



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

SCHOOL OF MEDICAL & ALLIED SCIENCES

NEWSLETTER OCTOBER TO DECEMBER 2025





K.R. MANGALAM UNIVERSITY

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FROM THE EDITOR'S DESK



Dr. Hema Chaudhary

Professor & Dean

School of Medical and Allied Sciences



Mr. Debashish Paramanick

Assistant Professor

School of Medical and Allied Sciences

Dear Readers,

It is a privilege to share this latest edition of our newsletter, a platform that celebrates the intellectual curiosity and unwavering dedication of the SMAS community. At K.R. Mangalam University, we don't just teach healthcare; we cultivate the next generation of leaders who will bridge the gap between scientific innovation and compassionate patient care.

This issue highlights our recent strides in research, interdisciplinary collaboration, and hands-on clinical training. These milestones are a direct result of the synergy between our faculty's expertise and our students' ambition. As you flip through these pages, I hope you feel the pulse of our vibrant academic culture and our commitment to shaping the future of global healthcare.

My heartfelt thanks go to the editorial team and all contributors for capturing the essence of our journey. Happy reading!

WORDS FROM THE LEADERSHIP



It is a privilege to address you through this edition of the School of Medical and Allied Sciences (SMAS) newsletter. At K.R. Mangalam University, we view this publication not just as a record of events, but as a testament to our unwavering pursuit of excellence in healthcare education and scientific inquiry.

The medical landscape is shifting toward more integrated, technology-driven care. To meet this future, SMAS continues to refine its pedagogical approach, blending rigorous academic theory with intensive practical training. We take immense pride in cultivating an environment where curiosity meets clinical discipline, ensuring our graduates are not only technically proficient but also ethically grounded leaders in their respective fields.

This issue highlights the vibrant intellectual life of our school—from groundbreaking faculty research and innovative student projects to the impactful community outreach initiatives that define our social responsibility. Each achievement noted here represents a step forward in our mission to improve health outcomes through education and discovery.

I would like to express my heartfelt gratitude to the editorial board for their meticulous work, and to our faculty and students for the dedication that fuels our progress. I am certain that the stories shared within these pages will serve as a catalyst for further innovation and collaboration across our academic community.

I hope you find this edition both insightful and inspiring.

Dr. Hema Chaudhary

Professor & Dean

FROM THE DESK OF IQAC COORDINATOR



Warm greetings to all our readers

It is a pleasure to share this message as we continue our journey of institutional growth at

K.R. Mangalam University. A cornerstone of our progress is the Internal Quality Assurance Cell (IQAC), which remains steadfast in its mission to embed a culture of quality and systematic improvement across all facets of our academic and administrative operations.

Our primary goal is to foster an ecosystem where innovation and critical thinking thrive. By implementing robust quality benchmarks, specialized workshops, and collaborative research initiatives, we ensure that our students receive a world-class education that prepares them for the complexities of a global professional landscape. We believe that maintaining these high standards is essential for empowering our students to become both competent experts and responsible citizens.

The milestones featured in this newsletter are a direct result of the collective diligence of our faculty, staff, and students. It is through your shared commitment to excellence that we are able to strengthen the university's academic standing and drive meaningful change.

I extend my sincere congratulations to all those who have contributed to this publication. Let us continue to work in synergy, upholding the vision of K.R. Mangalam University and striving for even greater heights of achievement in the future.

Dr Shikha Dutt Sharma,

IQAC Coordinator

K.R. Mangalam University

ABOUT SCHOOL : VISION AND MISSION

ABOUT SCHOOL

Welcome to the School of Medical and Allied Sciences, where your journey towards a rewarding career in healthcare begins!

The School of Medical and Allied Sciences (SMAS) is committed to delivering comprehensive education and training across a spectrum of healthcare disciplines. SMAS offers Diploma, Undergraduate, Postgraduate and Doctoral programmes in different fields of medical & allied sciences. With our esteemed faculty, cutting-edge facilities, and immersive learning opportunities, we are instrumental in nurturing the future generation of healthcare practitioners. Our focus is on empowering students with the requisite knowledge, skills, and ethical principles to deliver top-tier care and drive progress in global healthcare standards.

