

GNIPST BULLETIN 2024

(Pharmacy)



VOLUME-1, ISSUE- 5







Special Edition

Sneak Peak
on
Xavier's Model
Secondary School

Check out the Special
Attraction Section



Table of Contents

| | | |
|--|--|------------|
|  1 | Message from Director and Principal | 2 |
|  2 | Recent Researches | 3 |
|  3 | New Drug Approvals | 4 |
|  4 | Clinical Trial News | 5 |
|  5 | Disease Outbreak News | 6 |
|  6 | Campus News | 7 |
|  7 | Special Pages | 8-9 |
|  8 | Game Time | 10 |





MESSAGE FROM HONORABLE DIRECTOR

I extend my heartfelt greetings to you all at Guru Nanak Institute of Pharmaceutical Science and Technology, we are committed to fostering an environment of academic excellence, innovation, and holistic development. We believe in nurturing inquisitive minds, encouraging critical thinking, and developing the skills of our beloved students.

On this Children's Day, let us celebrate the joy and innocence that children bring into our lives. As we honor their potential, may we commit to nurturing their dreams and ensuring a brighter future for them. Happy Children's Day to all the young hearts who inspire us daily!

Prof. (Dr.) Abhijit Sengupta



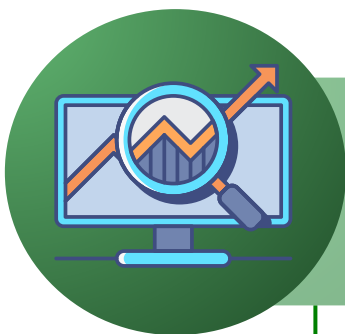
MESSAGE FROM HONORABLE PRINCIPAL

It is my immense pleasure to extend a warm greetings to you to Guru Nanak Institute of Pharmaceutical Science and Technology, Pharmacy. GNIPST is amongst the leading educational institutes of West Bengal aiming to provide quality pharmacy education to students.

On the occasion of Children's Day, we celebrate the spirit, curiosity, and immense potential of young minds. At GNIPST, we are dedicated to promoting an environment that nurtures academic growth and ethical values, empowering students to lead and inspire. Let us commit to shaping a promising future for every child.

Prof. (Dr.) Lopamudra Datta





RECENT RESEARCHES



WHO and TikTok to collaborate on more science-based information on health and well-being

 READ MORE

<https://www.who.int>

Today, the World Health Organization (WHO) and TikTok, a platform for short-form mobile videos, announced a year-long collaboration aimed at providing people with reliable, science-based health information. This reflects WHO's commitment to leveraging multiple digital communication platforms to increase outreach to people globally, to promote health literacy, healthy behaviour and actions in an increasingly digitized world. Social media platforms can be important sources of information that influence health-related behaviour and decisions. One in four young adults actively seek news content on social media platforms, including TikTok. We also know that people are increasingly being targeted with misinformation and malinformation on these digital channels. The new collaboration between WHO and TikTok is to help addressing these challenges by promoting evidence-based content and encourage positive health dialogues.

Recommendations announced for influenza vaccine composition for the 2025 southern hemisphere influenza season

