EXPERIMENTAL PHARMACOLOGY LABORATORY
Research Block : B, Sector -12, PGIMER, Chandigarh - 160012

Course Introduction

4th Advanced Training Program in Experimental Behavioral Neurosciences (4th NBRL-ATP-EBN)
Experimental Pharmacology Laboratory (EPL), Department of Pharmacology, PGIMER, Chandigarh

Date: November 29-December 1, 2019

Course code: NBRL. 11.19
Course Name: Advanced Training Program in Behavioral Neurosciences
Level: Postgraduate/PhD
Grading scale: F/P
Main field of study: BehavioralNeuroscience and Pharmacology
Organizing institute: Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh.
Chairperson: Prof. Bikash Medhi
Organizing Secretary: Dr. Ajay Prakash
Co-Organizing Secretary: Dr. Pramod Avti and Dr. Rupa Joshi
Coordinator: Nitika Garg/ Manisha Prajapat

Objective: Inside the lecture rooms and around the fascinating atmosphere of the PGIMER, the world's leading investigators will discuss upcoming scientific challenges in behavioral neuroscience with a small, highly selected number of participants in a unique setting.

The aim of this training program is to offer an advance knowledge base in field of behavioral neuroscience including both basic and non-clinical studies. For five intense days, you will learn from faculty that are undisputed leaders in behavioral neuroscience field: the result will be a profound experience that fosters your professional and personal development. During this training program, the students will learn about what comprises the field of behaviour neuroscience as well as deeper theoretical knowledge in the specific research.

In a proven, unique format, you will be exposed to a high-impact hands-on-training on neurobehavioral experiments on rodents (Morris water test, Three chamber sociability test, elevated plus maze test, negative geotaxis etc.) and neurobehavioral analysis software, Ethovision XT 11.5. It may take you outside from the comfort zone of your own technical expertise that will empower you with new analytical and strategic skills across areas of behavioral neuroscience.

Oncompletion of the course, the student should be able to account for and critically evaluatedifferent experimental techniques and methods that are utilised within the field of behaviour neuroscience, with regardto the theoretical basis as well as practical applications. Assessment ability and attitudes on completion of the training, the student should demonstratea critical and scientific approach, familiarity

with safety routines in the laboratory andbe able to account for current principles of documentation of experiments and results.

Other than this, the historic locations provide the perfect setting to a relaxed yet intense learning atmosphere, with the stunning backdrop of the Chandigarh landscapes. Traditional Panjabi foods will make each course the experience of a lifetime.

Research Facilities: To support student training program on behavioral neuroscience, research facilities include a variety of experiments designed for research with animal models of Autism spectrum Disorder (ASD), Alzheimer disease (AD), stroke, epilepsy and TBI. We use Ethovision XT 11.5; video-based equipment for tracking behavioral response, to analyse behavioral parameter, like sociosexual behaviours, sociability, learning and memory, and neuropharmacological effects. Major equipments available in NBRL are:

- Three chamber sociability test
- Activity chamber
- Radial Arm Maze
- Large Open Field Square Arenas
- Grip Strength Meter
- Open Field Chamber
- Rota-Rod
- Operant chamber
- O-Maze
- Water Maze pool
- Y-Maze
- Barrens hole board

The principle objective of the program is to provide exposure to research methodology and to inculcate a research environment to bright students in area of behavioral neuroscience.

Please read NBRL training program brochure carefully to apply for this training program.

Brochure

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1. Entry requirement:

Applications are invited for the Advance Training Program in Behavioral Neuroscience 2017, at NBRL, PGIMER, Chandigarh (INDIA). Students pursuing of their MSc/M.Tech/M.Pharm/MBBS/MD/PhD program or interested in behavioral neuroscience, will be able to spend maximum one week at PGIMER, Chandigarh throughout the year, in order to work on neurobehavioral research with NBRL researchers.

2. Content:

The training program has three components:

Research-oriented theory courses, 15hrs

During this classroom exposure the student will gain theoretical knowledge on neurobehavioral experiments in consultation with NBRL researchers.

