Hospital, Lucknow has served its purpose very well. The information regarding projects running in this institution is now available to all faculty members and residents. The same is true about achievement by teachers about different departments at National & International levels.

The main aim of the Era Educational Trust to provide the best patient care. It can occur only when physician and caregivers are armed with the latest technologies and innovative therapies. Research enables "best" patient care, through improved outcome that enhance the quality of life.

This is encouraging to one & all. Please keep updating about your contribution & achievements in the field of Research at regular intervals to Research Cell so that your laurels could be accommodated in the next issue. Best wishes.

## Chief Editor's Note : Prof. A.N. Srivastava

It is a great moment for Era's Lucknow Medical College: as we are hosting 10<sup>th</sup> International Undergraduate Medical Students Research Conference of INFORMER from 13<sup>th</sup> to 16<sup>th</sup> July 2016. We were aware that our students are becoming increasingly interested and participating in Medical Research and are also winning prizes at National level, but this conference came all too soon as a surprise : "A too good prize to our students and their mentors." Tireless efforts by students and the management have not left any stones unturned to make it successful and interesting. Besides Scientific presentations, a number of workshops, skill training and competitions have made it greatly absorbing. This has been coupled with excellent entertainment, City Tours and a Gala

night on 14<sup>th</sup> July.

I believe, students will enjoy and benefit greatly from this meeting and it shall never be erased from the memory of their college days in their life time. Wishing it all the grand success

## From Editor's Desk : Dr. Navbir Pasricha

Research by undergraduate students complements their coursework or syllabi. Projects constructed under the able guidance of faculty mentors provide them chance to research for relevant literature, understand a particular research question, analyze and interpret results and also enlightens them about lacunae in current scientific knowledge and thus prods them on to become independent scholars with intellectual ownership for all aspects of inquiry, problem solving and analysis. Era's Lucknow Medical College and Hospital is very lucky to be governed by a management which lays the utmost importance on research, guiding ably the Department of Research, whose offices provide assistance to faculty, postgraduate and undergraduate students and the research scholars, related to any aspect of the conduct of research. It also provides funding and information on the funding sources of research. We also have an Institutional Animal Ethics Committee which works as a conscience for the institute on animal welfare concerns. We are also very fortunate to have a Stem Cell Ethical Committee which addresses the ethical concerns in the upcoming field of Stem Cell research. The Institutional Ethical Committee, helped by the Technical Review Committee ensures the protection of human research subjects by conducting scientific and ethical review of research studies while providing leadership and education for research to the faculty and students. With all the required infrastructure in place, it is no coincidence that our young researchers are doing so well and earning laurels at the State and National levels, and with the Almighty's blessings, at the International level soon.

## Global Research News

### Cancer cell lines predict drug response and accelerate personalized medicine

Research published today in Cell has shown that patient-derived cancer cell lines harbor most of the same genetic changes found in patient's tumors, and could be used to learn how tumors are likely to respond to new drugs, increasing the success rate for developing new personalized cancer treatments. In the first symmetric, large scale study to combine molecular data from patients, laboratory cancer cell lines and the drugs sensitivity, the researchers looked at genetic mutations known to cause cancer in more than 11,000 patient samples of 29 different tumors types. They noted that the majority of molecular abnormalities found in patient's cancers are also found in cancer cells in the laboratory. This means that cell lines are indeed useful models to identify which drugs would work best for patients. Secondly, many of the molecular abnormalities detected in the 1,000 of patients cancer samples can, both individually but also in combination, have a strong effect on whether a particular drug affects a cancer cell's survival. The results suggest cancer cell lines could be better exploited to learn which drugs offer the most effective treatment to which patients.



**ERA'S LUCKNOW MEDICAL COLLEGE & HOSPITAL**  
Sarfaraz Ganj, Hardoi Road, Lucknow - 226003, Ph. 0522-2408122,23

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### Cell of origin in skin cancers

In a study published in Nature, researchers led by Professor Cedric Blanpain at the Universite Libre de Bruxelles, Belgium, and Professor Ben Simons at the University of Cambridge, have demonstrated in mice how skin stem and progenitor cells respond to the activation of an oncogene. Their studies have shown that, while progenitor cells can give rise to benign lesions, only stem cells have the capacity to develop into deadly invasive tumors.

