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PAN ARAB HUMAN GENETICS CONFERENCE

المؤتمر العربي الثامن لعلوم الوراثة البشرية
Dubai - United Arab Emirates 2020

MEET OUR TUTORS



DR. ALBERTO MAGI
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Italy



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DR. YOUSSEF IDAGHDOUR
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DR. AHMED ALFARES
Qassim University
Saudi Arabia

Venue: Mohammed Bin Rashid University of Medicine and Health Sciences, Building 14,
Dubai Healthcare City
Dubai, UAE

17th - 18th January, 2020



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GENOMIC DATA ANALYSIS FOR GENE DISCOVERY AND VARIANT INTERPRETATION

17th - 18th January, 2020

WORKSHOP PROGRAM

(DAY 1) Friday, January 17th 2020: From blood sampling to data

8:30 - 9:00 AM

Registration

9:00 - 9:15 AM | Welcome

Introduction to the course and ice-breaking session

- The team

9:15 - 9:45 AM | Lecture

From blood sampling to data analysis: who, what, why?

- Presenter: Dr Youssef Idaghdour and team

9:45 - 11:15 AM | Workshop I

From data analysis to a list of rare candidate variants: exome data handling

- Presenter: Dr Tommaso Pippucci and team

11:15 - 11:30 AM | Coffee Break

11:30 - 1:00 PM | Workshop I

From data analysis to a list of rare candidate variants: exome data handling (cont)

- Dr Tommaso Pippucci and team

1:00 - 2:00 PM | Prayer & Lunch break

2:00 - 2:30 PM | Lecture

The challenges of Copy Number Variant (CNV) detection

- Dr Alberto Magi and team

2:30 - 4:30 PM | Workshop II

Tools for CNV discovery

- Dr Alberto Magi and team

4:30 - 4:45 PM | Coffee Break

4:45 - 5:30 PM | Learning reflection time

Q&A session / Close

- The team

9:00 - 9:30 AM | Lecture

From a list of rare candidate variants to a diagnosis: tools for variant interpretation

- Dr Julia Baptista and team

9:30- 11:30 AM | Workshop III

Variant classification club (bring your own variant!)

- Dr Julia Baptista and team

11:30 - 11:45 AM | Coffee Break

11:45 - 1:00 PM | Lecture

Functional validation: functional analysis and a biological insight into disease-causing variants

- Dr Youssef Idaghdour and team

1:00 - 2:00 PM | Prayer & Lunch break

2:00 - 4:15 PM | Workshop IV

RNA sequencing data analysis: functional analysis and a biological insight into disease-causing variants

- Dr Youssef Idaghdour and team

4:15 - 4:30 PM | Coffee Break

4:30 - 5:30 PM | Learning reflection time

Q&A session

Close

- The team

(DAY 2) Saturday, January 18th 2020: Interpreting the role of rare variants



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