

Real-time 0.5-1.8 μ l PCR on a Microchip: Nucleic Acid Detection and Identification



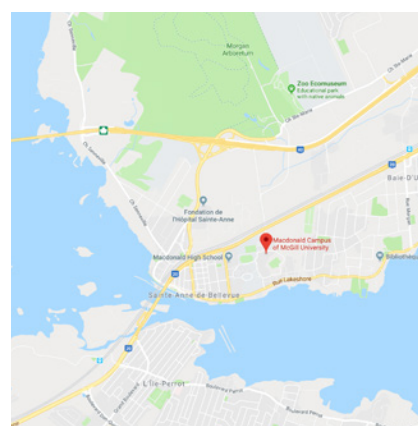
Workshop Program

8:30-9:00	Registration, welcome coffee & networking
9:00-10:00	A. Theoretical – Microchip Based Real-time PCR Technology: it's the PCR just like you do it normally, but saving on time and reagent costs <ul style="list-style-type: none">› Powerpoint Presentation
10:00-10:30	Coffee-break & Networking
10:30-11:00	B. Demo – Microchip Real-time PCR analyzer AriaDNA: how it is possible to reduce the analysis time and costs <ul style="list-style-type: none">› Display and short overview about the instrument and its technical specifications› Main technical systems of AriaDNA device (thermocycling block and optical system)› Basic modes of AriaDNA software operation
11:00-11:30	C. Demo – Microchips for AriaDNA: how the technology reduces the requirements for the operator qualification <ul style="list-style-type: none">› Display of liquid PCR reagents and empty microchips› Display of freeze-dried PCR reagents and microchips
11:30-12:00	Coffee-break & Networking
12:00-12:45	D. Demo – Sample preparation: <ul style="list-style-type: none">› Sample preparation as an important step of PCR analysis that influences PCR results and its importance for microchip real-time PCR› DNA/RNA sample preparation: basic principles and practical approaches› Demonstration of work-flow using DNA and RNA sample preparation kits and control samples
12:45-14:00	Lunch & Networking
14:00-14:45	E. Demonstration of the work-flow: <ul style="list-style-type: none">› Using freeze-dried microchips with control samples› Using empty microchips with liquid PCR reagents and control samples› PCR parameters: thermal cycling mode, detector configuration, microchip template, description of samples› Interpretation of results of the analysis, generation of analysis report, importing and exporting the results files› Viewing and understanding the images
14:45-15:30	F. Q&A session
15:30-16:30	Networking

Date May 15, 2018

Time 8:30 AM – 4:30 PM

Venue Macdonald Campus,
McGill University,
Montreal, Canada



To register, [click here](#).
For additional information,
please contact Alvin Johnson,
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Please forward this invitation
to any colleagues or friends
who may be interested.
Seats are limited, refreshment
and lunch will be served.

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