

Robert Vadra serves food to underprivileged people outside the AIIMS in New Delhi.

18 AIIMS Staffers Sacked For Raising Salary Cut Issue

members of the All India Institute of Medical Sciences (AIIMS) here have been terminated from service allegedly for taking up the issue of 'sudden cut in salary" with the AIIMS authorities.

Union,

management company —

Sudarshan Facilities Pvt

Ltd — was in December

2016 given the contract for

hiring housekeeping staff

in the main AIIMS

Trauma Centre, also

known as Jai Prakash

Narayan Apex Trauma Centre. "The workers

employed under the

contract were hired for Rs

9,500. But, since January

this year, the workers were

receiving only Rs 8,500.

On March 1, the issue was

initially taken up with the management of the company, which failed to

come up with any reply.

approached the Additional

Medical Superintendent

of AIIMS Trauma Centre Dr Amit Gupta, who

instead of solving the

matter called police,"

Mriganka, General Secretary of the union, told IANS. Mriganka said

the police manhandled the

"Thereafter,

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sacked employees, who are among the 350 other Class IV staff members employed on contractual basis, alleged that they were also manhandled by police when the matter was taken up with the hospital authorities.

They complained that the salary of Rs 9,500 was suddenly reduced to Rs 8,500, without giving any reason. According to the Hospitals

Contractual Workers group of workers and told facility them of return to work. "As the Additional

> Medical Superintendent failed to solve the issue, we took up the matter with the Labour Commissioner, who spoke to the company representative Sudarshan Facilities Pvt Ltd and asked us to return to work.

> "However, the next day when we reported for duty, we found that the services of 18 of our colleagues were without terminated, restoring the previous

> salary," said Mriganka.
> When contacted, there was neither any response from Amit Gupta nor from Sudarshan Facilities Pvt Ltd.

Seeking minimum wages and timely payments, the workers have also demanded that the terminated staff members be reinstated forthwith, with continuity in service. In a letter to the

AIIMS Deputy Director, the contractual workers' union has alleged that they were also being compelled to perform the work of Class III staff, like OT technicians and computer

This practice was lowering the standards of medical care, as Class IV workers were supposed to do sanitation work, work as ward boys and other similar other works, the letter pointed out.

The letter also mentioned the delays in payment of wages and denial of bonus. "The workmen are

given their wages around 15th to 20th of every month, which violates the Payment of Wages Act. Though the permanent employees at both centres get bonus, these employees doing similar nature of work, even more at times, do not get bonus during festivals," the letter read.

Eating Fresh Fruits Everyday May Keep Diabetes At Bay

London: A bowl of fresh fruits a day may lower the risk of developing diabetes by 12 per cent, a

study has showed. In individuals with diabetes, consuming fresh fruit more than three days a week was associated with a 17 per cent lower relative risk of dying.

Further, it can lower the risk of developing diabetes-related complications affecting large blood vessels -- ischaemic heart disease and stroke -- and small blood vessels -- kidney diseases, eye diseases, and neuropathy -- by 13-28 per cent, the findings

Although the health benefits of diets including fresh fruit and vegetables are well established, the relatively high sugar content of fruit has led to uncertainty about associated risks of diabetes and of vascular complications of the disease, said Huaidong Du of the University of Oxford. This has led to frequent abstention from fruit consumption among individuals with diabetes in many parts of the world, he noted in the paper published in the journal PLOS Medicine.

The study, which assessed nearly 500,000 people from China, also showed that people who reported elevated consumption of fresh fruit had an estimated 0.2 per cent reduction in the absolute risk of diabetes over five years.

In addition, higher consumption of fresh fruit in people with diabetes, led to the decrease in mortality risk of 1.9 per cent at five years, and lower risks of microvascular and macrovascular

Breaking The Barrier Of The Skin For Better Management Of Skin Health

Ratneshwar Thakur

Entry of nanocomplexes into skin layers may eliminate the need of painful needles and injections. A team led byDr.

Munia Ganguli, Scientist at Institute of Genomics and Integrative Biology (IGIB)-New Delhi, -from the field of Nanobiotechnology -- is the first to develop a unique approach whereby pretreatment of skin with silicone oil can improvise entry nanocomplexes, comprising of plasmid DNA and a peptide carrier, up to deeper layers of skin just by a topical application. The results of the study were published in the journal Molecular Therapy.

