

Report

Educational Visit

(Attending Seminar in Dept. of Biochemistry

Ballygunge Science College)

19 July 2023



A visit to Dept. of Biochemistry, Ballygunge Science College was organized for Sem II students. The program was organized on 19 July 2023, Wednesday. A total of sixteen students and four faculty members were present.

Summary of the Programme:

The event was organized by Dept. of Biochemistry, Ballygunge Science College, Calcutta University; to commemorate birth anniversary of Lt. Prof. J.J. Ghosh. It was arranged under the aegis of Prof. J.J. Ghosh Foundation, and entitled as “Prof. J.J. Ghosh Memorial Lecture”.

Eminent Scientist of IICB, Kolkata - Prof. Samit Adhya presented a magnificent lecture on his research topic - Mitochondrial DNA Replication, and the Session was chaired by Dr. Kunal Ray, Scientist, IICB. The lecture was entitled “DNA Replication in OX PHOS deficient mitochondria: AMPK-induced targeting of replication factor mRNA”.

Prof. Adhya started the session with the teachings of Lt. Prof. J.J. Ghosh- explaining the chemiosmotic hypothesis of Peter Mitchell, and coupling of OX PHOS to respiratory electron transport, with an analogy of pulley in a conveyer belt. Later, the talk extended with referring to mitochondrial tRNA mutation diseases as encephalopathy, myopathy, endocrine dysfunction diabetes, etc. Moreover, mitochondrial membrane transfer of tRNA, endogenous and exogenous RNAs, clonal expression of mt DNA and oligomycin inhibitor of F_1F_0 ATP synthase were explained. The speech concluded with a vote of thanks. All participants were given certificates.

Some Glimpse of the Event:

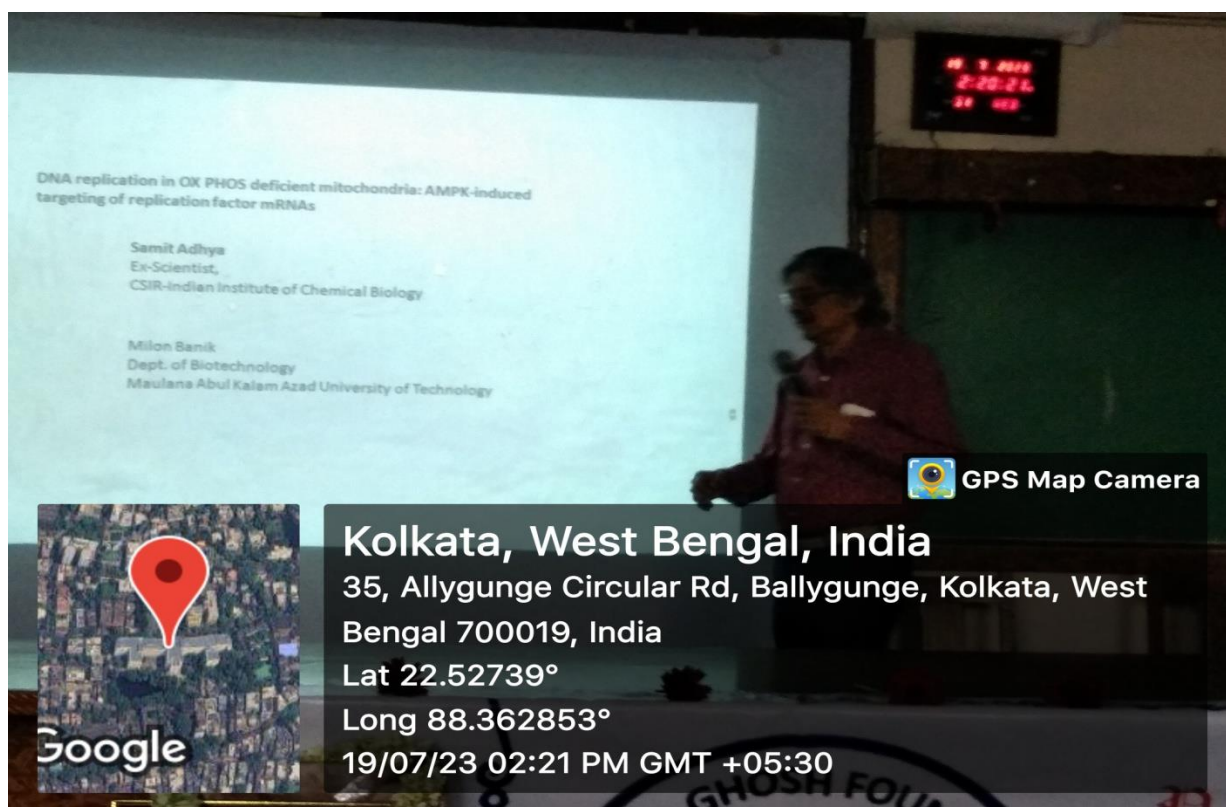


ASUTOSH COLLEGE
(Estd. 1916)
92, S.P. Mukherjee Road
Kolkata – 700026



Phone: 2455-4504/2486-3912
Fax : (033) 2486-3006
Mail : mail@asutoshcollege.in
Web : www.asutoshcollege.in







The JJ Ghosh analogy
Mitchell's Chemi-osmotic Coupling of OX PHOS to respiratory electron transport

GPS Map Camera

Kolkata, West Bengal, India
35, Allygunge Circular Rd, Ballygunge, Kolkata, West Bengal 700019, India
Lat 22.527482°
Long 88.362932°
19/07/23 02:25 PM GMT +05:30

