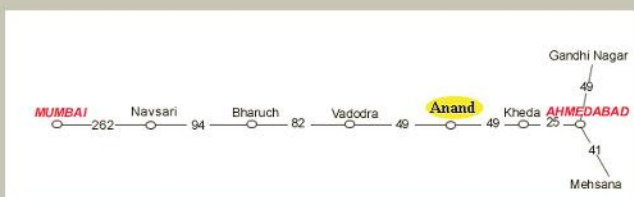


About Anand;

Anand means happiness, and as destiny would have it, this place has made a complete transformation to the lives of the local people with AMUL. Today it is referred to as the 'Milk capital of the India' due to what is known as the 'White Revolution'. This city hosts the National Dairy Development Board of India and Anand Agricultural University. Another well known product of the city is Vallabh Vidhyanagar and Karamsad, an educational hub of Gujarat.

Anand lies between Ahmedabad (74 km away) and Vadodara (49 km away) on the Western Railway. The National express highway from Ahmedabad to Vadodara also passes through Anand.



Director:

Dr. Chaitanya G. Joshi, Professor
Department of Animal Biotechnology,
Veterinary College, AAU, Anand

Advisor:

Dr. J. V. Solanki, Scientist Emeritus

Associated Faculties

Dr. D. N. Rank, Professor & Head,
Department of Animal Genetics, AAU, Anand

Dr. P. G. Koringa, Assistant Professor,
Animal Biotechnology, AAU, Anand

Dr. S. J. Jakhesara, Assistant Professor,
Animal Biotechnology, AAU, Anand



Venue:

Ome Research Facility
Department of Animal Biotechnology,
College of Veterinary Science & Animal Husbandry,
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A Short Course

on Metagenomics - Role of Next Generation Sequencing and Bioinformatics

(15th – 24th October, 2013)



Sponsored by

Niche Area of Excellence in
Animal Biotechnology



Organized by



Department of Animal Biotechnology
College of Veterinary Science & A. H.
Anand Agricultural University
Anand-388001,
Gujarat, India
www.aau.in

About the Training:

Anand Agricultural University is the only university (state agricultural/traditional) in India to have high throughput genome sequencers (454-GS FLX Titanium - Roche and Ion Torrent PGM-Life Technologies) installed at Ome Research Facility, Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry. Since it provides high throughput data, useful in numerous applications as well as reduces project time and cost.

Department of Animal Biotechnology is committed to being a globally competitive research facility through excellence in reasearch and training of future research scientists. Over the past decade, "Metagenomics," which gives global account of genomes of all the microbes in an environment at once and now its also possible to study unculturable organisms present in environmental communities. To impart training on metagenomics, Department of Animal Biotechnology is organizing a training program "Metagenomics - Role of Next Generation Sequencing and Bioinformatics" under the Niche Area of Excellence project "Metagenomic analysis of Ruminant Microbes" in Animal Biotechnology. This training programme aims at imparting hands on experience to young and mid career scientists and researchers on the use of "Next Generation Sequencing" for metagenomic approach to analyzing the diversity of microbial communities in peculiar ecosystems and for gene prospecting.

Eligibility:

The training program is being organized with financial assistance from the Niche Area of Excellence project of the ICAR. The training course is designed for faculty and scientists (assistant professor and above) and will be for a duration of ten days from October 15, 2013 to October 24, 2013. Candidate should be sponsored by their institute.

Eligible scientists, who wish to participate in the training program, may submit their brief curriculum vitae including name, date of birth, sex, educational qualifications, experience, position held, postal, e-mail address and phone number and a brief write-up on motivation to attend the training program. Application sent through proper channel duly approved by the institution will be considered (attach the letter of approval with the application). Application received on or before **31st August, 2013** will be considered for participation.

Travel and Accomodation:

TA/DA will be born by the sponsoring institute. In special case TA/DA will be admissible and for that sepearate application with justification is to be forwarded by sponsoring institute. Accommodation will be arranged for the participants on sharing basis for the period of training. However, each participant registered for training program must deposit Rs. 5000 as security deposit along with application. The deposit will be refunded on the successful participation and completion of training program. **There is no training fee.** Payment of security deposit will be accepted by DD in the favour of "Anand Agriculture University Fund Account" payable at Anand (To be send with application).

Course contents:

Course contents will cover the following aspects of metagenomics but not limited to -

Introduction to metagenomics
Role of NGS in metagenomics
Genomics-Functional Genomics-Metagenomics
Rumen metagenomics, Gut metagenomics
Soil metagenomics,Environmental metagenomics
Metatranscriptomics
Overview of GS FLX and Ion Torrent sequencing
Amplicon and shotgun sequencing
Library preparation and emulsion PCR
Bioinformatic analysis of metagenomics data
Comparative metagenomics and Biostatistics
Various tools used in metagenomics

Registration Form

A Short Course on Metagenomics - Role of Next Generation Sequencing and Bioinformatics (15th-24th October, 2013)

1. Full name : (in BLOCK letters)
.....
2. Designation :
3. Address for correspondence:
.....
.....
4. Telephone :
5. E-mail Address :
6. Date of birth :
7. Projects being handled :
8. Research experience :
9. Academic record:
10. Purpose/How this training will be useful to the candidate/institution:
.....
.....

Date: _____ Signature of applicant _____

Certified that the information is correct as per the office records.

Recommendation

Signature of Sponsoring
Authority with office seal