Large surface area of the skin makes it convenient for skincare formulation to treat a multitude of skin conditions. Skin is a major barrier against absorption of external agents in our body. delivery across such interface is itself a challenging task.A topical medication is intended to have an effect at the site application. Transdermal medications are absorbed through the skin to have an effect in areas of the body away from the site of

application. "Recently there has been an upsurge in number of individuals affected from skin related disorders which in turn affects their overall quality of life," says
ManikaVij, one of the skin has always been

understanding of the

says, this motivated her to life saving therapy in focus her research on cutaneous disorders. "Nucleic acids (DNA or



intricacies of biomolecule delivery in skin and to develop an effective treatment modality for such individuals whereby they can regain the confidence and are no more ostracized for skin related issues". The group has been

working on peptide mediated delivery of DNA to cells and organs for many years. The motivation of Dr. Ganguli and her team was to develop a non-invasive Therefore aiming for and non-toxic method of molecules that can topical/transdermal nucleic acid delivery to eliminate the need skin. In this study we have used, in a synergistic manner, a chemical enhancer namely silicone oil and a peptide to allow large negatively charged molecules like DNA to get into the skin layers," says Dr. Ganguli. "Usually the techniques that are used for DNA delivery to skin are harsh, toxic and often cumbersome to use. Thus it was very exciting for us to observe that we could efficiently deliver DNA to deeper skin layers in a simple manner," she said.

author of the paper. She challenging prospect for her finding.

RNA) have potential to be used as therapeutics for different skin disorders. Our method is simple to use, non-invasive and does not damage the skin integrity, and hence possibly patient compliant", says the study

The study leader and her team believe that a detailed study of this method could dramatically redefinethis strategyfor transdermal delivery of other such ofpainful needles and injections.

"We can extend this strategy for easy delivery of other large molecules which can be important for anti-aging applications, and cosmeceuticals, the combination of cosmetics and pharmaceuticals. There is also a possibility of easier delivery of growth factors for improved skin health. These are of course long term projections and a lot more validations will be needed to reach there", Dr. Ganguli explained about the future perspectives of

Childhood Cancer Cases Up By 13 Per Cent Over Two Decades: WHO

incidences worldwide increased by about 13 per cent in the last decade, with annual cases reaching 140 per million children aged 0-14 years, according to a new WHO report.

Part of this increase may be due to better, or earlier, detection of these cancers, the report said.

Based information collected globally on almost 300,000 cancer cases diagnosed in 2001-2010, the study showed that leukaemia is the most common cancer in children younger than 15 years, making up almost a third of childhood cancer cases.

Tumours of the central nervous system ranked second (20 per cent of cases), and lymphomas accounted per cent of cases,

London: Childhood by the International years," said IARC 10 per cent of the world's Agency for Research on Cancer (IARC), part of the World Health Organisation (WHO).

In children younger than five years, a third of the cases were embryonal tumours, such as neuroblastoma, retinoblastoma, nephroblastoma, hepatoblastoma.

The report also, for the first time, shows cancer occurrence in adolescents aged 15-19 years. The annual incidence rate was per million adolescents, based on records of about 100,000 cancer cases. The most common

cancers were lymphomas (23 per cent), followed by the cases classified as carcinomas and melanoma (21 per cent). "Cancer is a significant cause of death in adolescents, in spite of its relatively rare occurrence according to the study before the age of 20 territories, covering about information needed to start



Director Christopher Wild. "This extensive new

set of information on the pattern and incidence of cancer in young people is vital to raise awareness and to better understand and combat this neglected area of health early in life," Wild said.

Data for the study children and was collected by 153 cancer registries in 62 countries, departments and

population of children. However, results reported are based on child population coverage of almost 100 per cent in North America and western Europe and of five per cent or less in Africa

and Asia. Incidence rates, which indicate the number of new cases per population at risk per year, are the first piece of

In low-resource settings, cancer may go undiagnosed, because awareness is lacking or diagnostic equipment is unavailable.

Also, social factors may explain the unexpectedly low rates reported particularly for infants or for girls in certain low-resource countries. "This study provides the essential data we need to offer early detection, treatment, and care programmes and services for children with cancer," said Tezer Kutluk, from the Union for International Cancer Control (UICC). "It is very important that we global improve monitoring of cancer in children and address the gaps in surveillance data across regions," said Kutluk. The research was bublished in The Lancet Oncology journal.

