

BAPM SOCIETY

NEWSLETTER



BAPM

Year : 2025 | Edition : Volume 1 | Issue : 1

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"Equipped with his five senses, man explores the universe around him and calls the adventure Science"

: Edwin Hubble



"The body is a cell state in which every cell is a citizen. Disease is merely the conflict of the citizens of the state brought about by the action of external forces."

: Rudolf Virchow

"The smallest organisms can wield the greatest power."

: Antonie van Leeuwenhoek



"The dream of every cell is to become two cells."

: François Jacob

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28. Dr. Ashab Anwar, Araria
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(Public Relation Incharge), Forbisganj
30. Dr. Ravi Prabhat, Muzaffarpur

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(Academic Wing)"**

1. Dr. Sushanto Mukherjee (Chairman), Patna
2. Dr. Shreekant Bharti (Co-Chairman), Patna
3. Dr. Kumar Suneet, Bhagalpur
4. Dr. Ranjan Kumar Rajan, Darbhanga
5. Dr. Pankaj Patel, Muzaffarpur
6. Dr. Zeenat S. Imam, Patna
7. Dr. Monilisha Jha, Katihar
8. Dr. Mridushri, Patna
9. Dr. Anurag Mohan, Purnea
10. Dr. Pulak Raj, Biharsharif
11. Dr. Ankit Anand, Saharsa
12. Dr. Aarushi Anupriya, Muzaffarpur
13. Dr. Sneha Aditi, Patna

Executive Committee members *IT Wing :

1. Dr. Neyaz Ahmad (Chairman)
2. Dr. Shambhu Singh (Co-Chairman)
3. Dr. Abhijeet Das
4. Dr. Shadmah Anwar



Message from the Chief Patron



I am immensely delighted to know that the BAPM is going to start the newsletter followed by a journal. I am sure that the newsletter will focus on the brief history of our first foundation chapter, which was started long back in 1986 as the Bihar and Jharkhand chapter of IAPM under the leadership of Late Prof. T.P. Verma, Prof. & HOD Pathology, PMCH, Patna. Two or three chapter conferences were held up to 1991. Due to some unavoidable circumstances, the chapter activity then became dormant.

Again, at the National Conference of IAPM in 1997 at Lucknow, the GBM had decided to give the responsibility to me to conduct the Annual Conference at Patna. With the support of all the members, the national chapter was well organized in November 1997 under the banner of Bihar & Jharkhand chapter of IAPM. After 1997, the chapter had organized the East Zone IAPM Annual Conference in October, and it was well attended by many delegates from all East Zone states. The chapter was revived, and its reputation became international for some academic highlights.

In 2014, after a long gap, BAPM was reformed with its first meeting held in 2014 at RIMS, Ranchi and since that year, the annual conferences are going on. I am happy to share that the chapter is organizing workshops and CMEs every year.

As the BAPM is now in a position to start its news bulletin, I humbly appeal to all the members and learned colleagues to participate wholeheartedly so that this activity of BAPM becomes a great success.

I am sincerely thankful to the present office bearers for giving me the responsibility to write a brief introduction.

Long Live IAPM & BAPM

Prof. (Dr.) Shivendra Kumar Shahi



Message from the Patron cum Treasurer BAPM



It gives me immense joy to witness the launch of the very first e-Newsletter of BAPM. Over the years, the society has grown steadily in its academic strength and organizational vibrancy, and this initiative marks another milestone in that journey. The e-Newsletter will serve not only as a platform to share scientific updates, achievements, and opportunities, but also as a medium to strengthen the bonds among our members spread across different regions. I am delighted to see the academic wing taking this dynamic step forward to connect, engage, and inspire.

As someone who has had the privilege of being closely associated with the society's activities, I feel proud of the collective enthusiasm and commitment that continues to drive BAPM. I extend my warmest wishes to the editorial team, the academic wing, and to every member for making this venture possible. May this e-Newsletter grow into a vibrant reflection of our society's aspirations, fostering knowledge, collaboration, and excellence in the years to come.

»» **Dr. Birendra Prasad**
Past President & Patron, BAPM

Message from the President BAPM



I am pleased and excited to announce the launch of the first newsletter of BAPM. The newsletter that is going to be a monthly or quarterly affair will feature scientific articles from the members of BAPM along with interesting case discussions. Besides the scientific content the newsletter will also have news from the healthcare industry to keep us abreast with developments happening around us.