VISION

To contribute towards healthcare needs of society by producing a skilled, motivated and accessible workforce dedicated towards achieving health for all.

MISSION

- To produce self-motivated, self-reliant and socially sensitive young healthcare professionals catering to the needs of academia, industry and research.
- To create a centre of excellence for learning and research in the field of pharmaceutical and allied health sciences with inter- disciplinary approach in emerging area of science and technology with focus on industry-academia interaction.
- To nurture transformational research for the benefit of society.
- To interlink pharmaceutical and allied health sciences with interdisciplinary life sciences.



MEMBER OF ADVISORY COMMITTEE



Prof. B. Suresh

Pro-Chancellor

JSS Academy of Higher Education & Research
& Ex-President of Pharmacy Council of India



Dr. Jayapala Reddy

Vice President & Head

Emerging Markets of MSN Labs, Hyderabad



Prof. Vandana B. Patravale

Professor, Department of Pharmaceutical Sciences &
Technology,

Institute of Chemical Technology (ICT), Mumbai

Dear Readers,

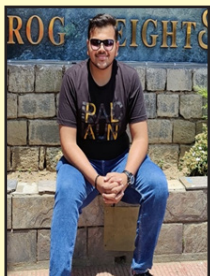
We would like to express our heartfelt appreciation to all participants, speakers, and organizers for their significant contributions to our recent academic and research endeavors. Your dedication, enthusiasm, and passion for learning continue to drive progress and excellence in the field of medical and allied sciences.

At the School of Medical and Allied Sciences (SMAS), K.R. Mangalam University, we are committed to creating dynamic platforms that promote knowledge exchange, innovation, and collaboration among students, researchers, and professionals. We encourage you to remain actively involved, seek new opportunities, and contribute towards advancing scientific research and healthcare practices.

Thank you for being an integral part of our academic community. We look forward to your continued support and participation in our future initiatives.

Warm Regards,
Advisory Committee
School of Medical and Allied Sciences (SMAS)
K.R. Mangalam University

OUR ALUMNI



RISHABH KANSHAL
Batch: 2021-25
B. Pharmacy

As a proud alumnus of this esteemed institution, I reflect on my journey with deep appreciation and gratitude. My time at the university was far more than an academic pursuit—it was a transformative experience that nurtured my curiosity, strengthened my character, and broadened my perspective.

The unwavering support of dedicated faculty members, combined with the camaraderie of peers, created an environment that fostered both intellectual and personal growth. The university not only imparted knowledge but also encouraged innovation, critical thinking, and the confidence to face real-world challenges.

Looking back, I feel privileged to be part of an institution that continues to shape future leaders and inspire excellence. The values, discipline, and passion for learning instilled during those years remain a guiding force in my journey today.

To the current students, I urge you to embrace every opportunity with enthusiasm. Step beyond your comfort zones, stay inquisitive, and actively engage in all that campus life has to offer. These moments will define your path and prepare you for a fulfilling future.

To my fellow alumni, let us continue to stay connected and contribute to the growth of our alma mater. Together, we can build a stronger community that supports, inspires, and empowers the generations to come.



HIRANMOY SAHA
Batch: 2022-24
M. Pharmacy

Being a part of this esteemed institution has been one of the most defining chapters of my life. As an alumnus, I carry with me a deep sense of pride and gratitude for the experiences that have shaped my journey.

My years at the university were not just about academic achievement; they were about discovering my potential, building meaningful connections, and learning the importance of resilience and adaptability. The guidance of committed faculty members and the spirit of collaboration among peers created an environment that truly nurtured growth and innovation.

The lessons I gained here extend far beyond the classroom. They have instilled in me the confidence to take on challenges, the curiosity to keep learning, and the determination to strive for excellence in every endeavor. These values continue to guide me in both my personal and professional life.

To the students who are currently walking these halls, I encourage you to embrace every experience with an open mind. Make the most of the opportunities around you, learn from both successes and setbacks, and believe in your ability to create a meaningful impact.

To my fellow alumni, let us continue to stay connected and give back to the institution that has given us so much. Together, we can build a strong and supportive network that uplifts future generations and keeps the spirit of our alma mater alive.