We now know that stem cells are the culprits: when an oncogene in a stem cell becomes active, it triggers a chain reaction of cell division and proliferation that overcomes the cell's safety mechanisms.

### Alzheimer's disease: Early detection

Researchers compared the amyloid-PET measurements in the brain with amyloid-β42 in the spinal fluid to see how well they align. The investigations were performed at seven European memory clinics on 230 patients who were examined for memory disorders. Patients received various diagnoses, such as mild cognitive impairment (MCI), Alzheimer's disease and various types of dementia. A small group of healthy individuals were control subjects. The researchers also used a new method, called the centiloid method, in order to standardize the measured amyloid values on a unified scale so they can be compared.

The researchers found that the best fit was achieved when the amyloid level in the brain was compared with the ratio between the levels of amyloid42 and amyloid40 in the spinal fluid. Given this finding, the research team hypothesized that the forms of β-amyloid found in the brain and spinal fluid are not completely identical.

This may justify that, in some unclear cases, the diagnosis should include an amyloid PET scan to complement the cerebrospinal fluid sample. These findings are also important because it is increasingly common to perform amyloid-PET studies upon the inclusion of patients in new drug studies

### Original Concepts: Ongoing Research at Era's Lucknow Medical College

#### Development of a Non-Invasive Device against Cancer

The high negative surface charge on malignant cells causes immune rejection of these cells. Thus, neutralizing or removing the tumor cell negative charge may allow negatively charged lymphocytes to approach and destroy them. A collaborative research effort helmed by Mr. Mohsin Ali Khan, Dr. Rumana Ahmad and Prof A.N. Srivastava is working on testing this hypothesis on invasive human breast carcinoma cell line MDA-MB-231 through the application of electrostatic field through specially designed circuits. Promising results are paving the way for development of a minimally invasive device that will selectively target and destroy both metastatic and nonmetastatic cancer cells in humans, thus leading to device effective treatment strategy of human tumors in future.

### Aroma as a Possible Means of Cancer Cure?

Another exciting avenue being currently explored by the same group at Era's Medical College is the newly discovered property of aroma in causing considerable cancer cell mortality *in vitro*. Effect of aroma of a variety of esters has already been tested against a number of cancer cell lines *in vitro* resulting in significant cytotoxicity in cancer cells. Mechanism of cell death has been explored and future research entails studying the effect of aroma *in vivo* on animal cancer models. The study is unique in that no work involving the effect of aroma/smell on cancer cells has ever been reported before.

### Extramural Research Project

UPCST : Role of circulating micro-RNAs as early diagnostic biomarker for Type II Diabetes Mellitus -Dr. S. Tasleem Raza, Department of Biochemistry

### Intramural Research Projects Approved By Institutional Stem Cell Committee

1. Cancer Stem cells in Experimentally produced Lung Cancer in BALB-c mice: A Sequential Study. Dr. A. N. Srivastava, Department of Pathology.
2. FK-506 Nano-formulation enhances human Dental Pulp Stem Cell survival in a micro-inflammatory environment via attenuating autophagy. Dr. Shadab Raza, Department of Biotechnology and Stem Cell & Restorative Neurology Lab.
3. Aluminum Chloride Induced Neuroinflammation Negatively Affects Adult Hippocampus Neurogenesis and Induces Cognitive Impairment in Aged Mice. Stem Cell & Restorative Neurology. Dr. Shadab Raza, Department of Biotechnology and Stem Cell & Restorative Neurology Lab.

