

Request to circulate the information of the public lecture on 'Mapping the Human Body: Cell by Cell' being held at Science City, Kolkata on November 26, 2024 at 11:30 AM for enrolment by interested students.

SCIENCE CITY <sciencacity.kol@gmail.com>

Fri, Nov 22, 10:37 PM (3 days ago)

to bcc: me

To

The Principal

Dear Sir / Madam,

We are happy to inform you that Indian Academy of Sciences, Bengaluru and Science City, Kolkata are co-hosting a public lecture on 'Mapping the Human Body: Cell by Cell' at the Mini Auditorium of Science City on November 26, 2024 (Tuesday) at 11:30 AM.

The lecture would be delivered by Sarah Amalia Teichmann, FMedSci, FRS, Chair and Professor of Stem Cell Medicine, Cambridge Stem Cell Institute and Department of Medicine, Clinical School, Cambridge University, U.K. and Co-Founder, Human Cell Atlas international consortium. We believe that the lecture would be beneficial for the Science students, preferably to Biological Science.

We would, therefore, request you to kindly give publicity to this information among your students, so that the interested ones can enrol their names through Google link <https://forms.gle/yooCaf9yweVoyWKNA>. You may please note that the entry will be on first come first serve basis.

For any query, they may contact Shri Partha Sarathi Saha, Education Officer, Science City, at 9933183381.

With regards,

Anurag Kumar

Director

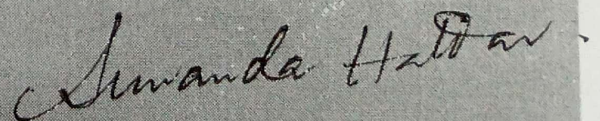
Science City

(A unit of National Council of Science Museums)

Ministry of Culture, Govt. of India

I.B.S. Haldane Avenue

Kolkata-700 046.



PRINCIPAL

MILLI AL AMEEN COLLEGE (For Girls)



**Report on Public lecture entitled "Mapping the human body: cell by cell" attended by
Department of Science at Mini auditorium in Science city**

Date: 26 November, 2024

Time: 11 a.m to 2 p.m.

Venue: Mini auditorium, Science city, Kolkata

Events

1. Inaugural speech by Sir Partha P. Majumdar (Ex-President Indian Academy of Sciences)
2. Welcome speech by Sir Anurag Kumar (Director, Science City)
3. Public lecture by Honourable Raman Chairperson 2024 Prof. Sarah A. Teichmann
4. Question- answer session

Report

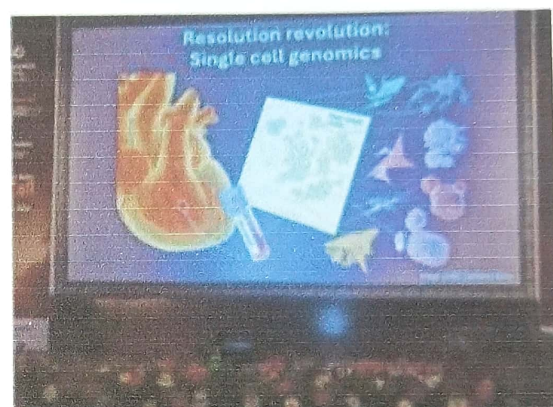
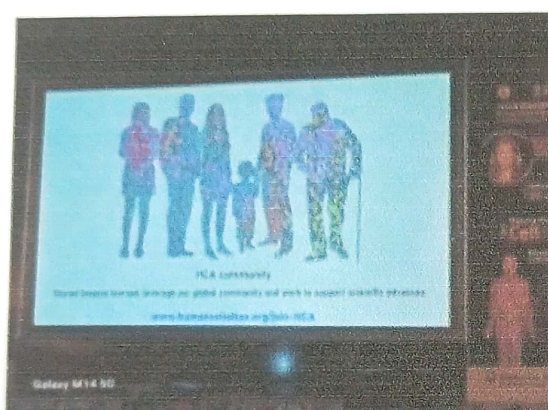
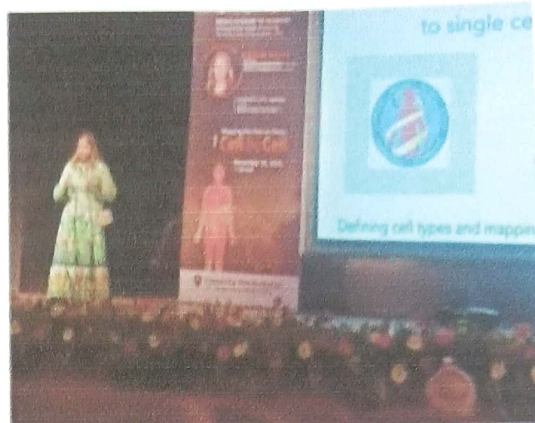
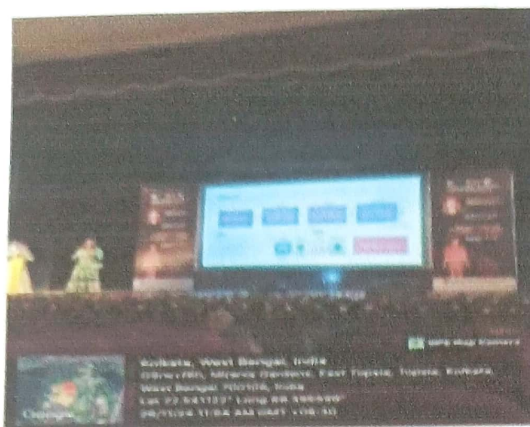
Firstly, the Department of Science and the respective students would like to thank our Respected Principal Ma'am, Dr. Sunanda Haldar, who gave us the formal consent and an opportunity to attend this lecture. Further, a public lecture on mapping of human body cell by cell was attended by the BSc General students under the supervision of Dr. Adeeb Fatima (Head of Department, Dept. of Botany) of Milli Al-Ameen college (for girls) on 26th November, 2024 at the Mini auditorium in Science city.

The public lecture was delivered by honourable Raman Chairperson 2024 Prof. Sarah Amalia Teichmann (Chair and Professor Stem cell medicine, Cambridge University, UK). The lecture was very clear and comprehensive for the science students, providing latest information and techniques related to cell to cell mapping via Human Atlas.

It provided the information of involvement of scientists across the world, more than 140 from India alone dedicated to discovery of cell types in rare diseases, identify the programs cell use, how and where disease genes act and many more questions were addressed. Students also understood the role of cell programming, prediction of drug targets in organs, identifying involvement of more than 20,000 protein crystal structures, synthetic genomics and engineering cells.

So, this session was highly igniting and encouraging for the students, where the students learned the basics of STEM and have the thirst to acquire more scientific knowledge.

Images from the Public lecture attended



- In the first two images Prof. Sarah A. Teichmann delivering her lecture.
- Last image of Department of Science (BSc general students along with Dr. Adeeb Fatima, HOD, Dept. of Botany)

Sumanda Halder

PRINCIPAL
MILLI AL AMEEN COLLEGE (For Girls)

STUDENT ATTENDANCE AND STUDENT EXPERIENCE

Semester - V

- | | | |
|---------------------|-------------------------------|-------------------------|
| 1. Shama Palveen | 26/11/24. | Shama Palveen. |
| 2. Sabia Suraiya | 26/11/24 | Sabia Suraiya |
| 3. Fasha Khatoon | 26/11/24 | Fasha Khatoon |
| 4. Shahiba Parveen | 26/11/24.
<u>Sem - III</u> | Shikha Parveen |
| 5. Ayesha Azmi | 26/11/24 | Ayesha Azmi |
| 6. Shahida Tabassum | 26/11/24 | Shahida Tabassum |
| 7. Nelam Banu | 26/11/24 | Nelam Banu. |
| 8. Shaista Anwar | 26/11/24 | Shaista Anwar (Sem III) |
| 9. Sabiha Afrin | 26/11/24 | Sabika Afrin (SEM III) |
| 10. Uzma Farhat | 26/11/24 | Uzma Farhat (SEM III) |

Semester I

- | | | |
|--------------------|-----------|-----------------|
| 1) Shazia Khan | 26/11/24 | Shazia Khan |
| 2) Fauzia Khan | 26/11/24 | Fauzia Khan |
| 3) Fatma Bint Amir | 26/11/24 | Fatma Bint Amir |
| 4) Rafia Tasneem | 26/11/24 | Rafia |
| 5) Shaista Muskan | 26/11/24. | Shaista Muskan. |

- Individual cell mapped from 18 biological network.
Fatma Bint Anwar
- Distinct slightly dynamic early cellular response between infection.
Fauzan Khan
- Pre-exposure immune signaling associated with protection.
Ratna Tasneem
- 20,000 crystal structure present in fetal protein.
Shagun Khan
- Heart cell interactions - Niche for Cardiac conduction & autonomic nervous system.
Shaista Muskan

Semester - V

Lecture of Mapping the Human Body 'cell by cell' by Sarah Amala Teichmann is a very wonderful experience by me. This lecture gives me a very thoughtful description about organs of human body.

→ Shama Parveen.

- This session is very wonderful to know about science related topics. It is very helpful for me to understanding the disease about disease like covid 19, cancer etc.

→ Shahiba Parveen.

- This session is very knowledge for us me. It describe about gene and in different organ and they How they work.

- The session is very knowledgeable Sabia Suraiya for all the science student. ~~It is for~~

The lecture is based on the mapping molecule to cell by Sarah Teichmann

— Zahira Khan

Semester - III

- The lecture of Mapping the Human Body "cell by cell" by an amazing speaker Sarah Amala Teichmann was very knowledgeable & amazing experience.

→ Ayesha Azmi

Semester - III

The session is very wonderful to know about heart cell interactions, cell communication, Pacemaker cells etc. The lecture about Human body "cell by cell" is amazing speaker by Sarah Amala Teichmann was very knowledgeable & Amazing Experience

→ Shaheida Tabassum