 READ MORE

<https://www.who.int>

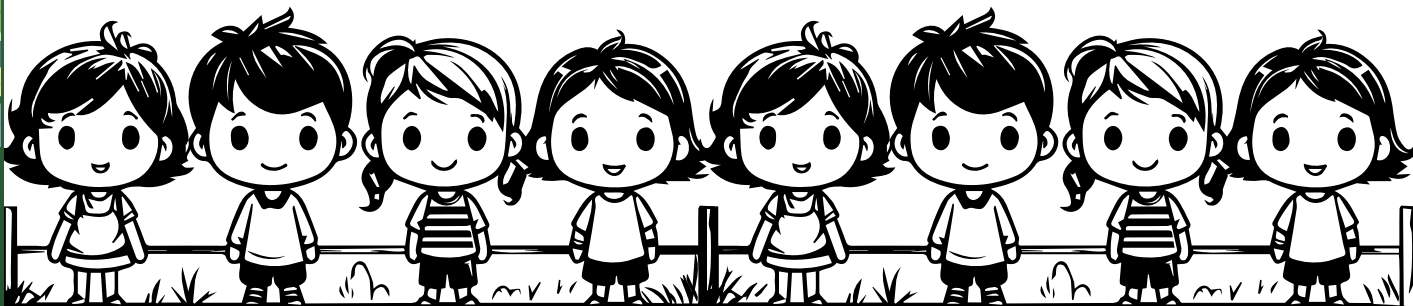
The World Health Organization (WHO) today announced the recommendations for the viral composition of influenza vaccines for the 2025 influenza season in the southern hemisphere. The announcement was made at an information session after a 4-day meeting on the Composition of Influenza Virus Vaccines. The meeting is held twice annually, once for the southern and once for the northern hemisphere. WHO organizes these consultations with an advisory group of experts gathered from WHO Collaborating Centres and WHO Essential Regulatory Laboratories to analyse influenza virus surveillance data generated by the WHO Global Influenza Surveillance and Response System (GISRS). The recommendations issued are used by the national vaccine regulatory agencies and pharmaceutical companies to develop, produce, and license influenza vaccines for the following influenza season. The periodic update of viruses contained in influenza vaccines is necessary for the vaccines to be effective due to the constantly evolving nature of influenza viruses, including those circulating and infecting humans.

High-level mission to Sudan reaffirms WHO commitment, calls for urgent action to address and end the extreme health and humanitarian crisis

 READ MORE

<https://www.who.int>

WHO Director-General Dr Tedros Adhanom Ghebreyesus and Regional Director Dr Hanan Balkhy yesterday concluded a two-day mission to Port Sudan, where they reaffirmed WHO's commitment to reaching all Sudanese in need and called on the international community to urgently act to end the extreme health and humanitarian crisis. During their visit, Dr Tedros and Dr Balkhy met with Sudanese leaders, including Lt. Gen. Abdul Fatah Al-Burhan, Chairman of Sudan's Transitional Sovereignty Council; Deputy Chairman of Sudan's Sovereignty Council Dr Malik Agar; and Federal Minister of Health Dr Haitham Mohamed Ibrahim Awadallah. The discussions centered on the devastating impact of the ongoing conflict and the critical need for unhindered humanitarian access to ensure that life-saving aid reaches all those in need, regardless of their location.



NEW DRUG APPROVALS



1. Itovebi (inavolisib) Tablets

- **Company:** Genentech, Inc.
- **Date of Approval:** October 10, 2024
- **Treatment for:** Breast Cancer

1

2. Hypavzi (marstacimab-hncq) Injection

- **Company:** Pfizer Inc.
- **Date of Approval:** October 11, 2024
- **Treatment for:** Hemophilia A, Hemophilia B

2

3. Vyloy (zolbetuximab-clzb) Injection

- **Company:** Astellas Pharma US, Inc.
- **Date of Approval:** October 18, 2024
- **Treatment for:** Gastric Cancer

3

4. Orlynvah (sulopenem etzadroxil and probenecid) Tablets

- **Company:** Iteum Therapeutics plc
- **Date of Approval:** October 25, 2024
- **Treatment for:** Urinary Tract Infection

4

5. Vyalev (foscarbidopa and foslevodopa) Injection

- **Company:** AbbVie Inc.
- **Date of Approval:** October 16, 2024
- **Treatment for:** Parkinson's Disease

5

6. Imuldosa (ustekinumab-srlf) Injection

- **Company:** Dong-A ST
- **Date of Approval:** October 10, 2024
- **Treatment for:** Plaque Psoriasis, Psoriatic Arthritis, Crohn's Disease, Ulcerative Colitis

6

LEARN

MORE

<https://www.drugs.com/newdrugs.html>


CLINICAL TRIAL NEWS



1. Gilead and Merck Announce Phase 2 Data Showing a Treatment Switch to an Investigational Oral Once-Weekly Combination Regimen of Islatravir and Lenacapavir Maintained Viral Suppression in Adults at Week 48

OSTER CITY, Calif., & RAHWAY, N.J.--(BUSINESS WIRE) October 19, 2024 -- Gilead Sciences, Inc. (Nasdaq: GILD) and Merck (NYSE: MRK), known as MSD outside of the United States and Canada, today announced new results from a Phase 2 clinical study evaluating the investigational combination of islatravir, an investigational nucleoside reverse transcriptase translocation inhibitor, and lenacapavir, a first-in-class HIV-1 capsid inhibitor. These late-breaking data were presented during an oral session at ID Week 2024, taking place in Los Angeles, and virtually, from October 16-19.