### New Intramural Research Projects- 2016 (Under process)

1. Emphasis on Hospital generated antibiogram on the basis of Molecular characterization of metallo-beta lactamases (MBL) producing gram negative isolates from Era's Lucknow Medical College & Hospital. Dr. Fareya Haider, Department of Microbiology.
2. Translation and validation of children's report of sleep patterns (CRSP) in Hindi language. Dr. Sumaiya Shamsi, Department of Pediatrics .
3. Prevalence of Vitamin B<sub>12</sub> and Iron Deficiency in patients with CHF in a therapeutic hospital in Lucknow. Dr. Eqbal Anwar, Department of Physiology
4. Comparative Analysis of Adenosine D Aminase (ADA) and Polymerase chain reaction (PCR) in Diagnosis of Tubercular Pleural Effusion. Dr. Anand Verma, Department of Pulmonary Medicine.
5. A study of prevalence of Obstructive Sleep Apnea in healthy relatives of patients attending Era's Lucknow Medical College. Dr. Saurabh Karmakar, Department of Pulmonary Medicine.

### Completed Intramural Research Project - 2016

1. Perceptions of undergraduate students & faculty about utility of multimodal instructional approach to aid learning. Dr. Shuchi Consul, Assistant Professor, Department of Obstetrics & Gynecology.
2. Efficacy of Sputum examination for detection of lung malignancies as compared to BAL & Bronchial aspirate. Miss Mukta Tiwari, Student of MBBS-III, Guide Name - Dr. A.N. Srivastava, Department of Pathology.
3. Association of Thyroperoxidase antibodies and TPO gene polymorphism in hypothyroid pregnant women of Lucknow and its surrounding areas. Dr. Rachna Ahuja, JR-II, Biochemistry, Guide Name - Dr. Anu Chandra, Department of Biochemistry.
4. A Pharmacogenetic Study for Organic Cation Transporter 1 Polymorphism for Metformin in a Tertiary care Hospital in North India. Dr. Sukhpreet Singh, JR-II, Pharmacology, Guide Name - Dr. Tariq Salman, Associate Professor, Department of Pharmacology.



### Faculty Intramural Projects Approved by Institutional Ethics Committee

1. Assessment of Central Cognitive Processing, using Auditory P300 Evoked Potential, in Patients with Migraine and its correlation with Disease Duration and Severity. Dr. Pooja Ojha, Associate Professor, Department of Physiology.
2. Assessment of Protective Effect of Preparation from Fruits of Anthocephalus Indicus (KADAM) in Diabetic- Dyslipidemia. Dr. Vishnu Kumar, Associate Professor, Department of Biochemistry.
3. A study to Assess the Iodine Deficiency Disorder and Salt Consumption Pattern in Lucknow. Dr. Pratibha Gupta, Professor, Department of Community Medicine.
4. Serotonin Transporter Promoter Polymorphism (5HTTLPR) and Severity of Depression. Dr. Shantanu Bharti, Associate Professor, Department of Psychiatry.
5. Evaluation of efficacy of esters methyl butyrate (MB) and ethyl acetate (EA) on chemically induced lung cancer in mice versus in vitro efficacy on lung. Mr. Mohsin Ali Khan, EET.
6. To Study The Morphology And Morphometry of Middle Cranial Fossa Foramina in Human Skull. Dr. Mumal Nagwani, Associate Professor, Department of Anatomy.
7. A Study of Anti-inflammatory Activity of novel vesicular form of Berberis aristata in Experimental Models of Acute and subacute Inflammation. Dr. Dilshad Ali Rizvi, Associate Professor, Department of Pharmacology.

### Achievements and Awards

1. OUTSTANDING REVIEWER AWARD, Journal of Association of India, Dr. Jalees Fatma, Professor & Head, Department of Medicine.
2. FELLOWSHIP OF INDIAN COLLEGE OF PHYSICIANS
  - ♦ Dr. Jalees Fatma, Professor & Head, Department of Medicine.
  - ♦ Dr. Ritu Karoli, Professor, Department of Medicine.
3. Zehra Akhtar, M.B., B.S. first year student of Era's Lucknow Medical College and Hospital bagged the second rank in the national level MediQuiz organized by the Quizential on 14th May 2016. Several students from eminent medical institutes of India had participated in the Quiz. Satya Prakash and Swati Sonal from AIIMS Delhi bagged the first and third prizes respectively. Dr. Syed Tasleem Raza (Associate Professor, Biochemistry) and Dr. Dilshad Rizvi (Associate Professor, Pharmacology) coordinated this quiz competition at Era's Lucknow Medical College. Dr. Farzana Mahdi (Director Academics, ELMCH) congratulated the winner and wished her greater success in life.