It would be great if the young and prospering pathologists and microbiologists in the state of Bihar come forward with their articles to make this BAPM newsletter a successful initiative by BAPM.

Looking forward to the cooperation from all the members of BAPM in contributing their best for the BAPM magazine.

With Best Wishes
Dr. A K Sinha
President - BAPM



Message from the Secretary BAPM



Dear Members of BAPM,

I am delighted to share my enthusiasm for the upcoming launch of our first newsletter during the workshop cum CME on September 7, 2025. This milestone marks a significant achievement in our efforts to enhance academic activities and promote excellence in pathology and microbiology.

I would like to express my sincere gratitude to the members of our academic wing, particularly our Chairman, Dr. Sushanto Mukherjee, and Co-chairman, Dr. Shreekant Bharti, for their tireless efforts in preparing this newsletter. Their dedication and expertise have been instrumental in shaping the content and direction of our newsletter.

The newsletter aims to provide updates on the latest developments in pathology and microbiology, showcase the achievements of our members, and foster a sense of community among professionals in the field. I am excited about the potential of this newsletter to promote excellence and collaboration in our community.

Thank you to everyone involved in making this newsletter a reality. I hope you enjoy reading our first edition and look forward to your continued support and engagement.



Prof. (Dr.) Rajesh Kumar
Secretary, BAPM

Message from the Chairman Academic Committee BAPM



It gives me immense satisfaction to witness the dawn of a new chapter in the academic journey of BAPM with the launch of its newsletter. A professional body thrives not only on its conferences and meetings, but equally on the continuity of dialogue and exchange of ideas among its members. This newsletter will serve as that bridge, carrying knowledge, experiences, and reflections across our community.

Pathology, microbiology and biochemistry are sciences that evolve every day, and it is vital for us to remain engaged with emerging research, novel diagnostic tools, and contemporary practices. I believe this platform will encourage our colleagues—particularly the younger generation—to contribute actively, share their perspectives, and thereby enrich the collective wisdom of our society.

I congratulate the editorial team, especially Dr. Shreekant Bharti (Co-Chairman) and the office bearers of BAPM for their dedication in bringing this vision to reality. I also appeal to each member to lend their support through contributions, suggestions, and active participation, so that the newsletter may grow into a repository of knowledge and inspiration for years to come.

With warm regards and best wishes,

Dr. Sushanto Mukharjee
Chairman, Academic Committee



Bihar Association of Pathologists & Microbiologists (BAPM) : An Evolutionary Journey

Bihar Association of Pathologists & Microbiologists (BAPM) is the Bihar Chapter of the Indian Association of Pathologists & Microbiologists (IAPM). IAPM is a non-commercial professional organization, established in 1949 with the objective of advancing pathology, microbiology, and allied sciences. It is affiliated with the International Academy of Pathology (IAP).

In Bihar, the association began as the IAPM Bihar Chapter in 1988. The first President of IAPM Bihar was Dr. T. C. P. Verma, Professor and Head, Department of Pathology, Patna Medical College. The first National Conference of IAPM in Bihar was held in 1995, organized by IGIMS, Patna, under the leadership of Prof. (Dr.) Shivendra Kumar Shahi, HoD, Microbiology.

The IAPM Bihar Chapter was hosted at PMCH in 2006. After a gap of several years, it was revived in 2014 through the dynamic vision of pathologists and microbiologists of Nalanda. Dr. Birendra Prasad, along with his team, organized a meeting at Sanjay Gandhi Jaivik Udyan, Rajgir. The meeting was attended by senior and eminent academicians including Prof. (Dr.) S. K. Shahi, Prof. (Dr.) A. K. Chaudhary, Prof. (Dr.) R. V. N. Singh, Prof. (Dr.) Jagdeo Sharma, Prof. (Dr.) P. K. Chaudhary, Dr. U. S. Arun, Dr. Kumar Suneet, Dr. Satyendra Kumar, Dr. Mukesh Kumar Shah, Dr. Ajay Kumar, Dr. Awadhesh Prasad, Dr. Prabhat Ranjan, Dr. Sushanto Mukherjee, Dr. Sujata Mukherjee, and several others.

It was unanimously decided to restructure the IAPM Bihar Chapter, with Prof. (Dr.) R. V. N. Singh as President, Dr. Sushanto Mukherjee as Secretary, and Dr. Ajay Kumar as Treasurer. This revival led to the successful organization of BAPCON 2014 at the Convocation Centre, Rajgir, on 8th–9th November 2014, where a comprehensive directory of all pathologists and microbiologists was also released.

Subsequent Conferences:

- **BAPCON 2018** – held in Deoghar under the Presidentship of Prof. (Dr.) S. K. Shahi and Secretary Dr. Ajay Kumar.
- **BAPCON 2019** – held in Purnea under the Presidentship of Prof. (Dr.) Ajit Kumar Chaudhary and Secretary Dr. Satyendra Kumar.
- **BAPCON 2020** – held at DMCH, Darbhanga, under the Presidentship of Prof. (Dr.) Ajit Kumar Chaudhary and Secretary Dr. Satyendra Kumar.

Due to the COVID-19 pandemic, BAPCON could not be organized in 2021 and 2022.

- **BAPCON 2023** – hosted at Bhagwan Mahavir Institute of Medical Sciences, Pawapuri (Nalanda), under the Presidentship of Prof. (Dr.) P. K. Chaudhary and Secretary Dr. Kumar Suneet.

- With a vision to strengthen the organization, Dr. Birendra Prasad as President and Treasurer undertook the monumental task of transforming the IAPM Bihar Chapter into the Bihar Association of Pathologists & Microbiologists (BAPM). It was his vision to include Biochemists as members. He successfully registered the association and nominated Dr. Sushanto Mukherjee as Corporate Chairman for two consecutive years, elevating BAPM to a higher platform.
- **BAPCON 2024** – organized at IGIMS, Patna, under the Presidentship of Dr. Birendra Prasad and Secretary Dr. Pranav Verma, with guidance from Prof. (Dr.) Bipin Kumar, HoD, Pathology, IGIMS. For the first time, BAPCON witnessed a large number of registrations and strong corporate participation.
- **BAPCON 2025 (18th Annual Conference of BAPM)** – hosted at Katihar Medical College, Katihar, from 14th–16th February 2025, under the leadership of Dr. Birendra Prasad (President & Treasurer) and Dr. Pranav Verma (Secretary). The Organizing Chairperson was Prof. (Dr.) Rajesh Kumar, HoD, Pathology, KMCH, Katihar.
 - o The event commenced with a hands-on workshop on Frozen Section and Liquid-Based Cytology, followed by two days of academic deliberations by national experts in diagnostic pathology.
 - o The theme of the conference was *"The Paradigm Shift in Diagnostic Medicine – From Morphology to Molecular Pathology."*
 - o The conference was accredited 12 credit hours by the Bihar Medical Council.
 - o Lifetime Achievement Awards were conferred upon Prof. (Dr.) S. K. Shahi, Prof. (Dr.) A. K. Chaudhary, and Prof. (Dr.) R. V. N. Singh.
 - o For the first time, corporate partners were awarded with Lifetime Contribution Award; Rose Medicare, Sanwalia Enterprises and Aparimap Enterprises. A Special President's Award was conferred upon Carp Biotech Pvt Ltd / Rapid House.
 - o This conference was seen as a true revival since BAPCON 2014, marking a new milestone in the history of BAPM.

Other Academic Activities :

In March 2014, a CME was organized at Maurya Hotel, Patna, attended by over 125 delegates. The program was conducted as a prelude to the revival of the IAPM Bihar Chapter before the Rajgir conference. The theme of illegal laboratories in Bihar was discussed, with **Mr. Justice S. C. Mukherjee** as the Chief Guest. For the first time, six eminent icons of Bihar were honoured with Lifetime Achievement Awards:

- | | |
|---|----------------------------------|
| • Prof. (Dr.) T. C. P. Verma | Prof. (Dr.) B. B. Verma |
| • Dr. Dilip Sen | Prof. (Dr.) Jagdeo Sharma |
| • Padma Shri Prof. (Dr.) S. P. Mukherjee | Prof. (Dr.) D. P. Sinha |

In July 2014, another CME was held in Patna on Vitamin D Deficiency and ELFA (BioMérieux), followed by an IAPM Bihar Chapter meeting.

In 2024, under the banner of BAPM, a CME was conducted in Deoghar in collaboration with Meril Diagnostics.

Also in 2024, a CME on Soft Tissue Pathology was organized at Katihar Medical College, Katihar, under the able guidance of Prof. (Dr.) Rajesh Kumar. For the first time, the event was attended by over 100 delegates, and its scale and quality matched that of a full-fledged conference.

In 2025, a CME was hosted at Hotel Panache, Patna, attended by over 130 delegates. It was conducted under the umbrella of BAPM, in collaboration with Fuji Films on Dry Chemistry, and was followed by a BAPM meeting.



Highlights of BAPM Committee Meetings (Past Year)

Key decisions taken after installation program of new office bearers in the 1st Executive Committee Meeting of BAPM (2025-26)

- a. Conference: Scheduled for February 6,7 and 8, 2026, in Bodh Gaya (2026).
- b. CME and Workshop: Venue-SKMCH Muzaffarpur, Dates-7/9/2025
- c. Academic and IT Wing: Initiatives include an online teaching platform, quarterly newsletter/magazine, and biannual BAPM Journal.
- d. Membership Drive: Efforts to increase BAPM life membership.
- e. Accreditation Certificate: Issuance of BAPM-recognition certificate to life members.
- f. Anti-Illegal Laboratory Measures: Action against unauthorized labs at district and court levels and public awareness poster against unauthorized labs.
- g. District Level Branches: Establishment to enhance activities and combat illegal labs.
- h. Account detail was presented by the past President and present Patron cum treasurer Dr Birendra Prasad

Looking Ahead :

- **BAPCON 2026** is scheduled to be organized by BAPM at Gaya Ji, the sacred city of Lord Buddha's enlightenment. The organizing team will be led by Dr. A. K. Sinha (President), Prof. (Dr.) Rajesh Kumar (Secretary), and Dr. U. S. Arun (Organizing Chairperson).

The Goals of BAPM

- Release of quarterly newsletter cum magazines.
- Inviting manuscripts for starting a quality journal of BAPM.
- Strengthening the editorial team with frequent trainings and support that helps curate standard publishable material and filter out the ineligible ones.
- Preparation of learning resources (video lectures, eBooks, Surveys/ questionnaires etc.) by BAPM members for posting on the website.
- Having an office of BAPM in the state capital Patna with facilities for small meetings and online meeting facilities.
- Starting a scientific journal of BAPM society with subsequent indexing in standard journal archives.
- Developing the website to a fully capable one, delivering high quality learning resources as well as scientific updates in the form of text, audio and visual contents.
- Planning and updating strategies for establishment of a fair and authentic lab reports free from unauthorized laboratory diagnostic practices in state of

Invitation to BAPM Conference 2026 – Bodh Gaya

I am delighted to invite everyone to the holy city of Gayaji and bathe yourself in the three days of rich scientific deliberations by stalwarts in the field of Pathology, microbiology and biochemistry between 7th to 9th February 2028. The Gaya chapter of BAPM is going to organize the Annual BAPM conference and is eager to host you. The serene Buddhist monasteries to Jain temples to the enthralling glass bridge of Rajgir and the scenic natural beauties await you all. Please keep your alert for the forthcoming alerts for registration and mark your calender. BAPM Gaya chapter awaits you!

-BAPM Gaya Chapter



Membership Drive – Join BAPM

We invite you to join the Life Membership of BAPM! This prestigious membership offers exciting benefits, including:

- Discounted registration in CMEs, conferences, workshops, and exclusive events
- BAPM's recognized certificate & Identity Card
- Future access to a legal team for lab registration and working issues.
- Lifetime Membership Fees: 5100/- only



Breakthrough Scientific Discoveries around the Globe

MY ROBOT IS PREGNANT!

You heard it right!

China Unveils Plans for Robot Pregnancy with Artificial Womb

At the 2025 World Robot Conference in Beijing, Chinese firm Kaiwa Technology unveiled a groundbreaking project: a humanoid robot capable of pregnancy using an artificial womb.

The system would allow human embryos to develop entirely inside the robot's abdomen, with nutrients and oxygen delivered via a tube mimicking the umbilical cord. The company claims the first prototype could be ready by 2026, at an estimated cost of 100,000 yuan (~USD 14,000).

The idea builds on earlier artificial womb research, such as the 2017 "biobag" experiments with lambs. Advocates suggest it could offer new hope for infertility solutions, while critics warn of deep ethical, emotional, and legal dilemmas surrounding childbirth without women.

