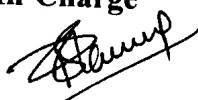


School of Chemical Sciences Goa University

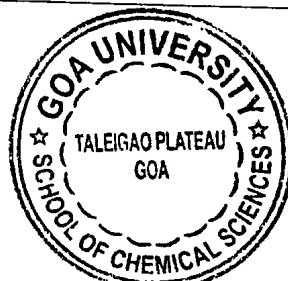
REPORT on a talk on 'Development of Artificial Ion Transporters as Therapeutic Agents to Combat Cancer' by Prof. Pinaki Talukdar, FRSC

Activity	A talk on 'Development of Artificial Ion Transporters as Therapeutic Agents to Combat Cancer' by Prof. Pinaki Talukdar, FRSC
Date and time	06/11/2023 at 2.30 pm
Faculty attended	20
Students attended	30
Participants	50
The objective/description of the activity	<p>Objective: To introduce the students to the field of designing and development of artificial ion transporters as therapeutic agents to combat cancer.</p> <p>An email informing all the students and teaching staff about the talk at the lecture hall -1 of SCS building of Goa University was sent. Dr. Bidhan Shinkre, Vice Dean (Research), SCS, welcomed the audience and introduced the speaker. Prof. Pinaki Talukdar, FRSC, Rahul Bajaj Chair Professor and Dean of Faculty, IISER Pune is working on developing novel therapeutic agents based on natural biological cellular processes.</p> <p>He presented his work on development of various synthetic ion carriers and channels that are capable of transporting Cl^- or MCl ($\text{M}^+ = \text{Na}^+$ and K^+) or HCl selectively. These synthetic ion transport systems have been used to target cancer cells by altering their ion balance which leads to either cellular apoptosis or, the inhibition of autophagy, or both. He also mentioned about various protransporter molecules that respond to specific stimuli like light, glutathione, enzymes, pH, etc. and disturb the ionic homeostasis of cancer cells, leading to their demise.</p> <p>The talk was followed by interactive session with active participation from students and faculty members. The seminar concluded with Q&A session where students clarified their doubts and with a vote of thanks from Dr. Bidhan Shinkre.</p>
Benefit/Key outcome of the event	The event successfully enlightened the MSc students towards various approaches in drug designing and also imbibed the idea of how natural processes can be mimicked to get to new leads as therapeutic agents. These inventive methods have created fresh opportunities for developing strategies to treat cancer.

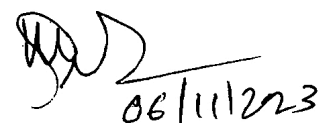
Faculty In-Charge



1



Dean, SCS



06/11/2023



School Chemical Science Events <scsevents@unigoa.ac.in>

Talk by Prof. Pinaki Talukdar, IISER Pune on 6th November 2023 at 2.30 pm in LH-1

1 message

School Chemical Science Events <scsevents@unigoa.ac.in> Mon, Nov 6, 2023 at 2:19 PM
To: chemistry <chemistry@unigoa.ac.in>, "Chemistry Ph.D Group" <phdchemistry@unigoa.ac.in>
Cc: Dean School of Chemical Sciences <dean.scs@unigoa.ac.in>, PD Chemistry <pdchemscs@unigoa.ac.in>, PD Biochemistry <pdbiochemscs@unigoa.ac.in>, "Vice-Dean (Academic) SCS" <vdeanacascscs@unigoa.ac.in>, "Vice-Dean (Research) SCS" <vdeanresscs@unigoa.ac.in>

Dear All!!

School of Chemical Sciences (SCS), Goa University
is organizing a talk on the topic

"Development of Artificial Ion Transporters as Therapeutic Agents to Combat Cancer"

by

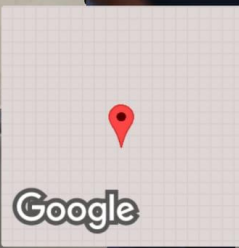
Prof. Pinaki Talukdar, FRSC

Rahul Bajaj Chair Professor and Dean of Faculty
IISER Pune

on

6th November 2023**at 2.30 pm****Venue: LH-1, SCS Building, Goa University**

All are requested to attend the same.



Panaji, Goa, India
FR5H+M64, Panaji, Goa 403206, India
Lat 15.458949°
Long 73.827712°
06/11/23 02:39 PM GMT +05:30



Panaji, Goa, India
FR5H+M64, Panaji, Goa 403206, India
Lat 15.458949°
Long 73.827712°
06/11/23 02:39 PM GMT +05:30

Date: 6/11/2023.

Time: 2.30pm.

Title: Development of Artificial Ion Transporters as Therapeutic Agents to combat Cancer.

Speaker: Prof. Pinaki Panigrahy, IISER Pune.

Venue: LH-1, SCB, GU.















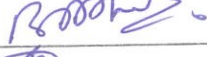


Sl. No.	Name	Signature
1.	Praachi Toomy	
2.	S. NDHURI	
3.	Bidhan A. Thorke	
4.	V. M. S. Virenkar	
5.	S. V. Bhusale	
6.	HARI K. KADAM	
7.	Amila Khairangali	
8.	Rupesh Padre	
9.	Prayesh Vorvoren	
10.	Pranay Masejkar	
11.	Apetsha H. Patil	
12.	Vanita Kunkalkar	
13.	Sonali Guontkar	
14.	Ms. Madhuri Gaikwad	
15.	Ms. Gayatri Kothkar	
16.	Shefali Ankur	
17.	Namrata Kumari	
18.	Ms. Geeta Anant Salmi	
19.	Saurav Sattarke	
20.	Ratan Tadhar	
21.	Dinesh Nadimetta	
22.	Vignesh R Naidu	
23.	Jamata Jhetgaonkar	
24.	Nabha Chavathe	
25.	Sanjali Navelkar	
26.	Manasi Ugvekar	

Sr. No.	Name	Signature
27	Asmita S Naik Gaonkar	<u>Asmita</u>
28	Kathleen C. Pinto	KPinto
29	Jeffrey L. Viegas	<u>Jeffrey</u>
30	Nitya Venji	<u>Nitya</u>
31	Pritesh P. Khobrekar	<u>Pritesh</u>
32	Deepika Karmalkar	<u>Deepika</u>
33	Dinesh Nadimella	<u>Dinesh</u>
34	Leo D'Souza	<u>Leo</u>

Name of the Speaker :-

Puneeki Talukdar.

Date :- 06/11/2023

- 1) Madhuri Gaikwad. 
- 2) Ms. Gayatri Kulkarni Research Scholar. 
3. Sonali S. Georkar. Research Scholar. 
4. Vanita S. Kulkalkar. 
5. Digambar A. Porab. 
6. Dr. Keddes U. Manabkar. 
7. Dr. Kiran Shanskar. 
8. Savita A. Kundarikar. 
9. Samidha Navrekar. 
10. SAMANTHA DA COSTA. 
11. Disha F. Gauns. 
12. Mangala U. Sawal. 
13. Kuate N. JOCELYN. 
14. Nitesh Venji. 
15. Pritesh Khabrekar. 
16. Bishan A. Sherkar. 
17. Praeli Jomy. 
18. Amila Kharangali. 
19. Anjani P. Nagvenkar. 