

INSTITUTE OF LIFE SCIENCES
(An Autonomous Institute under the Dept. of Biotechnology,
Ministry of Science & Technology, Govt. of India)
Nalco Square, Bhubaneswar 751023, India

Advt. No.: 10/2020

Date: 17.11.2020

Institute of Life Sciences (ILS), Bhubaneswar, an autonomous Institute of the Department of Biotechnology, Ministry of Science & Technology, Government of India engaged in advanced research invites applications from Indian nationals for **Ph.D. programs.**

The name of the faculties who are interested in taking students through regular Ph.D. program of ILS are listed below with their research interest/project. **The applicants are strongly encouraged to visit ILS webpage for detailed information regarding the research activities of the respective faculties.**

Category I (Life Sciences)

Name of the Faculty	Area of Interest
Dr. Anshuman Dixit	Understanding protein-protein interactions and their modulation in cancer
Dr. Santosh Chauhan	Cell biology of cancer and infectious diseases
Dr. Arun Nagaraj	Plasmodium Biology & Vector-Parasite Interactions
Dr. Gulam Hussain Syed	Molecular Mechanisms underlying Dengue disease pathogenesis
Dr. P.V. Ramchander	Identification and characterization of genes/mutations in human genetic disorders (Human/Medical Genetics)
Dr. Tushar Kant Beuria	Understanding bacterial cell division and target it for development of novel antibacterial agents
Dr. Shantibhusan Senapati	Immunomodulators for cancer therapy
Dr. Rupesh Dash	Understanding the molecular mechanism of therapy resistance in Oral Cancer
Dr. Soumen Chakraborty	Role of RNA binding proteins and transcription factors in leukemia
Dr. Rajeeb Swain	Understanding the development and function of kidney using zebrafish as a model
Dr. Sandip K. Mishra	Defining the network of Estrogen related receptor (ERR) beta in Tamoxifen sensitive and Tamoxifen resistant Breast Cancer
Dr. N Dey	Shuffling of endogenous promoter sequences using CRISPR-Cas9
Dr. Narottam Acharya	Screening of genetically modified <i>Candida albicans</i> strains for antifungal vaccine development
Dr. Amol Suryawanshi	Clinical proteomics for understanding diseases and biology

Essential Qualification:

1. Candidates should have passed their M.Sc./ M.Tech./ M.Pharm./ M.V.Sc. or equivalent qualification in life sciences and allied subjects (Biochemistry/ Biotechnology/ Bioinformatics/ Biophysics/ Chemistry/ Microbiology, etc.) with minimum of 60% marks (or equivalent grade point). Candidates awaiting final results may also apply, however, if shortlisted, they have to produce their final mark sheet on the date of the interview, failing which they will not be interviewed.
2. Candidates should have also qualified in CSIR/UGC-JRF or DBT-JRF or UGC-RGNF or ICMR-JRF or DST-INSPIRE or GATE or GPAT. If the original certificate is not available, the candidate has to provide a photocopy of the original admit card and the particular result page highlighting their roll number, along with the application. Candidates having valid fellowship will be preferred.
3. The candidate should be below 28 years in age, as on 31st December, 2020. An age relaxation of five years in the case of SC/ST/women/PH candidates and three years in the case of OBC candidates will be given (as per Govt. of India rules).

Contd. in next page.....

Category II (Bioinformatics)

Name of the Faculty	Area of Interest
Dr. Anshuman Dixit	Identification of RNA signatures for early diagnosis of oral cancer using OMICS based approaches
Dr. Amaresh Ch. Panda	Exploring coding circular RNAs: from waste to treasure

Essential Qualification:

1. Candidates should have passed their M.Sc. / M.Tech. / M.Pharm. / M.V.Sc. or equivalent qualification with minimum of 60% marks (or equivalent grade point). Candidates awaiting final results may also apply. However, if shortlisted, they have to produce their final mark sheet on the date of the interview, failing which they will not be interviewed.
2. Candidates should have also qualified in CSIR/UGC-JRF/CSIR/UGC- lectureship/UGC-RGNF/ICMR-JRF/DBT-JRF/GATE/GPAT/ICAR-NET or equivalent national examination. If the original certificate is not available, the candidate has to provide a photocopy of the original admit card and the particular result page highlighting their roll number, along with the application. Candidates with knowledge of programming such as Perl, Python, R, etc. or prior bioinformatics work experience and/or high-throughput sequencing data analysis experience would be preferred. Candidates should submit one page write up explaining their bioinformatics research experience.
3. The candidate should be below 28 years in age, as on 31st December, 2020. An age relaxation of five years in the case of SC/ST/women/PH candidates and three years in the case of OBC candidates will be given (as per Govt. of India rules).

Application Fees:

Applicants except SC/ST/ physically handicapped are required to pay a **non-refundable amount of Rs. 500/-**. The bank details: Beneficiary name: Director, Institute of Life Sciences, Bhubaneswar, Account No: 450502010006285, Bank: Union Bank of India, Chandrasekharpur, Bhubaneswar; IFS Code: UBIN0545058

Fellowship:

The fellowship and other emoluments will be as per the guidelines of the funding agencies - SERB/DST/DBT/CSIR/ICMR and as revised from time to time.

To and fro bus/rail fare by the shortest route limited to sleeper class will be paid to all the candidates appearing for the interview.

Interested and eligible candidates may fill-up the prescribed application form as available in ILS website (www.ils.res.in). Duly filled-up application form along with self-attested scanned copies of all relevant certificates and copy of proof of payment should be send to the academic@ils.res.in **as one pdf document on or before 31.12.2020 (05.00 PM)**. **There should be one attachment per applicant.** Applications received after the last date will not be accepted. The application should be sent with the subject “**Application for Ph.D. Program**” stating category **I or II for which applicant is applying for.**

List of candidates selected for the interview will be published in the Institute website (www.ils.res.in).

Application to ILS-Ph.D. program does not automatically guarantee that a candidate will be shortlisted for interview. Director, ILS reserves the right to withdraw the procedure without assigning any reasons thereof.

Important dates:

- Last date of receiving applications: **31st December, 2020.**
- Date of display of short-listed candidates and instructions in the Institute website: **10th January, 2021.**
- Tentative date of interview: **2nd week of February, 2021.** The final date of interview will be confirmed when the list of short-listed candidates is displayed in ILS website.

Administrative Officer