Diabetes quiz on world health day 7th April, 2016 organised by department of Medicine

### International Conferences

- Dr. Sanjeev Kumar, ASAMI International fellowship NRRRA Beijing China-May 2016
- Dr. Vineeta Khare accepted for 1 month international observer fellowship from 15th June, 2016 at Wayne State University Medical Centre, Department of Infectious Diseases at Detroit, Michigan. USA.
- Detection of aldehyde dehydrogenase (aldh1) cancer stem cell (csc) marker in lung cancer and its correlation with patient prognosis=topic FOR E POSTER PRESENTATION in International association of pathology conference cologne Germany -24-29 September 2016, Dr. Neema Tiwari, JR-II, Pathology.

### Papers presented by Ph.D. Scholars in International meetings

1. Role of miRNA-335 in gallbladder cancer: A correlative study (Ms. Naseem Fatima)
2. Oct-4 IHC & miR-145 tissue expression in UBC: Association with severity of the disease (Ms. Zainab Siddiqui)



Dr. Neema Tiwari



Ms. Naseem Fatima



Ms. Zainab Siddiqui

### Forth Coming Research Meeting in Era's Lucknow Medical College & Hospital

S.No.	Date	Training	Venue
1	22, July 2016	Ethics in Post Graduate Medical Research	LT-4 College Building
2	27, July 2016	Stem Cell research National Meeting	Committee Room College Building, 1st Floor
3	21-22 September 2016	Institutional Biosafety Committee for Medical Research	LT-4 College Building
4	17-19 November 2016	Research Methodology Training Workshop for Student & Teachers	LT-4 College Building



Prof. Koichi Honma interacting with Under Graduate Students in Pathology

### List of STS ICMR Projects: 2009-2015 (Completed)

1. Clinico-mycological pattern of pityriasis versicolor in Lucknow, Uttar Pradesh, Miss Mamta Yadav, MBBS Student, Mentor- Dr. Devesh Mishra, 2009
2. Normal peak expiratory flow rate in urban and rural school going children of Lucknow, (Uttar Pradesh, North India), Miss Tanya Tripathi, MBBS Student, Mentor- Dr. Shitanshu Srivastava, 2009
3. Correlation of immunohistochemical myelination with diffusion tensor magnetic resonance imaging in the developing foetal corpus callosum, Miss Irma Husain, MBBS Student, Mentor- Dr. M.S. Siddiqui, 2010
4. A comparative study of effect of various statins on hs-crp and lipid profile in type 2 diabetes mellitus patients, Miss Tanu Raja, MBBS Student, Mentor- Dr. Suyog Sindhu, 2010
5. A prospective study of visual field changes in patients receiving ethambutol as a part of D.O.T.S. therapy, Miss Saloni Mehra, MBBS Student, Mentor- Dr. Pragati Garg, 2010
6. Prevalence and predictors of premenstrual syndrome and premenstrual dysphonic disorder among Indian medical students (Uttar Pradesh, North India), Miss Ayesha Ansari, MBBS Student, Mentor- Dr. Shipra Kunwar, 2011
7. Assessment (and comparison) of purine analogue (Allopurinol) and non-purine analogue (Febuxostat) as xanthine oxidase inhibitor for management of hyperuricemia, Mr. Anand Vardhan, MBBS Student, Mentor- Dr. Devendra Kumar, 2011
8. Detection of CD133 stem cell markers in oral pre-cancer and oral cancer, Miss Anjili Giri, MBBS Student, Mentor- Dr. A. N. Srivastava, 2014
9. Early detection of ovarian cancer through urinary CA 125, Mr. Vedansh, MBBS Student, Mentor- Dr. Nirupma Lal, 2014
10. Adenomatous hyperplasia of gall bladder in a carcinoma gall bladder endemic zone: a clinicopathological study, Miss Amber Rana, MBBS Student, Mentor- Dr. Parul Gupta, 2014
11. Micro RNA – 21 Over Expression in cases of Oral Leukoplakia and Cancer, Miss Chandni Jain, MBBS Student, Mentor- Dr. Nishi Tandon, 2014
12. Correlation of urinary cytology with tumour invasiveness in patients of urinary bladder cancer, Miss Aliya Gul, MBBS Student, Mentor- Dr. Noorin Zaidi, 2014
13. Association of ACE gene polymorphism in Type-2 Diabetes mellitus with hypertension among North Indian population, Mr. Paarth Garg, MBBS Student, Mentor- Dr. S. Tasleem Raza, 2014
14. Assessment of oxidative stress in patients of coronary artery disease in and around Lucknow, Miss Monika Sharma, MBBS Student, Mentor- Dr. Brijesh Singh Rathore, 2014
15. Correlation Of ALDH1 Stem Cell Marker In Urinary Bladder Cancer With Invasiveness, Miss Anam Aziz, MBBS Student, Mentor- Dr. Noorin Zaidi, 2015
16. Fungal infections in Oral scraping smears in patients of Oral Cancers and Pre-Cancers, Miss Chitra jain, MBBS Student, Mentor- Dr. Nishi Tandon, 2015
17. Association of glucocorticoid receptor gene polymorphism in type 2 diabetes mellitus among north Indian population, Miss Kisa Saiyada, MBBS Student, Mentor- Dr. S. Tasleem Raza, 2015

