



ARTS



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81 Museum Exhibitions and Biennials to See This Fall

Monday, October 28, 2024

In a word, this fall's offerings are electric. The word shows up in the titles of not one but two tech-minded shows—one devoted to Op art and its influence, the other to the rise of digital art, at the Buffalo AKG Art Gallery and Tate Modern, respectively. It may as well also have figured in the name of a survey of women artists who involved computers in their art at MUDAM in Luxembourg, or to an exhibition about digital effects technologies at LACMA.

But the word “electric” might also be used to characterize a number of more analog offerings as well. The Centre Pompidou's long-awaited Surrealism blowout is finally nearly upon us, as are retrospectives for well-established figures such as Lygia Clark, Thomas Schütte, Amy Sherald, Elizabeth Catlett, Sophie Calle, Rotimi Fani-Kayode, and more.



<https://www.theartnewspaper.com/2024/11/01/leonardo-cartoon-was-presentation-drawing-in-florence-commission-bid>

“Connecting Bodies: Asian Women Artists” at National Museum of Modern and Contemporary Art, Seoul

Tuesday, October 29, 2024

In recent years, Seoul's top modern art museum, known as the MMCA for short, has made a concerted effort to acquire more works by Asian women artists. The results of that project form the basis of this show, a wide-ranging survey that stakes a claim for the importance of these artists, many of whom are still awaiting greater recognition outside Asia. Among those artists is Hong Lee Hyun-sook, a giant of feminist art in South Korea, where she is known for artworks that emphasize collaboration and solidarity with animals as a means of liberation.



<https://www.artnews.com/list/art-news/news/fall-2024-must-see-museum-exhibitions-biennials-1234715497/connecting-bodies-asian-women-artists-at-national-museum-of-modern-and-contemporary-art-seoul/>



SPORTS

Hockey India names 18-member squad for Women's Asian Champions Trophy

Monday, October 28, 2024

Hockey India announced the 18-member Indian women's hockey team for the Bihar Women's Asian Champions Trophy Rajgir 2024. The tournament will be held from November 11th to 20th at the newly-developed Rajgir Hockey Stadium in Bihar.

As defending champions, India will enter the competition with high expectations, having clinched the title at last year's edition in Ranchi. The team will face stiff competition from five other nations, including reigning Olympic silver medalists China, Japan, Korea, Malaysia, and Thailand, in the battle for continental supremacy.

The Indian Women's Hockey Team will be captained by Salima Tete, while Navneet Kaur will serve as her deputy. Under their leadership, India aims to defend their title.

https://www.espn.in/espn/story/_/id/42034476/indian-sports-live-october-28-2024-schedule-news-updates-scores-results-commentary

Wrestling: Chirag Chikkara wins gold as India shine with nine medals at U23 World Championships

Monday, October 28, 2024

Chirag Chikkara became only the third Indian Under-23 wrestling world champion as India ended their campaign with a haul of nine medals, including a gold and silver each at the U23 Worlds.

Chikkara, competing in the men's freestyle 57kg category, got a narrow 4-3 win in the closing seconds of the final over Abdymalik Karachov of Kyrgyzstan. Only Paris Olympics bronze medallist Aman Sehrawat and Reetika Hooda have gold medals at this level for India.

Chikkara reached the final after a series of dominant performances, defeating Gaukoto Ozawa 6-1 in the pre-quarterfinals, Lunus Lavbatirov 12-2 in the quarters and Allan Oralbek 8-0 in the semifinals.

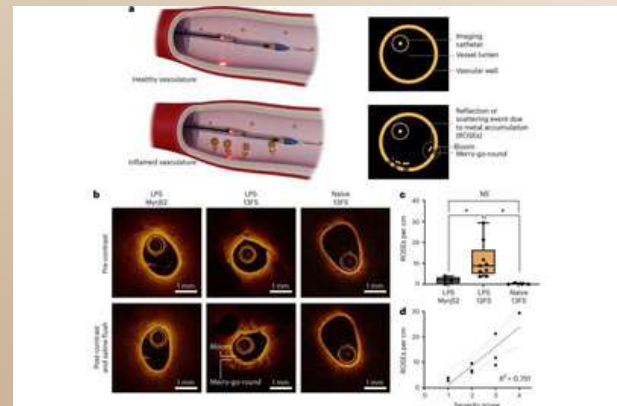
https://www.espn.in/espn/story/_/id/42034476/indian-sports-live-october-28-2024-schedule-news-updates-scores-results-commentary

SCIENCE

The gold standard: Researchers enhance cardiology imaging by using gold nanoparticles