RESEARCH & INNOVATION

JOURNAL PUBLICATION

Type	Title	Creation Date	Authors	Journal Name / Book Conference proceeding publisher	Journal publisher / Book Title / conference Proceeding Name	E-ISSN / E-ISBN / Patent. No / Application. No
Journal	Role of traditional Chinese medicine in combating metabolic disorders: A systematic review	11/01/26	Mr. Mohit Agrawal	Pharmacological Research - Modern Chinese Medicine	ELSEVIER	2667-1425
Journal	Smart Stings of Nature: Harnessing Microneedles Assisted Targeted Phytoconstituent Delivery for Dermatological Disorders	09/01/26	Mr. Mohit Agrawal	AAPS PHARMSCITECH	SPRINGER NATURE	1530-9932
Journal	In Silico Investigation of Amidine-Based BACE-1 Inhibitors Against Alzheimer, Disease: SAR, Pharmacokinetics, Molecular Docking and Dynamic Simulations	05/01/26	Dr. Saroj Verma	pharmaceuticals- logo	MDPI	1424-8247
Journal	Pharmacogenomics and mutation informatics: correlation of NAT2 mutations and isoniazid acetylation rate	05/01/26	Dr. Saroj Verma	Drug Discovery Today	Elsevier	1878-5832
Journal	Enhanced targeted delivery of cisplatin via folate and boron-modified magnetic nanoparticles: A promising approach for cervical cancer treatment	26/12/25	Dr. Debashish Paramanick	Next Nanotechnology	Elsevier	2949-8295

Journal	Reimagining Aging: A Systematic Review and Meta-analysis of Virtual Reality on Cognitive, Physical, and Functional Outcomes in Older Adults	23/12/25	Dr. Mohd Mazhar	Journal of Mid-life Health	Wolters Kluwer	0976-7819
Journal	Design, Synthesis, Spectral Characterization, and Antimicrobial Evaluation of Novel Indole-2-Carbohydrazide Derivatives: Experimental and Computational Insight	16/12/25	Mr. Mohit Agrawal	CHEMISTRY SELECT	Wiley (John Wiley & Sons)	2365-6549
Journal	Scorpion venom as a molecular treasure: emerging bioactive compounds and translational therapeutic insights	11/12/25	Mrs. Vinita	Archives of Toxicology	Springer Science	1432-0738
Journal	Role of Hyperbaric Oxygen Therapy (HBOT) in Recovery of Covid-19 Patients: Medical Oxygen	03/12/25	Dr. Saroj Yadav	Scope	Otago polytechnic	1177-5661
Journal	Extraction, Isolation, and Phytochemical Profiling of Bioactive Compounds from a Polyherbal Formulation for Antidiabetic Potential	03/12/25	Dr. Saroj Yadav	Journal of Rare Cardiovascular Diseases	SoftQ sp. z o.o.	2300-5505
Journal	Role of Artificial Intelligence in Food and Agriculture Industries: An Updated Review	01/12/25	Dr. Parakh Basist	Nutrire (Springer Nature)	Springer Nature	2316-7874

Journal	Comprehensive in vitro and in silico analysis of <i>Piliostigma thonningii</i> , Ås bioactive compounds as multifunctional inhibitors of α -amylase, α -glucosidase, and oxidative stress for enhanced glycemic regulation	27/11/25	Mr. Mohit Agrawal	The Microbe	Elsevier	2950-1946
Journal	Synthesis, and Computational Insights Into Quinoline Hydrazone Derivatives as Potential Antimicrobial Agents	22/11/25	Mr. Mohit Agrawal	Journal of Biochemical and Molecular Toxicology	John Wiley & Sons	1099-0461
Journal	Integrated computational-experimental pipeline for CHK1 inhibitor discovery: structure-based identification of novel chemotypes with anticancer activity	11/11/25	Mr. Mohit Agrawal	Naunyn-Schmiedeberg's Archives of Pharmacology	SPRINGER NATURE	1432-1912
Journal	Phytochemical Profiling and Antioxidant Activity of <i>Acacia Nilotica</i> and <i>Quercus Infectoria</i>	30/10/25	Dr. Rishi Pal	Journal of Rare Cardiovascular Diseases	SoftQ sp. z o.o.	2299-3711
Journal	Therapeutic Potential of Chinese Herbs and Medicines Against Alzheimer, Disease: Pharmacological Intervention and Clinical Insight	17/10/25	Ms. Samiksha Mishra	Neuroscience and Biobehavioral Reviews	Elsevier	

Journal	Pathological Insights into Neurodegenerative and eurodevelopmental Disorders: Perspectives for the Development of Novel Treatment Approaches	15/10/25	Dr. Saroj Verma	CNS and Neurological Disorders - Drug Targets	Bentham Science Publishers	1871-5273
Journal	Metabolic Profiling GC–MS, HPLC–ESI–MS/MS, In Vitro, and In Silico Assessment of the Cytotoxic and Antimicrobial Effects of Gmelina philippensis Cham. Bark Extract	11/10/25	Mr. Mohit Agrawal	Chemistry and Biodiversity	John Wiley & Sons	1612-1880

BOOK & BOOK CHAPTERS

Type	Title	Creation Date	Authors	Journal Name / Book Conference proceeding publisher	Journal publisher / Book Title / conference Proceeding Name	E-ISSN / E-ISBN /Patent. No / Application. No
Book Chapter	Targeted Drug Delivery: Opportunities and Challenges in Brain Tumour	10/01/26	Mr. Mohit Agrawal, Ms. Meenakshi Attri	Brain Tumor Drug Development: Current Advances and Strategies (Part 1) by bentham science	Bentham science	979-8-89881-171-6
Book Chapter	Fundamental of In Silico Drug Design	30/12/25	Mrs. Vinita	Book- Antimicrobial Drug Discovery: In-Silico	ELIVA Books	978-99993-3-389-4
Book Chapter	Nano-formulations of Repurposed Drugs for Antiviral Therapy	02/12/25	Dr. Khalid Basir Mir	Drug Repurposing for Antivirals	Bentham Science	979-8-89881-114-3
Book Chapter	The Autonomous Revolution: Role of AI in Self Driving Labs for Materials Sciences	10/11/25	Dr. Neha Minocha	Artificial Intelligence in Polymer Science and Nanotechnology: Autonomous Labs, Polymer Design, Materials Simulation	Walter de Gruyter GmbH & Co KG	9.78311E+12

PATENTS

Type	Title	Creation Date	Authors	Journal Name / Book Conference proceeding publisher	Journal publisher / Book Title / conference Proceeding Name	E-ISSN / E-ISBN / Patent. No / Application. No
Patent	Improved method for high purity flavonoid isolation from jacaranda mimosifolia using sequential solvent fractionate	13/01/26	Mr. Mohit agrawal	lpr, govt of india	202511109193A	202511109193A
Patent	Machine learning-based adr and symptom prediction system	30/12/25	Dr. Sucheta, mrs.Vinita	India	India	2.02511E+11
Patent	Laboratory rodent model for the study of neurofunctional effects	29/12/25	Dr. Madhuri grover, aç	India	India	467550-001
Patent	Substituted benzimidazole compounds as therapeutic agents against mycobacterium tuberculosis	29/12/25	Dr. Pawan kumar, mr.Mohit agrawal	India	India	2.02511E+11
Patent	Method for quantitative estimation of glyburide in bulk drug and pharmaceutical formulation	27/12/25	Dr. Khalid basir mir, dr. Narender yadav	India	India	2.02511E+11
Patent	Portable medication dispenser with automated dosage control	03/12/25	Dr. Saroj yadav	India	India	452195-001
Patent	Herbal makeup remover granules for on-demand emulsion formation and method of preparation thereof	05/11/25	Dr. Narender yadav	India	India	2.02511E+11
Patent	Modular apparatus for synthesis of organic pharmaceutical intermediates	04/09/25	Dr. Sunil kumar	India	India	467128-001

EVENTS CORNER

ACADEMIC EXCELLENCE & WORKSHOPS

BREAKING GROUND IN DRUG DISCOVERY

DATE: DECEMBER 5, 2025 | VENUE: B121, SMAS

The School of Medical and Allied Sciences (SMAS) successfully conducted a high-impact workshop titled “Quality Drug Design and Drug Discovery”. Under the guidance of Dean Prof. Hema Chaudhary, student researchers from M. Pharm and B. Pharm (7th Sem) delved into Computer-Aided Drug Design (CADD).

Key highlights included hands-on training with AutoDock, PyRx, and SwissDock for analyzing protein-ligand interactions. Expert resource person Mr. Abijit Debnath emphasized the shift toward AI-assisted drug discovery and molecular docking to accelerate therapeutic identification.



PROFESSIONAL DEVELOPMENT

MASTERING SOFT SKILLS BEYOND DEGREES

PROGRAM: CAPACITY DEVELOPMENT | OCT 17 – OCT 25, 2025

A five-day program led by Mr. Vijay Purohit (Senior Soft Skills Trainer) empowered 40 B. Pharm students with essential managerial tools. The curriculum focused on:

- Leadership: Navigating challenges with resilience and problem-solving.
- Time Management: Utilizing Daily Planners (Must Do, Should Do, Can Do).
- Project Management: Understanding the "4 Ps"—People, Product, Process, and Project.

IMPACT STATS: 100% of participants demonstrated improved clarity in verbal communication and better project planning awareness, aligning with UN Sustainable Development Goals (SDG 4 & 8).



COKE STUDIO LIVE EXPERIENCE (4TH NOV, 2025)

On the evening of November 4th, 2025, the Cultural Club successfully organized the highly anticipated Coke Studio Live Experience on the main campus grounds. Under the meticulous coordination of Hritik from the M. Pharmacy department, the event transformed the campus into a vibrant hub of fusion music, lights, and cultural celebration, drawing a record-breaking audience of students and faculty alike.

The musical showcase featured an eclectic lineup of student artists performing timeless hits and original re-interpretations across various genres. Hritik's administrative leadership ensured flawless logistical execution—ranging from state-of-the-art sound setup to crowd safety compliance—making it an unforgettable milestone for the Cultural Club this semester.

"The evening beautifully bridged traditional acoustic melodies with modern electronic synthesis, echoing the true spirit of Coke Studio."

ANNUAL TEAM BUILDING EXERCISE (18TH NOV 2025)

Following the emphasis on holistic student development, the Sports Club organized an intensive Team Building Exercise on November 18th, 2025. spear-headed by Moksh, a dedicated student coordinator from the B. Pharmacy department, the event aimed to bolster camaraderie, strategic thinking, and physical endurance among the participating departmental cohorts, fostering cross- disciplinary friendships and renewing a strong spirit of sportsmanship across the campus community.

The day was filled with a progression of challenges, including tactical obstacle courses, problem-solving simulations, and collaborative relays. Thanks to Moksh's dynamic management and motivational focus, the event saw exceptional engagement, fostering cross- disciplinary friendships and renewing a strong spirit of sportsmanship across the campus community.

"True leadership isn't just about winning the race; it's about anchoring the team and ensuring that everyone crosses the line together."

INDUSTRIAL FIELD VISIT TO NATUUR MANUFACTURING LIMITED DATE: 15–16 OCTOBER 2025

GURUGRAM — Shifting the learning landscape from traditional lecture halls to dynamic industrial environments, the School of Medical and Allied Sciences (SMAS) organized an immersive two-day field visit to Natuur Manufacturing Limited on October 15 and 16, 2025. Convened by Prof. (Dr.) Hema Chaudhary (Dean, SMAS) and coordinated by Ms. Meher Priya Sharma, the academic excursion targeted first-year Diploma in Pharmacy students. The initiative directly advanced Sustainable Development Goal 4 (Quality Education) by equipping future pharmacists with practical competencies. Diploma in Pharmacy students visited Natuur Manufacturing Limited, Gurugram, to bridge classroom learning with industrial exposure. Students observed manufacturing processes, quality control systems, packaging techniques, and GMP compliance. The visit offered practical insight into formulation science, industrial workflow, and process technology, preparing students for future professional roles in pharmaceutical and cosmetic manufacturing sectors.





