

Workshop

Current Techniques in Genomics and Agriculture

PCR and Real-Time PCR hands-on workshop in Gene Expression and Imaging



Organizers

- International Center for Biosaline Agriculture (ICBA), Dubai, United Arab Emirates
- Integrated Gulf Biosystems (IGB), Dubai, United Arab Emirates

Speakers

- Dr. Khaled Masmoudi, ICBA
- Dr. Lakshmi Madabusi, IGB
- Mr. Biduth Radharaman, IGB
- Dr. Khaled Hazzouri, NYU, Abu Dhabi

Registration

Only 30 seats available

To reserve a seat, please contact us at:

marketing@igbiosystems.com
k.masmoudi@biosaline.org.ae

International Center for Biosaline Agriculture (ICBA)

Academic City, Al Ain Road,
Al Ruwayyah,
Near Zayed University
P.O. Box 14660, Dubai,
United Arab Emirates
Tel: +971 4 3361100
Fax: +971 4 3361155
www.biosaline.org

Integrated Gulf Biosystems (IGB)

P.O. Box : 12304, Al Nahda
2, Dubai, UAE
Tel: +971 4 2345050
www.igbiosystems.com

Date: April 25, 2016

Venue: International Center for Biosaline Agriculture, Dubai, United Arab Emirates

Background

The overall purpose of this workshop is to provide an overview of many diverse activities in the field of plant genomics, transcriptomics and Next Generation Sequencing (NGS) and the prospects and applications of this research to biotechnology. The workshop will comprise short lectures and practical work in the laboratory.

The workshop will provide an opportunity to get hands-on experience in End-point & Real-Time PCR - with tips on:

- DNA/RNA preparation
- Gene expression Data vs. Genotyping Data
- Biomarkers in Agriculture and other Biotechnology Applications
- Troubleshooting and Data Interpretation
- Imaging techniques in cell biology



A few specific talks covering topics in the field of Genomics & Applications in Biotechnology and Agriculture will also be given.

Target Audiences

Principal Investigators, Postdoctoral, Masters, Engineering & Ph.D. Students.

Talk topics

- Dr. Khaled Masmoudi (ICBA)
Talk – GMO detection, analysis and harmonization
- Dr. Lakshmi Madabusi (IGB)
Talk – Small RNA research in genomics
- Mr. Biduth Radharaman (IGB)
Talk – Applications of NGS and real-time PCR - genomics perspectives
- Dr. Khaled Hazzouri (NYU) Abu Dhabi
Talk – A snapshot into the diversity of date palm