Wednesday, October 30, 2024

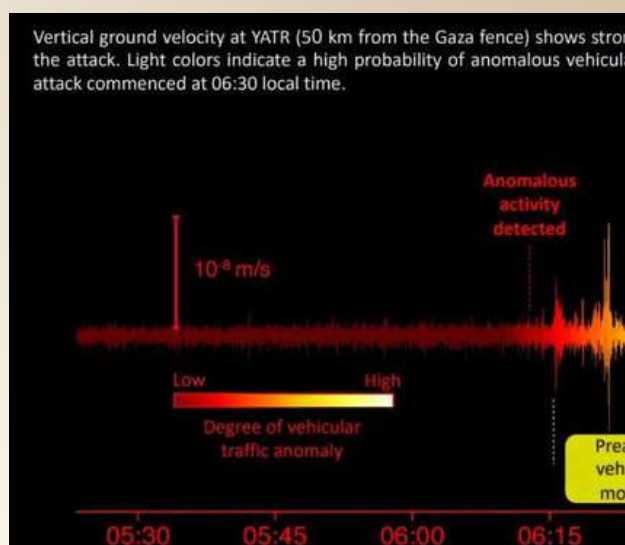
Researchers at the University of Ottawa have made a breakthrough in heart disease diagnostics. They have developed a new type of contrast agent for a medical imaging technique called intravascular optical coherence tomography (IV-OCT). This new agent, made from gold superclusters (AuSC), could improve doctors' ability to diagnose heart conditions. The research team, led by Adam J. Shuhendler, Associate Professor at uOttawa's Department of Chemistry and Biomolecular Sciences, created these gold superclusters to work with the near-infrared light used in IV-OCT.



<https://phys.org/news/2024-10-gold-standard-cardiology-imaging-nanoparticles.html>

Analysis of ground motions reveals the seismic signature of Hamas forces en route to their attack

Thursday, October 31, 2024



A study in the field of forensic seismology, conducted by Tel Aviv University researchers, has identified the seismic signature of Hamas forces' movement before the October 7 attack. Researchers from the Department of Geophysics at Tel Aviv University's Porter School of the Environment and Earth Sciences and Sackler Faculty of Exact Sciences recently analyzed data recorded at three seismic stations in southern Israel.

<https://phys.org/news/2024-12-analysis-ground-motions-reveals-seismic.html>

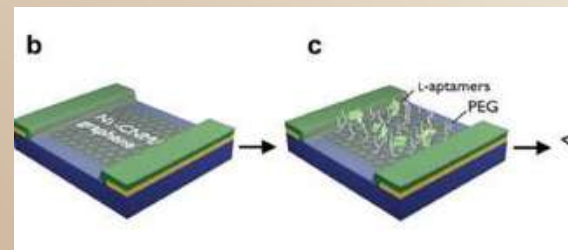
TECHNOLOGY

Chemists develop graphene-based biosensor, paving the way for advanced diagnostics

Friday, November 1, 2024

Two-dimensional materials such as graphene are not only ultrathin, but also extremely sensitive. Researchers have therefore been trying for years to develop highly sensitive biosensors that utilize their properties.

Graphene-based field-effect transistors, for example, could register the tiniest changes in the electronic properties caused by the molecules when they interact with this atomically thin layer. However, the hypersensitivity of the material has so far stood in the way of the practical realization of this idea.

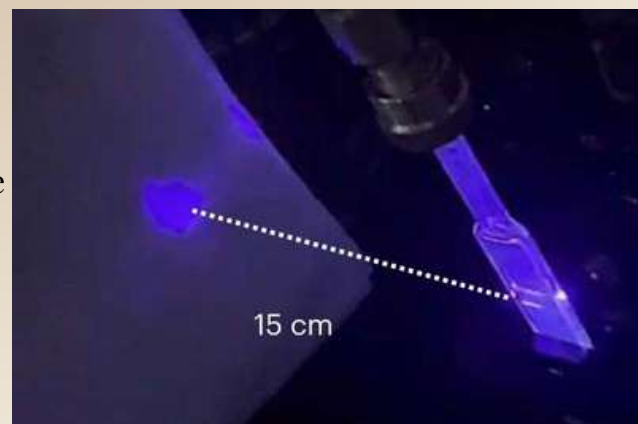


<https://phys.org/news/2024-11-chemists-graphene-based-biosensor-paving.html>

New blue light-emitting lasers leverage low-toxicity colloidal quantum dots

Saturday, November 2, 2024

Blue lasers, lasers that emit a light beam with a wavelength between 400 nm and 500 nm, are key components of various technologies, ranging from high-resolution displays to printers, medical imaging tools and data storage solutions. A key advantage of these lasers is that they generate coherent and intense light beams that can be leveraged to develop highly advanced optical technologies.



<https://phys.org/news/2024-11-blue-emitting-lasers-leverage-toxicity.html>