



Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Request for students visit-Reg

10 messages

Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Thu, 24 Sep at 11:05 AM

To: <director@ccmb.res.in>

Cc: M R <priya@ccmb.res.in>

Dear Sir,

I request you to kindly permit our students for a visit to CCMB facilities and possible interaction with the scientists. The students of B.Pharmacy would greatly benefit with the visit as a motivation for their career advancement.

Kindly do the needful.

Thanks & regards,

Dr.Hyma.P M.Pharm., Ph.D.

Professor, Dept. of Pharmaceutics

Sarojini Naidu Vanita Pharmacy Mahavidyalaya

Hyderabad

9949672918

B V <bvrk@csirccmb.org>

Wed, 30 Sep at 5:38 PM

To: <hymaponnaganti1@gmail.com>

Dear Dr Hyma,

Thank you for showing interest in sending your students. Please let me know how many students and the tentative dates.

regards,

B V Ramakrishna

PRO, CCMB

040-27192541/9866632254

----- Forwarded message -----

From: **Dr. Vinay Kumar Nandicoori** <director.ccmb@csir.res.in>

Date: Thu, Sep 24, 2026 at 5:22 PM

Subject: Fwd: Request for students visit-Reg

To: bvrk <bvrk@csirccmb.org>

Acti
Go to

To: B V <bvrk@csirccmb.org>

Dear sir,

Thank you for confirmation mail, we will visit on 12 th october at the allotted timing, total 55 students and 2 faculty will be visiting.

Thanks and Regards

[Quoted text hidden]

Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Thu, 8 Oct at 11:02 AM

To: B V <bvrk@csirccmb.org>

Dear Sir,

Greetings for the day

Kindly advise the procedure for the visit, we will produce the confirmation mail recieved at the security, will report on 12-10-2026, 2:30 pm sharp.

Thanks and Regards

Dr.Hyma

[Quoted text hidden]

B V <bvrk@csirccmb.org>

Fri, 9 Oct at 5:28 PM

To: Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Dear Dr Hyma,

I request you to kindly reschedule your students' visit to CCMB to 16 October 2026.

regards,

B V Ramakrishna

[Quoted text hidden]

Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Fri, 9 Oct at 5:29 PM

To: B V <bvrk@csirccmb.org>

Thank you sir, will be there along with students.

Regards

[Quoted text hidden]

Hyma Ponnaganti <hymaponnaganti1@gmail.com>

Fri, 9 Oct at 5:29 PM

To: <neelima_kudumula@yahoo.com>

[Quoted text hidden]

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SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA (CO-ED)

(Sponsored by the Exhibition Society)

Affiliated to Osmania University, Approved by PCI-New Delhi

NBA Accredited B. Pharmacy Course, Accredited A+ grade by NAAC

NABET-QCI Rated with A Grade-B.Pharmacy

REPORT ON EDUCATIONAL VISIT TO CSIR–CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY (CSIR–CCMB), HYDERABAD

Visit Details

Date of Visit: 17th October 2026 (Saturday)

Place of Visit: CSIR–Centre for Cellular and Molecular Biology (CSIR–CCMB), Hyderabad, Telangana

Nature of Visit: Educational visit to research facilities on a regular working day

Faculty Members: Dr. Hyma and Dr. Varalakshmi

Students Visited: 44 students — 8 B. Pharmacy students and 36 M. Pharmacy students

Background: This was the second student visit to CCMB. It provided an opportunity for students who could not attend the earlier visit on 26th September 2026 to experience the research environment at CCMB.

1. Introduction

An educational visit to the CSIR–Centre for Cellular and Molecular Biology (CSIR–CCMB), Hyderabad, was organized on 17th October 2026 for students of Sarojini Naidu Vanita Pharmacy Mahavidyalaya. The visit was accompanied by Dr. Hyma and Dr. Varalakshmi and included 44 students, comprising 8 B. Pharmacy students and 36 M. Pharmacy students.

Unlike the earlier visit held during an Open Day, this was a regular-day educational visit. There were no public stalls or Open Day activities. Students were given an opportunity to observe selected research facilities and learn about the scientific instruments, laboratory environments, and research areas involved in modern biotechnology and biomedical science.

The visit provided useful exposure to genetics, genomics, proteomics, microscopy, DNA sequencing, PCR, chromatography, and research related to cancer and breast cancer diagnosis.

2. Objectives of the Visit

To provide students with exposure to a major cellular and molecular biology research institution.

To observe selected biotechnology and biomedical research laboratories and their facilities.

To learn about advanced microscopy and imaging technologies.

To gain an overview of DNA sequencing, PCR equipment, and molecular biology techniques.

To understand the research applications of genetics, genomics, and proteomics.



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To observe the Drosophila research facility and understand the use of model organisms in research.

To become familiar with chromatography and High-Performance Liquid Chromatography (HPLC) equipment.

To learn about research activities related to cancer biology and breast cancer diagnosis.

To connect classroom learning in pharmaceutical sciences with laboratory-based research.

3. Overview of the Visit

The visit was conducted on a normal working day at CSIR–CCMB. Students observed selected laboratories and facilities, including some from outside, and received an overview of their scientific purpose and applications. The focus was on biotechnology-oriented research infrastructure and laboratory instruments rather than public demonstrations or stalls.

The facilities and research areas observed included advanced microscopy and imaging, DNA sequencing, PCR equipment, Drosophila research, proteomics and genomics, chromatography and HPLC, and research related to cancer and breast cancer diagnosis.

4. Laboratories, Facilities, and Scientific Areas Observed

4.1 Genetics, Genomics, and Molecular Biology

Students gained an overview of research areas involving genetics, genomics, and molecular biology. These fields study genes, genetic information, and the organization and function of genomes. Such research supports understanding of biological processes, genetic variation, and disease mechanisms.

4.2 DNA Sequencing Laboratory

The students observed the DNA sequencing laboratory and learned about the role of sequencing technologies in determining the order of nucleotides in DNA. DNA sequencing is important in genetic research, identification of genetic variants, disease investigation, and several areas of biotechnology and biomedical research.

4.3 Polymerase Chain Reaction (PCR) Equipment

PCR equipment was among the molecular biology instruments observed. PCR is a technique used to amplify specific DNA regions, producing sufficient genetic material for further analysis. It has applications in molecular biology research, genetic testing, pathogen detection, and other laboratory investigations.

4.4 Advanced Microscopy and Imaging Technologies

Students learned about advanced microscopy and imaging facilities used to observe biological structures that cannot be adequately studied with the naked eye. Microscopy and imaging



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technologies help researchers examine cells, tissues, and other biological specimens and support investigations in cellular biology, disease mechanisms, and biomedical science.

4.5 Drosophila Research Facility

Students observed the Drosophila research facility. Drosophila, commonly known as the fruit fly, is used as a model organism in genetics and biological research. Research using Drosophila can help investigate genes, inheritance, mutations, development, and biological pathways relevant to understanding human health and disease.

4.6 Proteomics Laboratory

The proteomics laboratory was introduced as a facility concerned with the study of proteins, their structures, functions, and interactions. Proteomics can help researchers understand cellular processes and disease-related changes and may contribute to biomarker research and the development of scientific knowledge relevant to therapeutics.

4.7 Chromatography and High-Performance Liquid Chromatography (HPLC)

Students observed chromatography-related equipment, including HPLC facilities. Chromatographic techniques separate components of a mixture based on differences in their interactions with stationary and mobile phases. HPLC is widely used in pharmaceutical analysis, compound separation, quality control, and research applications.

4.8 Cancer Research and Breast Cancer Diagnosis

Students learned that research activities at the institution included work related to cancer research and breast cancer diagnosis. This provided an opportunity to appreciate how laboratory investigations and advanced technologies can contribute to understanding cancer biology and improving diagnostic approaches.

4.9 Biotechnology-Oriented Instruments and Laboratory Infrastructure

Overall, the visit offered exposure to biotechnology-oriented instruments and laboratory infrastructure, including molecular biology equipment, sequencing and PCR facilities, advanced imaging systems, and analytical instruments. The experience helped students appreciate the role of specialized equipment in generating reliable scientific data.

5. Relevance to Pharmacy and Biomedical Sciences

Molecular biology and genetics: support understanding of genetic mechanisms and disease processes.

Genomics and DNA sequencing: contribute to genetic research and investigations of disease-associated variants.

PCR: enables amplification of DNA for research and diagnostic applications.

Advanced microscopy: supports visualization of cells and biological structures.



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Proteomics: helps investigate proteins and biological pathways involved in health and disease.

Chromatography and HPLC: are important in pharmaceutical analysis, separation, and quality control.

Cancer research: strengthens understanding of disease biology and the scientific basis of diagnosis and treatment.

Model-organism research: illustrates how controlled biological systems can be used to investigate genes and biological processes.

6. Key Observations

The visit took place on a regular working day; it was not an Open Day or anniversary event.

No public stalls or Open Day demonstrations were part of this visit.

Students observed selected laboratories and research facilities, including some from outside.

The main focus was on biotechnology and biomedical research infrastructure.

Facilities and equipment observed included advanced microscopy, DNA sequencing, PCR, Drosophila research, proteomics, genomics, chromatography, and HPLC.

Students learned about research activities related to cancer and breast cancer diagnosis.

The visit provided an opportunity for students who missed the earlier visit on 26th September 2026 to experience CCMB.

7. Outcomes

- Gained a better understanding of the scientific research environment at CSIR–CCMB, Hyderabad.
- Became familiar with advanced laboratory facilities used in biotechnology and biomedical sciences.
- Acquired exposure to research areas such as molecular biology, genetics, genomics, proteomics, and cancer research.
- Understood the practical applications of theoretical concepts learned in pharmacy education.
- Gained awareness of advanced analytical techniques and modern laboratory infrastructure used in life sciences research.

8. Impact

- Enhanced students' awareness of the role of CSIR–CCMB in advancing scientific and biomedical research.



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- Highlighted the importance of interdisciplinary collaboration between pharmaceutical sciences, biotechnology, and molecular biology.
- Encouraged scientific curiosity and interest in research-oriented learning.
- Motivated students to explore future opportunities in biotechnology, pharmaceutical research, and life sciences.
- Strengthened students' understanding of the relevance of scientific research in healthcare and pharmaceutical development.

9. Learning Outcomes and Impact

The visit broadened students' understanding of the research environment at CSIR–CCMB and familiarized them with laboratory facilities used in biotechnology and biomedical science. It helped connect theoretical concepts from pharmacy education with practical research applications, particularly in molecular biology, genetics, genomics, proteomics, analytical techniques, and cancer research.

The experience also highlighted the importance of interdisciplinary collaboration between pharmaceutical sciences, biotechnology, molecular biology, and biomedical research. It may encourage students to explore research-oriented learning and future opportunities in laboratory science and pharmaceutical research.

10. Conclusion

The educational visit to CSIR–Centre for Cellular and Molecular Biology (CSIR–CCMB), Hyderabad, on 17th October 2026 was a valuable learning experience for 44 students of Sarojini Naidu Vanita Pharmacy Mahavidyalaya, comprising 8 B. Pharmacy and 36 M. Pharmacy students, accompanied by Dr. Hyma and Dr. Varalakshmi. As this was a regular-day visit, students did not participate in Open Day stalls or anniversary activities. Instead, they gained exposure to selected research facilities and learned about advanced microscopy, DNA sequencing, PCR equipment, Drosophila research, proteomics, genomics, chromatography, HPLC, and cancer-related research. The visit strengthened their appreciation of modern biotechnology and biomedical research and its relevance to pharmaceutical sciences.



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