



CDLTR-University of Hyderabad offering online course on Advanced Malariaology: Biology of Parasitism and Drug Resistance

Department of Biochemistry, School of Life Sciences,
University of Hyderabad, INDIA.

Learning outcome:

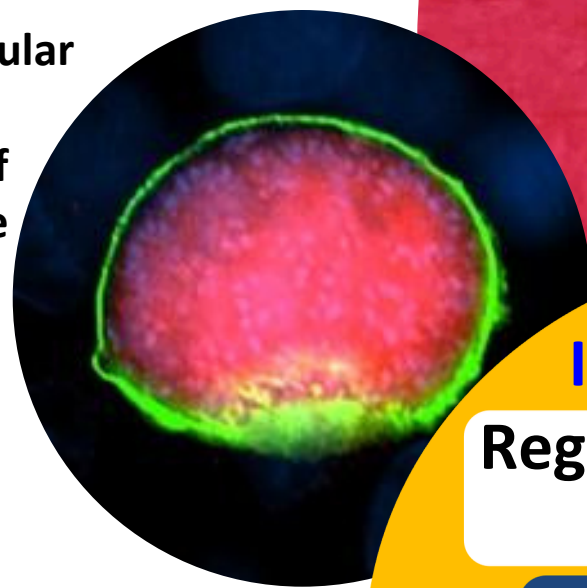
- The concept of parasitism and some of the key physiological processes that help in the establishment and maintenance of chronicity of infection will be discussed in the dynamic context of human host, parasite and mosquito vector.
- Additionally, molecular insights into the drug-resistance mechanisms will be discussed.
- Recent technological advancements for studying molecular parasitology will be an integral part of this course.
- Detail understanding on the strength and limitation of each technique will be beneficial to the students while designing their experimental strategies.

Topics covered:

- How does malaria parasite invade the host?
- How does the parasite decide between the asexual and the sexual mode of reproductions?
- How does the parasite adapt to the changing host-environments?
- How does the parasite acquire nutrients from the host?
- How does the parasite live on the face of the host immune system?
- How does the parasite maintain and repair its genome content?
- How does the parasite regulate the expression of its genome?
- How does the parasite cope up with drug challenges?
- Tools and techniques for malaria research.
- Experimental models for cerebral malaria

Course instructors:

Prof. Mrinal Kanti Bhattacharyya (UoH-Hyderabad)
Prof. Sunanda Bhattacharyya (UoH-Hyderabad)
Prof. P. Prakash Babu (UoH- Hyderabad, Currently: VC, PU)
Prof. Kota Arun Kumar (UoH-Hyderabad)
Prof. Shobhona Sharma (TIFR-Mumbai)
Prof. Suman Kumar Dhar (JNU-New Delhi. Currently: VC, TERI)
Prof. Kalyaneswar Mandal (TIFR-Hyderabad)
Dr. Puran Singh Sijwali (CSIR-CCMB-Hyderabad)
Dr. S. Dhanasekaran (CSIR-NCL- Pune)
Dr. Krishanpal Karmodiya (IISER-Pune)
Dr. Souvik Bhattacharjee (JNU-New Delhi)



Important dates:

Registration Last Date :
05th July, 2026

Course Start date:
15th July, 2026

Course End date:
30th November, 2026

Course Code : BC625(Credits - 2)

- The Course can be used for Credit Transfer

Who should attend:

Masters and PhD students, Post Doctoral Researchers, Technicians and New Investigators who would like to venture into the area of malaria research.

For any further queries contact: mkbsl@uohyd.ac.in

Course fees:

- Access to all 24 lectures: Rs. 1000/-
- Access and course completion certificate: Rs. 2,500/-
- There will be internal and end-semester evaluation if opted for certificate
- Currently this course is open to students studying in India

Registration link:

<https://bit.ly/3RFQ2HL>

Note : Selected and shortlisted candidates will be informed by - 10th July, 2026.

Course coordinator:

Prof. Mrinal Kanti Bhattacharyya, Department of Biochemistry, School of Life Sciences, University of Hyderabad, India