



AGRICULTURAL BIOTECHNOLOGY CENTRE (AgBC)

Faculty of Agriculture
University of Peradeniya
Peradeniya
Sri Lanka

Tele: 0094-81-2387180 Fax: 0094-81-2387180
OUR REF: AgBC /Prog

E-mail: agbc@pdn.ac.lk

03/10/2014

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Dean,
Faculty of Medicine,
University of Peradeniya,
Peradeniya

Dear Sir/ Madam,

Short Course on Molecular Diagnostics: 17th - 19th November 2014

Agriculture Biotechnology Centre will be conducting a **Short Course on Molecular Diagnostics** for those who are interested in getting hands-on experience in most widely used techniques.

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 Biotechnology Centre
Faculty of Agriculture
University of Peradeniya
Peradeniya
Sri Lanka

NOTICE



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SHORT COURSE ON MOLECULAR DIGNOSTICS

17th – 19th NOVEMBER 2014

Applications are called for the above Short Course organized by the Agricultural Biotechnology Centre (AgBC), Faculty of Agriculture, University of Peradeniya (UOP) in collaboration with Michigan State University (MSU), USA and Agricultural Education Unit (AEU), Faculty of Agriculture, UOP

Course content:

Theory (6 hrs)

- Introduction to molecular diagnostics (Prof. Brad Day, MSU)
- PCR, qPCR and their applications in diagnostics (Dr. Pradeepa Bandaranayake, UOP)
- DNA sequencing for diagnostics (Dr. Pradeepa, Bandaranayake, UOP)
- Emerging solutions for global health and food security (Dr. Evangelyn Alocilja, MSU)
- Current status of molecular diagnostics in Sri Lanka (Dr. Devika De Costa, UOP)
- Marker Assisted Selection/Breeding for disease resistance (Dr. Cholani Weebadde, MSU)

Laboratory Practicals (16 hrs) Prof. Brad Day and Dr. Pradeepa Bandaranayake,

- Primer designing for diagnostics
- PCR, Gel electrophoresis and analysis
- Pathogen isolation – plant/pathogen combo vs. purified pathogen
- Isolation of genetic material form pathogen
- Diagnostics and Identification
- Pathogen detection kits

- **Venue** : Agricultural Biotechnology Centre, University of Peradeniya
- **Time** : Three days starting from 17th November 2014
**Maximum capacity – 30 participants (First come, First serve)*
- **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 31st October 2014 with the 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)

Closing date of payments will be on

31st October 2014

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**



**SHORT COURSE ON
*Molecular Diagnostics***

17th –19th November 2014

Applications are called for the above Short Course organized by the Agricultural Biotechnology Centre, Faculty of Agriculture, University of Peradeniya in collaboration with Michigan State University, USA and Agricultural Education Unit, Faculty of Agriculture, University of Peradeniya

Course contents (24 hours):

Theory (6 hours)

- Introduction to molecular diagnostics (Prof. Brad Day, MSU)
- PCR, qPCR and their applications in diagnostics (Dr. Pradeepa Bandaranayake, UOP)
- DNA sequencing for diagnostics (Dr. Pradeepa, Bandaranayake, UOP)
- Emerging solutions for global health and food security (Dr. Evangelyn Alocilja, MSU)
- Current status of molecular diagnostics in Sri Lanka (Dr. Devika De Costa, UOP)
- Marker Assisted Selection/Breeding for disease resistance (Dr. Cholani Weebadde, MSU)

Practical-16 hours (Prof. Brad Day and Dr. Pradeepa Bandaranayake)

- Primer Designing for Diagnostics
- PCR, Gel electrophoresis and analysis
- Pathogen isolation – plant/pathogen combo vs. purified pathogen
- Isolation of genetic material from pathogen
- Diagnostics and Identification
- Pathogen detection kits

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

Time: *three days from 17th November 2014*

** Maximum 30 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)

The **deadline** for receipt of completed application forms is **31th October 2014**

SHORT COURSE ON Molecular Diagnostics

November 17th-19th, 2014

Application Form

Full Name: Mr./Ms./Dr/ Prof:.....

.....

Designation:

Institute:

Contact Details:

Mailing Address.....

.....

.....

Telephone No:

Office.....

Residence.....

Fax.....

Email.....

Signature of Participant:

Date: