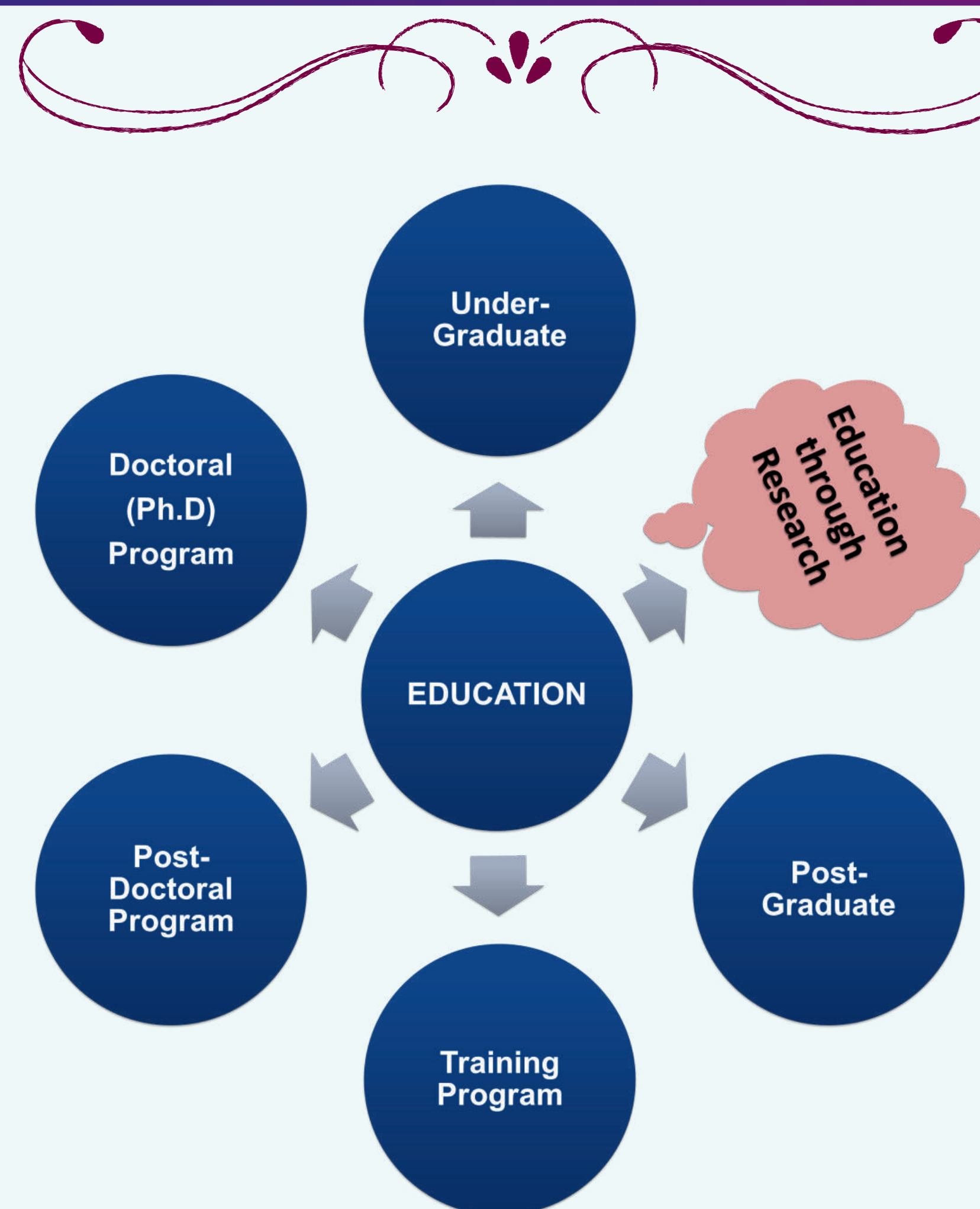


IAR, The University for Innovation

IAR is a private University established under the "Gujarat Private Universities Amendment Act 2011" with an aim to create Excellence in Research and Education. It is located on the banks of River Sabarmati, Gujarat, Land of Mahatma Gandhi. The University has been set up by "The Puri Foundation for Education in India" a Registered Charitable Trust