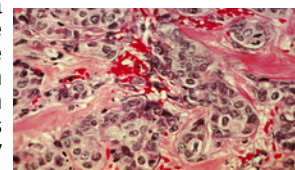
2. Nurix Therapeutics Presents Positive Results from the Ongoing Clinical Trial of Its BTK Degradar NX-5948 in Patients with Relapsed/Refractory Waldenstrom's Macroglobulinemia



SAN FRANCISCO, Oct. 19, 2024 (GLOBE NEWSWIRE) -- Nurix Therapeutics, Inc. (Nasdaq: NRIX), a clinical stage biopharmaceutical company developing targeted protein modulation drugs designed to treat patients with cancer and inflammatory diseases, today announced the presentation of clinical data from its ongoing Phase 1a/1b clinical trial of NX-5948, an orally bioavailable, brain penetrant degrader of Burton's tyrosine kinase (BTK), in patients with relapsed/refractory Waldenstrom's macroglobulinemia (WM) at the 12th International Workshop on Waldenstrom's Macroglobulinemia (IWWM-12) which is being held in Prague, Czech Republic October 17-19, 2024.

3. Phase 2 study demonstrates the first successful clinical application of antifibrotic therapy for breast cancer

SAN DIEGO, Oct. 18, 2024. MeCo Diagnostics, a venture-backed startup dedicated to unlocking a new therapeutic modality for cancer, has announced a publication in Clinical Cancer Research, the leading clinical journal of the American Association for Cancer Research (AACR). The article details a successful Phase 2 study of 130 patients with breast cancer, conducted in collaboration with the Spanish National Cancer Research Centre (CNIO), following a pre-specified analysis plan to evaluate long-term survival after antifibrotic therapy. This study establishes the MeCo Score as the first clinically validated predictive biomarker for antifibrotic therapy—a fundamentally new way to fight breast cancer.



4. Darling Ingredients Announces Publication of Peer-Reviewed Collagen Peptides Study and its Impact on Post-Meal Blood Glucose Spikes



IRVING, Texas, Oct. 21, 2024. Darling Ingredients Inc. today announced the publication of preclinical and clinical studies¹ in the Wiley Journal of Food Science and Nutrition, focusing on the impact of a specific collagen peptide composition on post-meal blood glucose spikes.

5. Alto Neuroscience Reports Topline Results from a Phase 2b Trial Evaluating ALTO-100 as a Treatment for Major Depressive Disorder

MOUNTAIN VIEW, Calif.--(BUSINESS WIRE) October 22, 2024 -- Alto Neuroscience, Inc. ("Alto") (NYSE: ANRO), a clinical stage biopharmaceutical company focused on the development of novel precision medicines for neuropsychiatric disorders, today announced that the Phase 2b study of ALTO-100 in patients with major depressive disorder (MDD) did not meet its primary endpoint, assessed by a change from baseline in Montgomery-Åsberg Depression Rating Scale (MADRS), compared to placebo. The favorable safety and tolerability profile of ALTO-100 was consistent with previously reported studies.



6. Celldex Announces Barzolvolimab Met All Primary and Secondary Endpoints with High Statistical Significance in Positive Phase 2 Study in Chronic Inducible Urticaria



HAMPTON, N.J., Oct. 26, 2024 (GLOBE NEWSWIRE) -- Celldex Therapeutics, Inc. (NASDAQ:CLDX) announced today positive results from the Company's Phase 2 clinical trial of barzolvolimab in two of the most common forms of chronic inducible urticaria (CIndU)—cold urticaria (ColdU) and symptomatic dermographism (SD).