UNITY IN DIVERSITY: ENSURING EQUITY AND RESPECT FOR ALL

DATE: 28 NOVEMBER 2025

On November 28, 2025, SMAS turned traditional nutrition education into a lively cultural festival by organizing an offline culinary exhibition titled “Unity in Diversity: Ensuring Equity and Respect for All”. Coordinated by Dr. Saroj Yadav and Mrs. Renu Yadav, this unique exhibition brought together 57 participants from across diverse academic schools of the university. The initiative directly aligned with SDG 10 (Reduced Inequalities) by fostering social inclusion, encouraging mutual respect, and breaking down cultural barriers within the campus community. "By bringing together students from different disciplines, regions, and cultural identities, the event fostered equal representation, encouraged mutual respect, and reinforced the idea that equity, respect, and cultural exchange are essential for an inclusive society." The program opened with an address highlighting the vital importance of cultural harmony in modern academic spaces, followed by an introductory speech from Dean Prof. (Dr.) Hema Chaudhary. Out of 27 initial online entries, students were organized into four mixed-discipline teams tasked with preparing traditional regional dishes alongside detailed nutritional charts. The stalls showcased a wide variety of healthy options, including high-protein chaats, fresh fruit clusters, and regional breakfast specialties. By connecting healthy eating habits with regional food histories, the event successfully promoted inclusive learning.



BREAKING THE SILENCE: PODCAST COMPETITION TACKLES MENTAL HEALTH STIGMAS IN INDIAN SOCIETY

DATE: 28 OCTOBER 2025

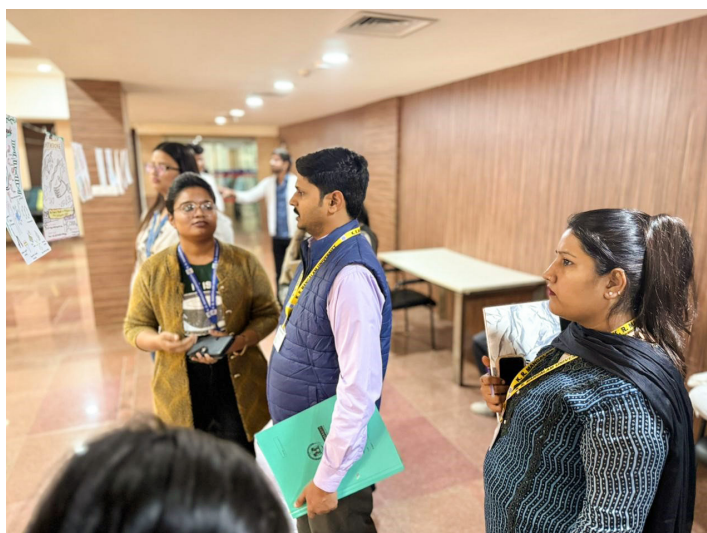
Recognizing the power of digital media in driving social change, SMAS launched an intra-university podcast competition on October 28, 2025. Titled “Breaking the Silence: Mental Health a Stigma in Indian Society,” the platform was designed to promote empathy and open conversations about mental health across the campus community. The competition was overseen by Dean Prof. (Dr.) Hema Chaudhary and organized by faculty coordinators Dr. Farheen and Ms. Namya, drawing 20 competitors and 24 active student attendees. The session was judged by Mr. Prashant Panwar, Convenor of the Chetana Society of KRMU, who shared valuable insights on addressing mental health concerns. Each competitor was given a strict 5-minute window to deliver their podcast, followed by a targeted Q&A session focused on clinical misconceptions and societal barriers. Discussions covered key public health concerns, including anxiety management, depressive cycles, academic stress, and building stronger emotional support networks. Following detailed evaluations based on domain knowledge, delivery clarity, and overall impact, the top honors were awarded to Dawan (First Prize, B. Pharm 1st Year), Ankush (Second Prize, B. Pharm 4th Year), and Rahul Khan (Third Prize, B. Pharm 2nd Year), all of whom received mementos from the judge.