Education Program at UIAR



Application Procedure

Interested candidate/s may send their application by filling the application form (Google Form: <https://forms.gle/jiDbUzYmTtEAKs1248>) along with registration Fee-Rs. 750/- (QR code) by 18th April 2024

Organizer

Dr. Anand K. Tiwari, Professor
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Phone: +91-79-30514250 (Lab);
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Co-organizer

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Organizing Committee

- Dr. Reena A Rajput, Head, DBBE
- Dr. Narendra Kumar, DBBE
- Dr. Neeru Singh, DBBE
- Dr. Abhishek Sharma, DBBE
- Dr. Shuvomoy Banerjee, DBBE
- Dr. Juni Banerjee
- Dr Shubhita Tripathi

Volunteers

Swapnil Ombale, Kavya Pandya, Mansi Bhatt,
Halak Shukla, Ayesha Pathan, Dewang Limaye



Institute of Advanced Research

The University for Innovation

Two days Teachers' Training Program (TTP)

&
Hands on Workshop
on

"Genetics, Cell & Developmental Biology Techniques"

24th-25th April 2024

About the Program

TTP at DBBE, IAR is aimed to provide hands on experience to the Teachers and Lecturers about the experiments in Genetics, Developmental & Cell Biology that can be easily demonstrated/performed during classroom teaching



Who can Participate

Teachers/Lecturers from Schools & Colleges

Note

- Only 15 participants will be selected on first come-first serve basis. Participants will have to arrange their own accommodation and travel expenses.
- No TA/DA will be provided to the participants

Registration



Program Schedule

24th April, 2024 (Wednesday)

8:30 AM-09:00 AM	:	Registration front desk, Academic Block-1
09:00 AM-09:10AM	:	Welcome, Director IAR
09:10AM- 09:30AM	:	Address by President, ISCB, on importance of research led education at school and college level: Preparedness required for teachers
09:30AM-09:40AM	:	About the Program, Prof. Anand K. Tiwari
09:40AM-10:00AM	:	Tea
10:00AM-11:00AM	:	Lecture 1- Prof. Surendra Ghaskadbi Title: Cell signaling molecules in hydra: insights into evolutionarily ancient functions of signalling pathways
11:00AM-01:00PM	:	Lab Session 1 (on Hydra) <ul style="list-style-type: none">• Demonstration of Hydra• Demonstration of dissection of Hydra
01:00PM-02:00PM	:	Lunch
02:00PM-04:30PM	:	Lab Session 2 <ul style="list-style-type: none">• Demonstration of Drosophila mutants• Identification of sexes in flies• Discussion about metamorphosis• Demonstration of behavioural assays in fruit fly• Southern Hybridization• X-gal staining (β-gal expression)• Demonstration of Protoplast isolation
04:30PM- 05:00PM	:	General Discussion

25th April, 2024 (Thursday)

9:30AM-11:00AM	:	Lecture 2- Dr. Jagat Kumar Roy Title: Drosophila as an alternate animal model for Education and Research
11:00AM-11:45AM	:	Lecture 3: Prof. Anand K. Tiwari Title: Basic & Advances in Microscopy
11:45AM-12:00PM	:	Tea
12:00PM-01:00PM	:	Lab Session 3 (on Hydra Regeneration)
01:00PM-02:00PM	:	Lunch
02:00PM-04:15PM	:	Lab Session 4 (on Drosophila) <ul style="list-style-type: none">• Demonstration of Polytene chromosome in Drosophila• Demonstration of Cell death in Drosophila tissue
04:15PM-04:45PM	:	General Discussion
04:45PM-05:00PM	:	Valedictory Program
05:00PM-05:15PM	:	High Tea

Resource Person



Prof. Jagat Kumar Roy, Prof. Surendra Ghaskadbi Prof. Budhi S. Tiwari, Prof. Anand K. Tiwari,
Banaras Hindu University, Varanasi FNAsc, Former Scientist G & former CSIR Emeritus, Scientist, Honorary Advisor, Developmental Biology Group, Agharkar Research Institute, Pune Institute of Advanced Research, Gandhinagar Institute of Advanced Research, Gandhinagar