Experimental project work in behavioral neuroscience, 8hrs

Part 2 consists of an individual 3 days training work under supervision of NBRL researchers. The coursepart can also include participation in group discussion and viva during training.

Evaluation, 6 hrs

This will involve a presentation or viva which is to be delivered in NBRL classrooms. The course is scheduled for classroom and practical work in initial days and last day a viva or presentation in front of one internal and one external evaluator.

All students who successfully complete the training program will receive a certificate from NBRL, PGIMER, Chandigarh.

3. Teaching methods

The course is an advanced course where the student is assumed be well familiar with the revalentstudy routines of university education. The pedagogical platform of the training is based on learning as an active research process. The teaching is given in the form of expert lectures, group assignments, student presentation and experimental work or essay-writing under supervision. Critical studies of scientificarticles are also included. Compulsory attendance: Group assignments, presentation, and practical work (laboratory sessions or essay writing) are compulsory.

4. Duration:

The participants can apply any time throughout the year for this training program. Selected students are advised to contact to NBRL, PGIMER and fix up a starting date. The training program will be conducted for 3days.

5. Accommodation and food:

No TA/DA will be paid to the participants and the participants have to arrange accommodation and food on their own.

6. Other directives

Language of instruction: English. Course evaluation will be carried out in accordance with the guidelines established by the NBRL, PGIMER.

The application form can be downloaded from PGIMER website or can be obtained upon a request to neurobehavior.pgimer@gmail.com

7. Literature and other teaching aids:

Important study material will be provided in the form of softcopy.

8. Recommendation letter:

A recommendation letter either from the head of the institute or supervisor on their letter head is required for the application.

Feel free to contact neurobehavior.pgimer@gmail.comfor any further help/details.

Payment Details:

Payment must be made in favour of ***"Indian Pharmacological Society (IPSCON 2016),*** A/c no.: 35711282885, payable at SBI, Medical Institute branch, Sector-12, Chandigarh; IFSC code.: SBIN0001524, MICR Code: 160002007.*NOTE: ONLY Draft and NEFT/RTGS or CASH IS ALLOWED. (In case of NEFT/RTGS please save the transaction ID and date and fill it online and send to us)*

Application Form

4th Advanced Training Program in Experimental Behavioral Neurosciences
(4th NBRL-ATP-EBN)
PGIMER, Chandigarh-160012
29thNovember-1st December, 2019

Passport size photo

1. **Name (in capital):**_____
2. **Date of birth*** **:**_____
3. **Gender** **:** M/F _____
4. **Marital Status** **:**Unmarried/Married _____
5. **Citizenship** **:** Indian/ Other _____
6. **Address** **:**_____

   _____

   City: _____ **State:** _____ **Zip:** _____
7. **Phone no:** _____ **Mobile no:** _____
8. **Email id:** _____
9. **Education qualification:**

Degree	Board/University	Year of Passing	Subjects/ Branch	CGPA/ Percentage
Secondary				
Senior Secondary				
Graduation				
Post- Graduation*				
Current status*				

10. **Experimental expertise:** _____

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11. **Computer efficiency:** _____

12. **How will this training help you and your expectations from us: (200 words max.)***

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13. Please enclose a letter either from the Head of Department or from one of your faculty.

Date: ___/___/_____ **Signature: _____**

Mandatory Field, has importance in screening process.

***********Only 35 seats are available for selection & Registration. ***********

Payment Details:

(Only Selected Candidates ask to PAY the REGISTRATION Fee.)

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Note: Send a scanned copy of this application form and the recommendation letter in Pdf format to info@eplpgi.res.in, neurobehavior.eplpgi@gmail.com. Please bring original copy during the time of training program.

Registration Fee: Early Bird =Rs. 1000/- (October 20, 2019) : Rs. 1500/- (After October 20, 2019).

*********Strictly "NO SPOT REGISTRATION"**********