18. A Study of SLC22A1 Polymorphism In Patients of Type 2 Diabetes Mellitus in North Indian Population, Miss Monica Sharma, MBBS Student, Mentor- Dr. Pooja Shukla, 2015
19. CD-133 Stem Cell Marker In Cervical Cancer, Mr. Paarth Garg, MBBS Student, Mentor- Dr. A. N. Srivastava, 2015

### Running STS ICMR Projects: 2016

1. Efficacy of sputum examination for detection of lung malignancies as compared to BAL, Miss Mukta Tiwari, MBBS Student, Mentor- Dr. Nishi Tandon, 2016
2. Study of Nanoparticle Migration Towards Ischemic Area in Chick Model for Cerebral Palsy, Mr. Parth Garg, MBBS Student, Mentor- Dr. Syed Shadab Raza, 2016
3. Potential Risk Factors for Oral Potentially Malignant Disorders in a Sub-Urban Population, as seen in a Tertiary Care Hospital". (Lucknow and adjoining districts), Mr. Saboor Mateen, , MBBS Student, Mentor- Dr. Anuja Bhargava, 2016
4. Comparative study of renal function tests in obese and non obese children, Miss. Saman Shah, MBBS Student, Mentor- Dr. Aprana Mishra, 2016
5. Association of angiotensin-converting enzyme and glutathione s transferase m1, t1 genes polymorphism with coronary artery disease cases, Miss. Sovana Chatterjee, MBBS Student, Mentor- Dr. Kanchan Singh, 2016