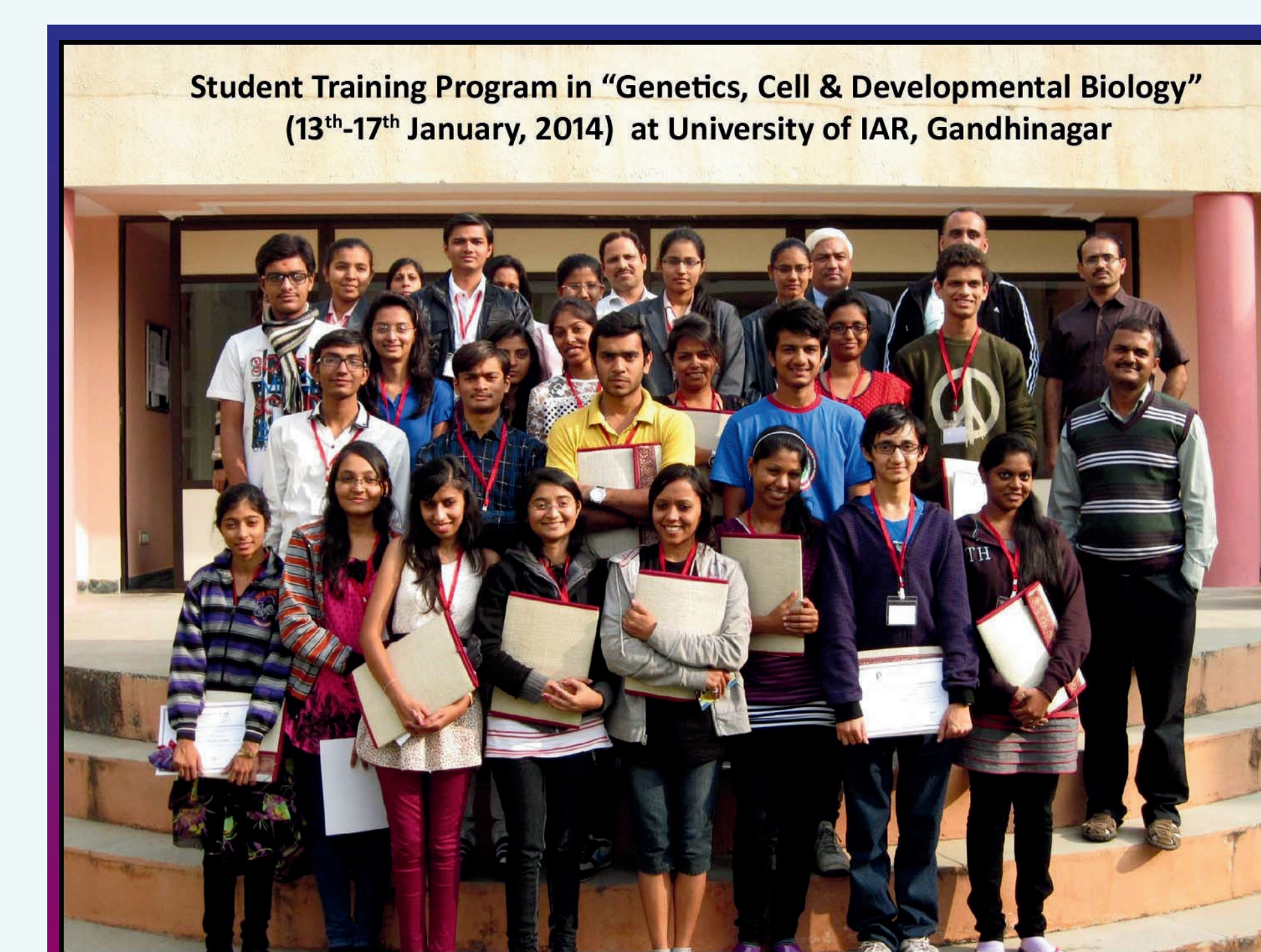


Supported By

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Past activities



Vision

To be a unique academic leader in developing brilliant scholars & scientists, outstanding professionals and responsible citizens.