

Short Term Training Course
On
Molecular Detection and Characterization
of Animal Pathogens
(September 10 – 19, 2018)

APPLICATION FORMAT

The application should be type written on an A4 size paper and duly signed and forwarded by the competent authority

1. Full Name:
2. Designation:
3. Qualifications:
4. Mailing address:
5. Telephone and E-mail address:
6. Date of birth:
7. Professional experience:
8. Field of specialization/area of interest:
9. Training program attended in last five years:

Date: _____
Place: _____ Signature of the applicant

13. Recommendation of the forwarding Authority:

The application of Dr/Mr/Ms is hereby recommended for attending the short term training course entitled '**Molecular Detection and Characterization of Animal Pathogens**' from September 10 to 19, 2018 to be organized at Institutional Biotech Hub, College of Veterinary Sciences and Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizoram – 796 015.

It is certified that information furnished by the candidate has been verified and found correct.

Signature
Name and Designation
(seal)



Institute

College of Veterinary Sciences & Animal Husbandry is located at Selesih, 10 km from Aizawl city on Aizawl-Silchar highway and 45 km away from Aizawl (Lengpui) airport. Aizawl is connected by road and by air with Guwahati and also connected with Kolkata by air. This college is a constituent college of Central Agricultural University and located in Mizoram. At the time of training, climate of Aizawl will be pleasant with a temperature ranging between 22-27°C with about 90% humidity.

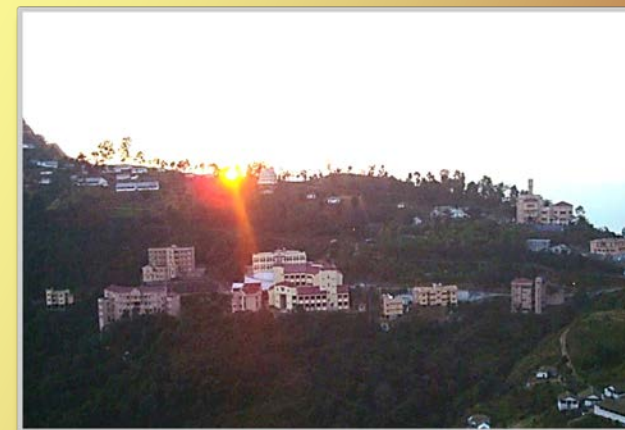


Short Term Training Course

on

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Organized by



Institutional BIOTECH HUB
Department of Veterinary Microbiology
College of Veterinary Sciences and Animal Husbandry
Central Agricultural University
Selesih, Aizawl, Mizoram – 796015

Greetings from Central Agricultural University!

Institutional Biotech Hub, Department of Veterinary Microbiology; is organizing a short – term training course on “**Molecular Detection and Characterization of Animal Pathogens**” from September 10 to 19, 2018. Applications are invited from the interested faculty members/post graduate students pursuing their Master’s or Ph.D. research related to microbiology/ pathology/ public health/ epidemiology/ biotechnology/ biochemistry/ molecular biology/ medicine/ pharmacology or any other biological sciences related to the theme of the training programme in the prescribed format. Application through proper channel should reach Dr. Tapan Kumar Dutta, Professor & Head, Department of Veterinary Microbiology, College of Veterinary Sciences & Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizoram – 796015 on or before 5th September, 2018.

Chief Patron:

Dr. M. Premjit Singh, Vice-Chancellor, CAU, Imphal, Manipur

Patron:

Dr. L. Hmar, i/c Dean, CVSc&AH, Aizawl

Course Coordinator:

Dr. Tapan Kumar Dutta, *MVSc, PhD*

Course Directors:

Dr. Prasant Kumar Subudhi, *MVSc, PhD*

Dr. Parimal Roychoudhury, *MVSc, PhD*

Core Faculty Members:

Dr. Parthasarathi Behera, *MVSc, PhD*

Dr. Jagan Mohanarao Gali, *MSc, PhD*

Objective

There can be no doubt that some of the spectacular advancements achieved in life science over the past few decades have been in purification, analysis and manipulation of nucleic acids from biological samples that carry the information for life through generations. This has led to a much greater understanding of mechanisms and processes across many fields of bio-medical sciences, such as, biochemistry, microbiology, physiology, pathology and medicine to name a few. It has also led to the growth of the biotechnology industry, which seeks to develop and commercialize products based on the scientific information generated. One of the challenges that are faced currently is the emergence and reemergence of infectious diseases that substantially compromise animal productivity. Molecular biology tools have proved to be beneficial in overcoming this in a shorter duration compared to the previous conventional methods. Techniques like PCR, gene cloning, genome sequencing and analysis have contributed towards pathogen detection and disease forecasting for adopting remedial measures within a very short incubation period.

However, for entering in to this exciting field of pathogen discovery, it is essential to understand the principles and protocols for detection and characterization of bacterial and viral pathogens using their genome (DNA/RNA) and plasmids. Keeping in view the above, we are organizing a short term training program of 10 days for the budding biological researchers, the post graduate students on the topic entitled “**Molecular detection and Characterization of Animal Pathogens**” from September 10-19, 2018.

Course contents

The training program will be well composed with hands on practical work along with background concept lectures for efficient understanding of the practical sessions from learned faculty members of host institute as well as guest faculty of other institute on various aspects of nucleic acid based detection and characterization of bacterial and viral pathogens, *viz.*, PCR/RT-PCR, gene cloning & Sequencing, sequence analysis etc.

All the participants are instructed to bring personal laptop during the training programme for *in silico* sessions.

Assessment and Certificate

After completion of the course, the participants will be evaluated with the objective to assess how far the training programme succeeded in reaching up to the participants in order to enhance their competence on various techniques covered. The participants will be given a certificate on successful completion of the short-term course.

Facilities

College of Veterinary Sciences & Animal Husbandry, Central Agricultural University is very well equipped with good laboratories and competent faculty members for imparting training in advanced areas of infectious disease diagnosis in livestock and poultry. Computer and bioinformatics center with internet facilities are accessible to all the students and staff.

Financial Support

No course fee will be charged for joining the course. No TA/DA will be given to participate in the course.

Maximum 15 candidates will be selected based upon the applicability of the programme in the academic activities of the candidate(s).

Last date for acceptance of the application is 5th September, 2018. Selected candidates will be communicated through email only.

Address for correspondence

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Professor & Head
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Central Agricultural University
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