### List of UG STS Intramural Projects: 2011-2015 (Completed)

1. Study of general profile of cases admitted with bowel perforation in 6 months, Mr. Narendra Pratap Singh, MBBS Student, Mentor- Dr. M. S. D. Jaiswal, 2011
2. Pre-operative prediction of difficult laparoscopic cholecystectomy- A retrospective study, Miss. Chhaya Kushwaha, MBBS Student, Mentor- Dr. A.H. Rizvi, 2011
3. Incidence of various urinary tract diseases in (patients presenting) local population, Mr. Jaun Zeb, MBBS Student, Mentor- Dr. Sanjay Bhatt, 2011
4. Universal sample processing methodology for detection of Mycobacterium tuberculosis in pulmonary and extra pulmonary specimens by smear microscopy and culture, Mr. Shabeena Jamal, MBBS Student, Mentor- Dr. Vineeta Mittal, 2011
5. Effects of isometric exercise on cardiovascular parameters in males and females and their association with BMI, Miss Neema Tiwari, MBBS Student, Mentor- Dr. Seema Singh, 2011
6. Cytokeratin 5/6 expression in benign and malignant breast disease, Miss Samreen Kazmi, MBBS Student, Mentor- Dr. Cherry Bansal, 2011
7. Ultrasonographic study of prostate in geriatric persons, Miss Sweta Verma, MBBS Student, Mentor- Dr. Nikha Bhardwaj, 2011
8. Assessment of the expression of estrogen and progesterone receptors in benign gallbladder lesion, Miss Alisha Abbas, MBBS Student, Mentor- Dr. Parul Gupta, 2011
9. A study to assess awareness of cancer amongst college students, Miss Fatima Anjum, MBBS Student, Mentor- Dr. Pankaj Bhardwaj, 2011
10. A study to assess the knowledge, attitude & practice regarding HIV amongst college students, Mr. Mohd. Talib, MBBS Student, Mentor- Dr. Pratibha Gupta, 2011
11. Post operative wound complications of elective surgery, Miss. Prerna Verma, MBBS Student, Mentor- Dr. J. Sharan, 2011



12. Anatomical basis of spinal injuries, Miss Shreshtha Jain, MBBS Student, Mentor- Dr.Vineeta Tiwari, 2011
13. Gummy smile Botox- a non Surgical path Breaker, Miss Kanchan Singh Yadav, MBBS Student, Mentor- Dr. Amit Bhasin, 2011
14. Antimicrobial activity of some Indian medicinal plants against clinical strains of vancomycin resistant staphylococcus aureus (VRSA), Mr. Mohd. Tauseef Khan, MBBS Student, Mentor- Dr. Mohd. Tariq Salman, 2011
15. Detection of CD133 stem cell markers for oral cancer, Miss Anjili Giri, MBBS Student, Mentor- Dr. A. N. Srivastava, 2014
16. Micro RNA – 21 Over Expression in cases of Oral Leukoplakia and Cancer as a prognostic Marker, Miss Chandni Jain, MBBS Student, Mentor- Dr. A.N. Srivastava, 2014
17. Adenomatous hyperplasia of gall bladder in our surrounding population and its susceptibility of converting into malignancy, Miss Amber Rana, MBBS Student, Mentor- Dr. A. N. Srivastava, 2014
18. Detection of ALDH-1 and NANOG positive oral Cancer stem cells in Oral leukoplakia, Miss Aliya Gul, MBBS Student, Mentor-Dr.A. N. Srivastava, 2014
9. A study of cardiovascular risk factors in patients with prediabetes, Shri Saghar Jain, MBBS Student, Mentor-Dr. Ritu Karoli, 2015
10. Presence of Cervical Candidiasis & Trichomonas vaginalis infection & Symptomatology in Rural women in Western Lucknow, A Pap smear study, Miss Sanchi Gagneja, MBBS Student, Mentor- Dr. A. N. Srivastava, 2015
11. Easy way of Detection of AFB in sputum by Fluorescent Microscopy, Mr. Aditya Kumar, MBBS Student, Mentor- Dr. A. N. Srivastava, 2015
12. Soft Drinks Containing Artificial Sweetener Consumption and the risk of nonalcoholic fatty liver disease, Sara Sabina Ahmad, MBBS Student, Mentor- Dr. Zeba Siddiqui, 2015
13. Prevalence of antimicrobial resistance in Escherichia coli isolated from Urinary tract infection (UTI) samples, Miss Huda Wasim, MBBS Student, Mentor-Dr. Fareya Haider, 2015
14. Cystatin C as a marker of renal impairment in hypertensive and pre-hypertensive patients, Mr. Apoorv Pankaj, MBBS Student, Mentor- Dr. Anu Chandra, 2016