DISEASE OUTBREAK NEWS



1. West Nile virus - Barbados

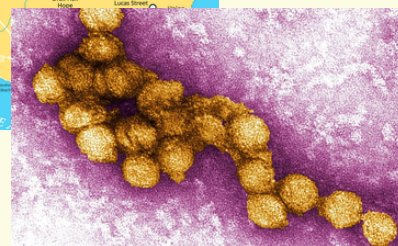
3 October 2024

Situation at a glance

On 13 September 2024, the International Health Regulations (IHR) National Focal Point (NFP) for Barbados notified the World Health Organization (WHO) of a confirmed human infection with West Nile Virus (WNV) in a child. WNV is generally carried by migratory birds and transmitted locally by mosquitoes to humans, horses and other mammals. WNV infection in humans generally causes mild disease, but there can be neurological symptoms and, in some cases, it can be fatal. This is the first human case of WNV infection detected in Barbados. Additionally, no infections have been previously documented in birds or horses in this country, making this case both unusual and unexpected. However, the WNV has spread throughout the Caribbean, likely via infected migratory birds. It is possible that the virus is circulating in birds and horses undetected. Despite this, the overall impact on public health remains limited at this stage, as there is currently only one recorded human case and appropriate public health response measures have been implemented. WHO considers the current risk from WNV as low but will continue to evaluate the epidemiological situation in Barbados.



<https://www.who.int/emergencies/disease-outbreak-news/item/2024-DON538>



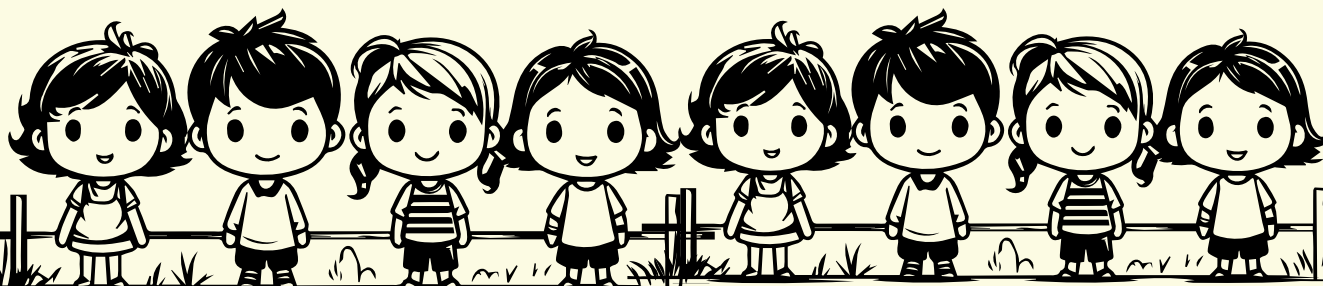
<https://www.who.int/emergencies/disease-outbreak-news/item/2024-DON544>

2. Marburg virus disease - Rwanda

25 October 2024

Situation at a glance

As of 24 October 2024, a total of 64 Marburg virus disease cases, including 15 deaths (case fatality ratio (CFR) 23.4%), have been reported in Rwanda. Among the initial 62 confirmed cases with available data, 70% were males, and 48% were aged between 30 to 39 years. The highest number of new confirmed cases were reported in the first two epidemiological weeks of the outbreak with 26 cases reported in epidemiological week 39 (23 to 29 September 2024) and 23 cases in week 40 (30 September to 6 October). This was followed by a sharp decline in weeks 41 and 42, with 12 and one case reported respectively. Contact tracing is ongoing, with 1146 contacts under follow-up as of 20 October 2024. Based on available updates from the outbreak investigation, the index case was a male between 20 and 30 years old with a history of exposure to bats in a cave.



Campus News



Swachh Bharat Abhiyan (3.10.24):

GNIPST organized the Swachh Bharat Abhiyan 2024, with our enthusiastic students and faculty members taking an active role. Together, we cleaned classrooms, laboratories, and our entire campus, promoting a culture of cleanliness and responsibility. This initiative reflects our commitment to a cleaner, healthier environment for everyone.



Idea-o-meter (4.10.24)

GNIPST conducted the "Roadshow: Idea-O-Meter" at the GNPST Auditorium on October 4, 2024. A special thank you to our speaker, Dr. Suman Ghosh, for inspiring our students with insights on creativity, innovation, and entrepreneurial thinking. We look forward to organizing more such enriching events that foster creativity and entrepreneurial spirit among our future leaders.