One-Third Pregnant British Women Drink Alcohol: Survey

abstain from alcohol during pregnancy, alcohol consumption during pregnancy nearly one in three pregnant women in were more likely to be older, highly Britain drinks alcohol, a survey of 11 educated, employed and had smoked European countries has shown.

highest in alcohol consumption during pregnancy, followed by Russia (26.5 per cent) and Switzerland (20.9 per cent). per cent) were found to consume alcohol premature birth, low birth weight,

followed by Sweden (7.2 per cent) and problems. Poland (9.7 per cent). "The drinking behaviour between countries can during pregnancy. We therefore have many explanations besides recommend that all pregnant women variations in willingness of women to should adhere to the guidelines for total provide information about their alcohol alcohol abstinence during pregnancy,"

Norwegian Institute of Public Health. national guidelines or educational were new mothers (with a child up to campaigns about drinking during one-year-old). The surveyed countries pregnancy, differences in prenatal care included Croatia, Finland, France, Italy, and attitudes towards alcohol use in Norway, Poland, Russia, Serbia, pregnancy, or a combination of all these Sweden, Switzerland and Britian.

London: Despite recommendations to factors. Further, women who reported before pregnancy, the researchers said Britain (28.5 per cent) scored in the paper appearing in the journal Women and Birth.

Alcohol can seriously affect the development of an unborn baby, In contrast, women in Norway (4.1 increasing the risk of miscarriage, the least during pregnancy. They were learning difficulties and behavioural

There is no defined safe "Differences in pregnant women's minimum amount of alcohol to drink consumption during pregnancy," said Nordeng noted. For the study, a total Hedvig Nordeng, Professor from the of 7,905 women from 11 European countries were surveyed, of whom 53 There could also be differences in per cent were pregnant and 46 per cent



Dr. N K Pandey (R) Chairman & Managing Director, Asian Institute of Medical Sciences, 15 years old girl from Iraq Banin Mohamad Humza (2nd R) and Humza's father at a press conference at Press Club in New Delhi. Matched Unrelated Donor technique saved 15 year old girl from Iraq suffering from aplastic Anemia.

First Light-Activated Drug Offers Hope For Pain Treatment

London: In a first, scientists have developed a drug activated by light which has therapeutic applications for the treatment of pain.

The new "photo-drug" -- JF-NP-26 -- is a molecule that

can be specifically activated at any wished moment (that is, with a high spatiotemporal resolution) with light, the researchers said. This is the first light-activated drug designed for the treatment of pain in vivo with animal models," said Francisco

Ciruela, Professor at the University of Barcelona JF-NP-26 is activated when receiving light -- using an optical fibre -- of a suitable wave length and with an exact precision

on the target tissue (brain, skin, articulations, etc). The drug does not show toxic or unwanted effects even if the dose is high in short-length studies on animals.

The discovery, published in the journal eLife, will overcome the problems faced with the uses and effects of current drugs

such as slow and inexact distribution of the drug, lack of spatiotemporal traits in the organism and difficulties in the dose adjustments, the researchers said.

JF-NP-26's lightening includes a treatment on the molecule that releases the active molecule (raseglurant) that blocks the metabotropic glutamate type 5 (mGlu5) receptor, found in lots of neuronal functions such as the spread of neuronal pain.

Blocking this receptor allows preventing the pain from spreading into the brain. This can be produced both due to the outlying neurons and the central nervous system (brain) and create, in both cases, an analgesic effect as a result. "The molecule created by the action of light, the raseglurant, does not belong to any group of drugs from the classic anti-pain list of drugs: nonsteroidal anti-inflammatory drugs or NSAID (paracetamol, ibuprofen, etc.) and opioids (morphine, phentanyl)," Ciruela said.

Against Vector Borne Diseases In Hospitals: Nadda New Delhi: Union Health Minister J.P. Nadda on Wednesday directed health

Check

Preparedness

officials to conduct regular supervisory visits to hospitals to check the preparedness against vector-borne diseases, and if needed, provide on the spot technical guidance. The decision was

taken after 79 new cases of chikungunya and 24 cases of dengue were reported in the national capital since January 1. These cases were reported though the season for vector borne diseases in Delhi is between July and December. The minister has also

asked the health officials across the country to intensify Information, Education Communication (IEC)

campaigns on prevention and control of the vector borne diseases. Nadda on Wednesday

held a meeting of health officials to check the preparedness against vectors in the central government hospitals.

According to the ministry, advisories have already been sent to all states for strengthening their preparedness before the dengue season. Nadda also directed the officers to review the preparedness of the states through a video conference.