#### Running UG STS Intramural Projects: 2015-2016

1. Efficacy of Sputum examination for detection of lung malignancies as compared to BAL & Bronchial aspirate, Miss Mukta Tiwari, MBBS Student, Mentor- Dr. A. N. Srivastava, 2015
2. Knowledge Attitude and Practices of Adolescent School Girls regarding Menstrual Hygiene in Lucknow district, Miss Sapna Singh, MBBS Student, Mentor- Dr. Ruby Khatoon, 2015
3. Potential Risk Factors for Oral Premalignant Potentially Malignant Disorders in a Sub-Urban Population, as seen in Tertiary Care Hospital Lucknow India, Mr. Saboor Mateen, MBBS Student, Mentor- Dr. Anuja Bhargava, 2015
4. Prevalence of Vancomycin resistance in Enterococcus species isolated from Urine samples and their sensitivity pattern, Miss Darakshan Jabeen, MBBS Student, Mentor- Dr. Vineeta Khare, 2015
5. A study of Knowledge, Attitude & Practice of Breastfeeding of Mother Attending Rural and urban Counters in Lucknow, Miss Sachi Ojha, MBBS Student, Mentor- Dr. Shitanshu Srivastava, 2015
6. Detection of AFB in cervical TB lymph node biopsies of suspected cases of Koch's pathology by immunohistochemistry (IHC), Miss Amna Khan, MBBS Student, Mentor- Dr. A. N. Srivastava, 2015
7. Awareness regarding pesticide use among farmers in rural area of Lucknow District, Miss Pratiksha Gupta, MBBS Student, Mentor- Dr. Beena Sachan, 2015
8. Relationship between serum calcium and ALP osteoporosis

#### Era's Student excel at KARMIC- 2016 in Patna



The 5<sup>th</sup> International UG Medical Research Conference of Indian Medical Association- Students' Wing( IMA-SW) at Indira Gandhi Institute of Medical Sciences in Patna was a three day conference which was inaugurated by Padamshree Dr. KK Agarwal , Secretary General Of Indian Medical Association. Around 650 delegates from eminent medical institutes of India and abroad viz AIIMS Delhi, PMCH, IPGIMER, JIPMER, AIIMS Raipur, Patna, etc. had participated. Paarth Garg ( IIIrd year) won the 1st prize in oral paper presentation and also bagged the opportunity to present his paper and will represent India in Manchester, England on the platform of IMA. Samriddhi Dubey and Faiz Abbas Abidi (1st year) also won the 3<sup>rd</sup> prize in the debate competition. The students who participated in the conference were Sara, Waris, Faraz, Apoorv, Shreya, Fareena, Hera, Adiba, Shubhi and Saisha. The team of Era's Lucknow Medical College was mentored under the guidance of Dr.S. Tasleem Raza ( Associate Professor, Biochemistry). Dr. Farzana Mahdi ,( Director Academics , Era's Lucknow Medical College ) congratulated all the winners and participants and wished them greater success in their future endeavours.





## MEDICON 2016 SCHEDULE

### DAY 1

TIME	EVENT	VENUE
8:00-10:00	Breakfast	Catering Area
	Registration	Registration Counter
10:00-13:00	Pre Conference Workshops (Session-I)	Mentioned Venues
13:00-14:00	Lunch	Catering Area
14:00-17:00	Pre Conference Workshops (Session-II)	Mentioned Venues

### DAY 2

TIME	EVENT	VENUE
07:30-09:30	Breakfast	Catering Area
	Registration	Registration Counter
07:30-09:30	Polemics: The Debate (Preliminary Round)	Hall 4
09:30-10:15	Lecture I by Prof. Abbas Ali Mahdi on "Adverse Affects of Toxic Elements on Human Health: An Overview"	Hall 6
10:15-10:30	Break	-
10:30-11:15	Lecture II by Prof. Venkatesh Thuppil on "Individual Impact on Societal Changes-A Multi disciplinary Approach"	Hall 6
11:15-11:30	Break	-
11:30-13:15	Resuscitate: Junk to Funk	Hall 8
11:30-13:15	Oral Presentation	
	-Session I	Hall 1
	-Session II	Hall 2
	-Session III	Hall 3
	-Session IV	Hall 4
13:15-14:00	Lunch	Catering Area
14:00-16:00	Inauguration Ceremony & High Tea	Hall 6
16:00-16:30	Noesis: The Medical Quiz (Preliminary Round)	Hall 2
18:30 Onwards	GALA NIGHT	Hall 6