Student achievement- Suman Bhattacharjee, b.pharm 3rd year, NPTEL Course Topper



Pre Diwali celebration (30.10.24):

GNIPST organized a vibrant Pre-Diwali Celebration event, bringing together students from all disciplines for a colorful Rangoli exhibition that showcased their artistic skills. Following the exhibition, a lively cultural program took place, featuring music, dance, and traditional performances that filled the atmosphere with festive joy and excitement, celebrating the spirit of Diwali.



National Seminar on Plants as a Source of Drug and Nutrition:

Guru Nanak Institute of Pharmaceutical Science and Technology organized a National Seminar on "Plants as a Source of Drugs and Nutrition: The Past, Present, and Future", where we gained valuable insights from Dr. Subhalakshmi Ghosh, Director of Alona Life Sciences Pvt Ltd. and Alona Research and Diagnostic.



Malnutrition awareness programme in different schools and colleges (28.10.24):

Second-year B.Pharm students (Debanjan Bhattacharya and Ayan Pal) actively participated in an Awareness Programme on malnutrition, visiting local schools and colleges to educate young minds about the importance of balanced nutrition. Through interactive sessions, they shared valuable insights on health, diet, and wellness, aiming to inspire healthier lifestyles and raise awareness about the impacts of malnutrition in the community.



Induction program for UG & PG 1st year students (05.11.24):

The induction program for first-year B.Pharm students began with a warm welcome by 1st year class co-ordinator, Mrs. Prapti Chakrabarty Madam, who introduced the faculty and the academic vision of the program. The Principal Prof. (Dr.) Lopamudra Datta, addressed the students, highlighting the importance of pharmacy in healthcare and encouraging them to pursue excellence. Key aspects of the course curriculum, lab work, and research opportunities were outlined by faculty members. A presentation on campus facilities, support services, and safety protocols was given to ensure students feel at home. The session included an overview of professional ethics and the responsibilities of a pharmacist. The ceremony ended with a college tour where faculty members showed different labs, Library, College museum and college campus.



GNIPST BULLETIN 2024



Children's Day: Celebrating Childhood and Empowering the Future

In India, Children's Day is celebrated on November 14 in memory of Jawaharlal Nehru, the first Prime Minister of independent India, who was known for his profound love and affection for children. Nehru, fondly called "Chacha Nehru," believed that children are the nation's true strength and the foundation of society.

The day is an opportunity to appreciate childhood innocence and wonder while raising awareness about children's rights, education, and well-being. Schools, organizations, and communities come together to organize fun events, competitions, and educational activities that engage children and foster joy and creativity.



Significance of Children's Day

- **Promotes Awareness of Children's Rights:** Children's Day serves as a reminder of the fundamental rights of children to education, health, and freedom from exploitation and abuse. It emphasizes the importance of safeguarding these rights for a brighter future.
- **Encourages Education for All:** The celebration underscores the value of quality education for every child, aiming to bridge educational inequalities and ensure that no child is left behind. Children's Day events often highlight educational initiatives that promote access to learning opportunities.
- **Highlights Child Development and Well-Being:** The day brings attention to children's physical, emotional, and social development. Many organizations use Children's Day to advocate for better health and nutritional standards and ensure children's mental well-being.
- **Strengthens Family and Community Bonds:** Children's Day encourages family and community involvement, creating a supportive environment for children to flourish. It emphasizes the collective role of family, schools, and society in nurturing children's growth.
- **Addresses Issues like Child Labor:** Children's Day also serves as a platform to address and combat social issues like child labor, which hinders millions of children worldwide from enjoying their right to education and happy childhood. Organizations use the occasion to campaign against such exploitative practices.
- **Encourages Moral and Ethical Values:** The observance of Children's Day highlights the importance of instilling values of respect, kindness, honesty, and empathy in children, laying the foundation for a morally strong society.
- **Promotes the Vision of a Better Future:** Children represent the future, and by celebrating them, we invest in tomorrow's leaders, innovators, and responsible citizens. Children's Day serves as a reminder to guide children toward a future full of hope, equality, and progress.