POSTER COMPETITION MAPS OUT AI INTEGRATION IN NEXT-GEN THERAPEUTICS AND DIAGNOSTICS

DATE: 18 NOVEMBER 2025

Exploring the frontier where clinical practice meets artificial intelligence, SMAS organized an intra-university poster presentation on November 18, 2025. The event, titled “The Future of Healthcare: Integrating AI for Enhanced Therapeutic and Diagnostic Solutions,” was conceptualized by Convenor Prof. (Dr.) Hema Chaudhary and coordinated by Mr. Mohit Agrawal. The competition saw 40 students transform complex technological ideas into creative, visually engaging posters focused on cutting-edge clinical concepts, including predictive health analytics, robotic surgeries, customized treatment designs, and machine learning-driven diagnostic tools. Dr. Rupesh Kumar Tipu, Assistant Professor from the School of Engineering and Technology (SOET), served as the expert judge, evaluating entries based on technical accuracy, originality, and concept clarity.



PHARMA NEWS

\$142B	54	+14.2%	22%
TOTAL Q4 M&A	TOTAL 2025 FDA	BIOTECH INDEX	ADC PIPELINE

OCTOBER: MASSIVE CONSOLIDATION IN RESPIRATORY & METABOLIC

OCT 05, 2025

MERCK CLOSES \$10.8B VERONA PHARMA DEAL

The acquisition of Verona Pharma introduces Ensifentrine to Merck's portfolio. Analysts project peak annual sales of \$3.2 Billion by 2031, filling the revenue gap as older patents expire. This marks Merck's largest respiratory play in a decade.

OCT 19, 2025

Eli Lilly Reports Record GLP-1 Demand

Lilly reported a 38% year-over-year increase in revenue for Q3/early Q4, driven by Zepbound. The company announced an additional \$2.5B investment in German manufacturing facilities to meet global demand.

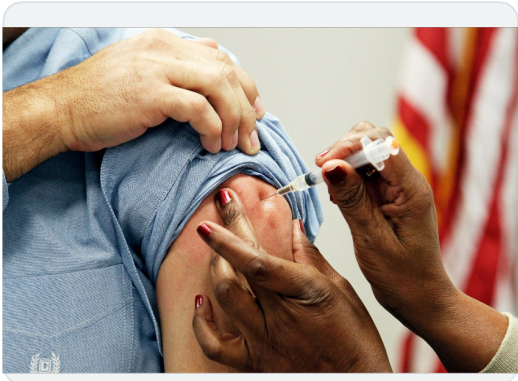


NOVEMBER: THE RISE OF SPECIALIZED BIOLOGICS

NOV 12, 2025

PFIZER'S \$10B METSERA BUY: THE "NEXT GEN" OBESITY PLAY

Pfizer pivoted its obesity strategy by acquiring Metsera. Unlike current daily/weekly shots, Metsera's lead candidate aims for monthly dosing, which clinical trials suggest could improve patient adherence by 45%.



STATISTIC FOCUS: The "War on Obesity" has seen **\$45 Billion** in venture capital and M&A activity in 2025 alone. By December 2025, over 12 million Americans are estimated to be on some form of GLP-1 agonist.

DECEMBER: YEAR-END REGULATORY SURGE

DEC 08, 2025

FDA APPROVES 3 NEW GENE THERAPIES

In a historic week, the FDA approved three separate gene therapies for rare pediatric conditions. This brings the total number of approved cell/gene therapies to 14 in 2025, a 100% increase from 2023 levels.

Q4 FINANCIAL SNAPSHOT: TOP MERGERS

Acquirer	Target Company	Deal Value	Strategic Driver
Johnson & Johnson	Intra-Cellular	\$14.6 Billion	Neuroscience / Bipolar Disorder
Merck	Verona Pharma	\$10.8 Billion	COPD / Respiratory Innovation
Pfizer	Metsera	\$10.0 Billion	Next-Gen Weight Loss
	C4 Therapeutics	\$2.4 Billion	Protein Degradation (Oncology)

MARKET SHARE BREAKDOWN: Q4 R&D SPEND



- ONCOLOGY (30%)
- METABOLIC/OBESITY (25%)
- IMMUNOLOGY (25%)
- OTHERS (20%)





K.R. MANGALAM UNIVERSITY
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