### DAY 3

TIME	EVENT	VENUE
07:30-09:00	Breakfast	Catering Area
09:00-09:45	Lecture III by Prof. Gustavo Zubeita Calleja on "High Altitude Medicine"	Hall 6
09:45-10:00	Break	-
09:30-11:00	Perfabrico: The Poster Making Competition	Hall 5
10:00-10:45	Lecture IV by Dr. Hari S. Sharma on "Importance of Translational Research in Medical Education"	Hall 6
10:45-11:00	Break	-
11:00-13:00	Polemics: The Debate (Final Round)	Hall 6
13:00-13:45	Lunch	Catering Area
13:45-15:00	Res Novae: Ad-Mad	Hall 6
15:00-16:30	Oral Presentation	
	-Session V	Hall 1
	-Session VI	Hall 2
	-Session VII	Hall 3
15:00-16:30	Poster Presentation (Session VIII)	Hall 5
16:30-17:30	Colloquy: The Teacher Student Panel Discussion (Preliminary Round)	Hall 8
19:00 Onwards	CULTURAL NIGHT	Hall 6

### DAY 4

TIME	EVENT	VENUE
07:30-09:00	Breakfast	Catering Area
09:00-09:45	Lecture V by Prof. Lindsay Brown on "The Science Behind Food as Medicine for Obesity"	Hall 6
09:45-10:00	Break	-
10:00-12:00	Noesis: The Medical Quiz (Final Round)	Hall 6
12:00-13:00	Lecture VI by I. Dr. Roli Mathur on "Role on Clinical Research in India"	Hall 6
13:00-13:45	Lunch	Catering Area
13:45-15:30	Colloquy: The Teacher Student Panel Discussion (Final Round)	Hall 3
16:30 Onwards	VALEDICTORY CEREMONY	Hall 6

## About Medicon



Medicon Team

MEDICON is a research-focused medical conference for undergraduate medical students, and will take into account a range of pre-conference workshops related to research. Every year it is conducted in a different college, by a fresh committee. And almost a decade later, it has graced us with its presence at Era's Lucknow Medical College and Hospital this year!

This international conference is an exciting learning opportunity to meet fellow medical students, interact with some of the best doctors of different fields and enhance your social circle.

Every year, INFORMER, the main organising team behind MEDICON, aims to target a topic which is innovative, modern and scholarly.

The topic or theme includes a diagnostic problem and a corresponding challenge to form evidence based conclusions on medical management.

It works up students to wake their minds and explore the theme, infer from it and then present and vindicate their understanding of the given topic. The theme for the 10th annual MEDICON is "Bench to bedside: Translational medicine"

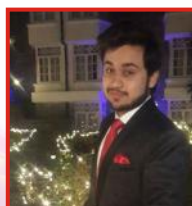
Translational medicine is defined a discipline within biomedical and public health research that aims to improve the health of individuals and the community by "translating" scientific laboratory findings into everyday hospital diagnostic tools, medicines, procedures, policies and education of both patients and medical students.

It is an up and coming discipline under biomedical research and aims to accelerate the rate of discovery of new technology and treatments and its delivery to needy patients by using the unique "Bench to Bedside" approach.

"Bench to bedside" or from the research lab to hospital ward approach is a method to innovate medical tools by scientific methods and avail them to the public after the tools undergo vigorous research and trials.

The four day event will include paper presentations, workshops, competitions and a wide array of activities targeting academics.

The various competitions being held this time (quiz, debate, poster making, teacher student discussion panel etc.) will revolve around the dire need of this branch of medicine and its expansion.



Mr. Shivam Mehra  
Organizing Secretary



Miss. Shipra Shukla  
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