A JOURNEY *Through Time*

Xavier's Model Secondary School Dankuni



The sole objective of Xavier's Model Secondary School is to provide the children with comprehensive education aiming at their intellectual, physical, cultural, social, spiritual development and growth. The school provides quality education within a happy and caring environment where children are stimulated to apply themselves eagerly to learning and to the improvement of their creative skills.

Intensive academic education with the help of innumerable teaching aids and Audio – Visual facilities are supplemented with various activities and programmers meant to ensure not only an optimum intellectual growth but also to inculcate in the tender heart of your ones noble through and sub line aspirations.

Our system of education enables the students to face the competitive world. Once your child gets into this school, he/she actually enters in an environment most conducive to the flowering of all his /her capacities and talents.

Our students are taught the ideals of oneness of mankind, peace and unity. It is our fervent belief that rearing the present young generation in an atmosphere of world mindedness will go a long way to upgrade the character of our society in the years to come.

Children's Day celebrations in primary schools are filled with joy and excitement, as students enjoy fun activities, games, and performances.



“Hello everyone, I am Srijia Ghosh assistant teacher of Xavier's Model Secondary School,Dankuni wishing everyone a very happy children's day to all my children. I wish to cherish the innocence in their eyes and honesty in their mouth. We had arranged different games for the students of all the classes so that they could enjoy and feel each moment of today's. We had arranged a fancy dress competition,go as u like, building a glass pyramid and making words by finding letters. Their smiling face had made my day and our hard work worth it. HAPPY CHILDREN'S DAY to all and I heartily thank GNIPST for giving a chance to express our joy.”



Ms. Srijia Ghosh, Assistant Teacher
Xavier's Model Secondary School



Heartiest gratitude towards Xavier's Model Secondary School for the Cooperation!



Game Time

Word Search

Hint : Disease Name!

| | | | | | | |
|---|---|---|---|---|---|---|
| L | E | P | R | O | S | Y |
| L | O | N | I | T | U | H |
| E | D | E | C | K | L | X |
| R | G | U | K | W | F | B |
| G | L | M | E | A | E | C |
| Y | S | O | T | N | Q | P |
| S | A | N | S | M | E | I |
| Q | W | I | U | G | S | L |

Answer for Word Making (Volume 1 Issue 4)

1. Metoprolol, 2. Nifedipine, 3. Carbamazepine, 4. Pantoprazole, 5. Glimepiride, 6. Alprazolam, 7. Vancomycin, and 8. Ibuprofen

Shout out to the "Game Time" Winner of Volume 1, Issue 4 !



Neha Mondal

B. Pharm, 2nd year 3rd semester

Guru Nanak Institute of Pharmaceutical Science and Technology

Stay tuned for to the next edition for a shout out to fastest correct answers!

Submit your answer



SCAN
ME

or

CLICK
HERE



Editorial Board

Editor- in- Chief

Prof. (Dr.) Abhijit Sengupta

Managing Editors

Prof. (Dr.) Lopamura Datta

Associate Editors

Mr. Tushar Adhikari

Ms. Manjarima Ganguli

Editorial Board Members

Mrs. Indrani Banerjee Chakraborty

Mr. Arpan Dutta

Ms. Ananya Chandra

Ms. Parnasree Chakraborty

Ms. Lopamudra Saha

Mr. Sarthak Saha



COURSES OFFERED

PHARMACY UG COURSES

- Bachelor of Pharmacy (B.Pharm)

PHARMACY DIPLOMA COURSES

- Diploma in Pharmacy (D.Pharm)

PHARMACY PG COURSES

- M.Pharm in Pharmaceutics
- M.Pharm in Pharmacology
- M.Pharm in Pharmaceutical Chemistry
- M.Pharm in Quality assurance
- M.Pharm in Regulatory Affairs
- M.Pharm in Pharmacognosy
- M.Pharm in Pharmaceutical Biotechnology

Major
Recruiters



Nestlé



FRESENIUS
KABI



tcs

**Latest
news**



www.gnipst.ac.in



www.facebook.com



www.instagram.com



www.linkedin.com



www.youtube.com



api.whatsapp.com

