

Patna Science



College



Patna University

Major Highlights

1. Bioinformatics (One week)

Types of databases
Sequence alignment
Modeling of proteins
Phylogenetic tree

2. Physiology (One week)

WBC and RBC counting
Blood pressure, ABO blood groups,
Haemin Crystals

3. Biochemistry (One week)

Effect of Temp on Salivary Amylase
Estimation of total proteins
Paper Chromatography of amino-acids

4. Molecular Biology (One week)

Agarose Gel Electrophoresis
SDS PAGE or Plasmid isolation

5. Fish Biology (One week)

Species identification techniques
Aquarium making for Zebra Fish

Summer Internship Program Jun 2024

About the program: The Zoology Department of Patna Science College is offering an Internship program commencing this summer from 3rd June 2024 to 5th July 2024. We are offering hands on learning experience in five areas major areas involving 5 national level mentors. Students can choose any area they like. Choosing more than one area is fine as well since these will not be overlapping at any stage. Each will have a separate fee and no. of seats.

Major Areas

Bioinformatics, Physiology, Molecular Biology, Biochemistry and Fish Biology.

Resource persons Trained from USA, Canada, Singapore, J.N.U., B.H.U., and ICGEB.

Available Seats

14 seats are available per area. We will close registrations as soon as seats are filled. First come, first served basis. You will need a personal laptop with internet connection for Bioinformatics course. Rest will be provided by the Zoology Department during the training program. Shared accommodation will be provided by college to the participants if required.

Duration: 3rd June to 5th July 2024, 5 days a week for 5 weeks. Starting June 1st 2024.

Venue: Zoology Department (UG), Patna Science College, Patna University, Patna 800005.

Last date of application: 30th May 2024, **Fee:** 5000/- per course

Convener: *Dr. Babita Sharma* under guidance of *Prof. S. M. Hassan* (Head Zoology) and *Prof D. N. Thakur* (Principal, Patna Science College). **Contact email:** babita2005@gmail.com

Apply here: <https://docs.google.com/forms/d/e/1FAIpQLSfyrnQLOfcTWaixdp3P-PUsc5-M9bB4fR6xYMcJe9qBUV7Fw/viewform?vc=0&c=0&w=1&flr=0>