

## **WS 2: Excel Beyond the Basics**

Audience Knowledge: Intermediate

### **Workshop Chairs**

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### **Abstract**

Microsoft Excel is a ubiquitous tool in the laboratory – and it is, for some laboratories, the only data analysis tool available. Fortunately, its automation and analysis capabilities have steadily improved in the past few years. This workshop assumes participants are familiar with Excel and its basic functions (formulas, scatter plot/bar plot production).

Intermediate functionalities will be introduced and demonstrated by the speakers in a small modules format: data analysis ToolPak, dynamic tables, dynamic graphs, slicers & timelines, etc. Power Query will be demonstrated, including splitting/merging, formatting, pivoting, summarizing, etc. VBA macros and Python integration will also be briefly introduced. Participants should come prepared with Excel installed on their computer. They will be provided with the dataset to follow along with the speakers, but are also welcome to bring and use their own datasets. A full recording of the session will be provided to the participants after the conference as a reference.

## Speakers

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## Workshop Agenda

Time	Topic	Speaker
08:00 AM - 10:00 AM	Practice Modules, Part 1	Desharnais, Devincenzi, Abonamah, Ciallella
10:00 AM - 10:30 AM	Break	
10:30 AM - 12:00 PM	Practice Modules, Part 2	Desharnais, Devincenzi, Abonamah, Ciallella