



**DEPARTMENT OF BIOPHYSICS**  
**PANJAB UNIVERSITY, CHANDIGARH 160014 (INDIA)**

**Applications are invited for KARYASHALA HIGH END WORKSHOP-2023**

**Duration: 7 days (09-15 Oct 2023)**

**Location: Department of Biophysics, BMS block II,  
Panjab University, Chandigarh, India 160014**

**Title: “KARYASHALA ON- Biology meets nanotechnology: a fruitful amalgamation for research advancement’.”**

**Scope of “Kayashala scheme”:**

‘KARYASHALA’ is an effort to improve research productivity of promising PG and PhD students from universities and colleges through high-end workshops on specific themes. This program aims to provide opportunities to acquire specialized research skills. These workshops will primarily be facilitated at organizations / institutions / laboratories of national importance such as IITs, IISc, IISERs, NITs, CSIR, ICAR, ICMR etc.

**Department of Biophysics, Panjab University:**

The Department of Biophysics at Panjab University was established in the year 1964 with a vision to strengthen the field of Basic Medical Science of Panjab University. It originated with Electro-Physiology, Radiation Biophysics and Electron Microscopy. Apart from the traditional areas in Biophysics such as Cell and Molecular Biophysics, Radiation Biophysics, Membrane Biophysics and Neuro-Biophysics, the Department had put in efforts in recent times to move into new emerging areas such as Molecular Modelling, Bioinformatics, Molecular Imaging, Translational research in Cancer, Molecular Medicine Nano-biophysics, Structural Biology and Nuclear Medicine. Advances in these areas have paved a way for the designing and development of drugs and medical technologies for the welfare of mankind.

**Programme Objective:**

- To impart participants with knowledge on growing applicability of nanotechnology in various fields of life sciences research
- To equip participants with hands-on training on techniques of nanotechnology
- To equip participants with hands-on training on various other molecular biology tools and techniques
- Facilitating visit to research institutions in the tricity: NABI/ IMTECH/INST/CSIO/ CIL-SAIF PU

**Who can Apply?**

**Final Year PG students having first class in Physics/ Biology/ Chemistry/ Applied Science and/or Ph.D. students (First year) with strong orientation towards basic and translational research.**

**Selection Process:**

**The selection of the candidates will be done by program selection committee and the decision of the committee will be final.**

**The number of seats in the training programs are limited (25).**

**Note: Only selected candidates shall be intimated through email.**

**How to Apply?**

**Step 1: The candidate shall apply for the program by filling the attached form in the prescribed format.**

**Step 2: Take the printout of the form and affix a photograph at the mentioned space.**

**Step 3: The application should be accompanied by NOC from the department or attested by a “A class gazetted officer”**

**Step 4: Email the scanned copy of the application form to “[karyashalabiophysicspu@gmail.com](mailto:karyashalabiophysicspu@gmail.com)” with supportive documents on or before 09.08.23.**

**Nature of support**

- The attendees will be provided necessary expenses such as stationery, consumables, accommodation, food, etc.
- The period of the program shall be for 7 days.
- The participating students will also be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per GoI norms.

**Terms and condition:**

- *Attendees not completing the full workshop will not be issued any certificate.*
- *The attendees should abide by the rules and regulations of the institution and laboratory protocols.*
- *The Karyashala period shall not be extending beyond 2 weeks.*

**Details of Workshop**

- *Duration: 7 days*
- *Venue: Department of Biophysics, Panjab University, Chandigarh*
- *Number of attendees: 25*
- *Registration Deadline: 09/08/2023*
- *Only shortlisted student shall be communicated through email.*
- *Accommodation, food etc. and TA reimbursement for their journey to Panjab University from their hometown / home institute, both ways, as per GOI or Panjab University norms will be provided.*
- *Certificate will be provided to the attendees after the successful completion of the workshop.*

**Program Coordinator:**

**Dr. Ravi Pratap Barnwal**

Department of Biophysics,  
Panjab University, Chandigarh (160014)

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Email: [barnwal@pu.ac.in](mailto:barnwal@pu.ac.in)

**Program Co-coordinator:**

**Dr. Gurpal Singh**

University Institute of Pharmaceutical Sciences,  
Panjab University, Chandigarh (160014)

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## Application form for “KARYASHALA ON- Biology meets nanotechnology: a fruitful amalgamation for research advancement’.”

Name of the event: “Biology meets nanotechnology: a fruitful amalgamation for research advancement’.”

Duration of Course: 7 days

Department Applied for: **DEPARTMENT OF BIOPHYSICS, PANJAB UNIVERSITY**

Event Organizer: **Dr. RAVI PRATAP BARNWAL**

*Affix passport size photograph here*

<b>Name</b>	
<b>Designation (Student/ Ph.D. Scholar)</b>	
<b>College/University/Institute</b>	
<b>Date of enrolment in M.Sc. / Ph.D.</b>	
<b>Category (General/SC/ST/Others)</b>	
<b>Date of Birth</b>	
<b>Sex(M/F)</b>	
<b>Address for Correspondence</b>	
<b>Permanent Address</b>	
<b>Contact Details (Mobile and Email)</b>	

### Educational details

S.No.	Examination/ Degree	Name of the University/Institute	Year of passing	Subjects	Division	% of marks obtained

If you have done dissertation in masters, mention the following:

<b>Title of dissertation</b>	
<b>University/Institute</b>	
<b>Name of Supervisor(s)</b>	

If pursuing Ph.D., mention the following:

<b>Title of dissertation</b>	
<b>University/Institute</b>	
<b>Name of Supervisor(s)</b>	
<b>Area of specialization</b>	

**Trainings Attended**

S.No.	Year	Name of training programme	University/Institute	Duration

**Research experience (if applicable)**


**Research output (Papers/books/book chapters) published or accepted; patents filed/obtained**


**Briefly describe how learning the techniques through this Karyashala will help you in your career ahead (100 words max)**

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**Briefly describe your research interests in this field and what way are you planning to contribute significantly to the field of science and technology through your career**

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**Please mention of the outstanding achievements you have made in your field, if any**

**Accommodation Requirement (Yes/No)**

**Signature of candidate**

**Recommendation of the HOD**

Note: Kindly attach a NOC from the HOD for attending the training program