(Source : New York Post)

<https://nypost.com/2025/08/17/tech/pregnancy-robots-could-give-birth-to-human-children/?utm>



You are what your Vagus nerve is!

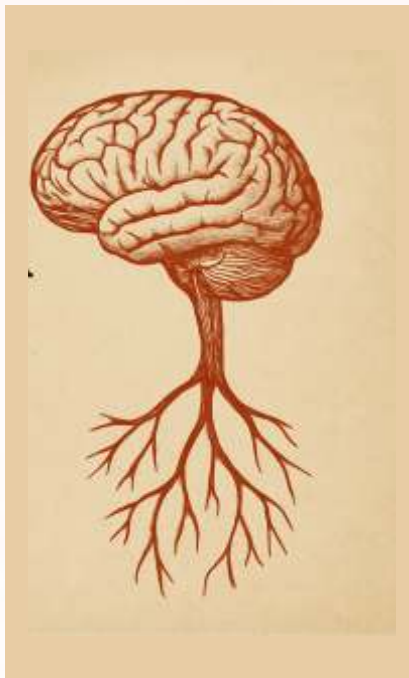
The highway of intricate link between emotion, thought, and physical response : The Vagus Nerve

The vagus nerve, the body's longest cranial nerve, is essential for integrating brain and body into a unified "mind." Emerging from the brain's medulla, it branches widely through the head and trunk, innervating major organs such as the heart, lungs, and gut. The vagus acts as both conduit and controller, sending signals that regulate vital functions—like heart rate, digestion, and immune response—while also shaping mood, learning, emotional states, and more.

Unlike other nerves, the vagus branches directly from the brain, not the spinal cord, and its left and right divisions connect to asymmetrically placed organs, conferring functional differences. The nerve works as both a brake and an accelerator: it can calm the body after stress by restoring resting

heart rate and homeostasis or stimulate activity when needed. This dual function is the biological basis behind innovative therapies where mild electrical stimulation of the vagus is being explored and used to treat conditions including epilepsy, depression, migraine, obesity, and even post-stroke mobility problems—without the need for neurosurgery.

While the vagus nerve's extensive influence invites both scientific study and (sometimes dubious) alternative therapies, its real marvel lies in its ability to orchestrate the mind's emergence from the body's physiological states. Without it, the intricate link between emotion, thought, and physical response would break down, affecting fundamental experiences like fear, pleasure, and resilience after stress.



Source : (Quanta Magazine; Neuroscience)

<https://www.quantamagazine.org/how-our-longest-nerve-orchestrates-the-mind-body-connection-20240826/>

Did You Know?

Fun Science Trivia (Can be arranged in stickers individually)



The "immortal" HeLa cells from Henrietta Lacks (1951) are still alive, dividing in labs worldwide-outliving her by 70+ years.



Time passes differently at different altitudes-if you live on the top floor of a building, you're aging a tiny fraction faster than someone in the basement (thanks to relativity).

“ We carry more microbial cells than human cells-you're technically only ~43% human by cell count. ”

“ Some bacteria can “breathe” metals instead of oxygen, like Geobacter using iron ”

14. Pathumour

Why was the bacteria so respected in the society?
Because it was **CULTURED!!**



Why does the technician stay calm in all circumstances?
Because he uses **CONTROL** thrice a day!



15. Jobs, Exams, Fellowships, Residencies

1. **Walk-in Teaching Faculty recruitment at ESIC Medical College and Hospital, Ranchi, Jharkhand**

https://ranchihospital.esic.gov.in/recruitments/esichospital_recruitment_list

2. **Recruitment for Group A, Group B (Teaching/ Non-teaching) posts at JIPMER, Puducherry**

<https://jipmer.edu.in/announcement/jobs>

3. **Walk-in Interview for Senior Resident Posts at AIIMS Gorakhpur**

<https://aiimsgorakhpur.edu.in/current-notice/>

4. **Fellowship in Tumor Pathology at Sri Shankara Cancer Hospital & Research Center, Bengaluru**

<https://www.shankaracancerhospitals.org/academic-course/rguhs-fellowship-tumour-pathology>

"Compiled and Created by BAPM Academic Committee"



BAPM

Gitanjali Patho Diagnostics, Patna

 : bapmbihar2023@gmail.com

 : **+91-7909056495**



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