

AGRICULTURAL BIOTECHNOLOGY CENTRE (AGBC)

Faculty of Agriculture
University of Peradeniya
Peradeniya
Sri Lanka

P-1535

Tele:0094-81-2387180 Fax: 0094-81-2387180

OUR REF: AgBC /Prog

2015/.02/05

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U. O. P.

Peradeniya.

E-mail: agbc@pdn.ac.lk

Dear Sir/ Madam,

Certificate Course on Fundamentals of Molecular Biology and Biotechnology

Agriculture Biotechnology Centre will be conducting lecture, discussion and project-based course (90 hours) that focus on the interactions between DNA, RNA, and proteins within cells and the most widely used molecular tools to analyze and modify genetic materials.

I would be grateful if you could circulate the attached notice and the brochure in your Faculty/ Department/ Institution/ Company.

Thanking you Yours faithfully,

Dr.P.C.G.Bandaranayake

Director/AgBC

Agricultural Brotechnolog antre
Faculty of Agricult
University of Peradomya
Peradeniya
Sri Lanka

Closing date of payments will be on

04th March 2015

Through cash or a cheque written in favor of,

Director,
Agricultural Biotechnology Centre,
Faculty of Agriculture,
University of Peradeniya

Course fee: Rs.20,000/= per participant

Tele No: 081 2387180 Fax No: 081 2387180 Email: agbc@pdn.ac.lk

AGRICULTURAL BIOTECHNOLOGY CENTRE ' FACULTY OF AGRICULTURE UNIVERSITY OF PERADENIYA



Certificate Course on
Fundamentals of Molecular Biology
and Biotechnology

From 12th March 2015

Applications are called for the above Certificate Course organized by the Agricultural Biotechnology Centre, Faculty of Agriculture, University of Peradeniya

Course contents (90 hours):

A taught course consisting of lectures, discussions and a project that focuses on the interactions between DNA, RNA and proteins, and the most widely used molecular biological tools. Topics covered in part one will include genetic mechanisms (DNA replication, repair, recombination, gene, genome organization, and gene expression), genomes, transcriptomes. proteomes, eukaryotic nuclear genomes, genomes of prokaryotes and eukaryotic organelles, virus genomes and mobile genetic elements. The part two wills cover useful molecular biological techniques such as PCR. quantitative PCR, primer design, gelelectrophoresis, genotyping techniques, sequencing techniques, sequencing genomes and understanding sequence data, RNAseq, NCBI resources, molecular phylogenetics, gene cloning, microarrays, directed mutagenesis. In the third part, the participants will learn regulation of gene expression, manipulation of gene expression, gene silencing (RNAi and other), genetically modified organisms and experimental model systems.

Venue: Agricultural Biotechnology Centre, Faculty of Agriculture, University of Peradeniya

Dates: March: 12th, 13th, 20th, 27th

April : 2nd, 10th, 17th, 24th, 30th

May : 8th

Time: 8.30 a.m. - 5.00 p.m.

* Maximum 50 participants (First come, First serve)

Course Fee: Rs. 20,000.00

Coordinator: Dr. P. C.G. Bandaranayake

Application procedure: Please complete the attached application form and submit with the full payment to:

Director,
Agricultural Biotechnology Centre,
Faculty of Agriculture,
University of Peradeniya,
Peradeniya.
(Tel / Fax: 081-2387180)
(e-mail:agbc@pdn.ac.lk)

"Your application form can be downloaded from:(http://www.pdn.ac.lk/Notice board)"

The deadline for receipt of completed application forms is 04th March 2015

.. Certificate Course on Fundamentals of Molecular Biology and Biotechnology

Application Form

Full Name: Mr./Ms./Dr/ Prof:
Designation:
Institute:
Contact Details:
Mailing Address
Telephone No:
Office
Residence
Fax
Email
Signature of Participant:
Date:

NOTICE



Certificate Course on Fundamentals of Molecular Biology and Biotechnology

Are you interested in learning fundamentals of molecular biology and biotechnology? Then, this 90 hour taught course is for you!

Course Content:

A taught course consisting of lectures, discussions and a project that focuses on the interactions between DNA, RNA and proteins, and the most widely used molecularbiological tools. Topics covered in part one will include genetic mechanisms (DNA replication, repair, recombination, gene, genome organization, and gene expression), genomes, transcriptomes, proteomes, eukaryotic nuclear genomes, genomes of prokaryotes and eukaryotic organelles, virus genomes, and mobile genetic elements. The part two will cover useful molecular biological techniques such as PCR, quantitative PCR, primer design, gel-electrophoresis, genotyping techniques, sequencing techniques, sequencing genomes and understanding sequence data, RNAseq, NCBI resources, molecular phylogenetics, gene cloning, microarrays, and directed mutagenesis. In the third part, the participants will learn regulation of gene expression, manipulation of geneexpression, gene silencing (RNAi and other), genetically modified organisms, and experimental model systems.

Venue : Agricultural Biotechnology Centre, University of Peradeniya

• Date : 10 days (March: 12th, 13th, 20th, 27th, April: 2nd, 10th, 17th, 24th, 30th, May: 8th)

Plus a12-15hr project (proposal, review or analysis), which will be evaluated

• Time : 8.30 a.m. – 5.00 p.m.

Course Fee : Rs. 20,000.00 (non-refundable, food & lodging not included)

• Coordinator : Dr. Pradeepa C.G. Bandaranayake

Application procedure:

Please complete the attached application form and submit on or before 04th March 2015 with full payment to:

Director,

Agricultural Biotechnology Centre (AgBC), Faculty of Agriculture, University of Peradeniya,

Peradeniya

Tel / Fax: 081-2387180 E-mail: agbc@pdn.ac.lk

Application form can also be downloaded from the university web site notice board (http://www.pdn.ac.lk./uop/main/downloads students.html)

^{*}Maximum capacity – 50 participants (First come, First serve!)