Getting Started with EC-Lab®:
Connection to the instrument(s) & Channel(s) selection
The aim of this presentation is to guide the user to:
- connect the computer to the instrument(s),
- select the channel(s) of the instrument.
PROCEDURE

1. Switch on the instrument
2. Launch EC-Lab® software
3. Add « new device » in the device list
4. Select the instrument of interest
5. Select the channel(s) of interest
6. Set the appropriate experimental parameters
7. (Disconnection)

NOTE:
It is assumed that the computer and the instruments are physically connected by one of the following means:
- Direct USB connection. The latest update of the USB driver has to be correctly installed on the computer,
- Direct Ethernet connection with appropriate IP addresses for the instrument(s) and the computer,
- LAN connection with the appropriate IP addresses for the instrument(s) and the computer.

More information are available in the installation and configuration manual of the instrument(s).
• Turn on the instrument using the switch on the rear panel. Then wait for a few seconds.

**TIP:**
It is recommended to wait for additional 30 minutes before starting any measurement. During the 30 first minutes, the instrument is warming up.

**NOTE:**
For some instruments, a red push-stop button is on the front panel. Make sure that this button is not pushed.
• Click on the EC-Lab® icon created on the desktop.

Then, the main window of EC-Lab® is displayed.

The window is empty
No instrument is connected.
3- Add new device

• Click on the “+” button to add a device in the list.

   This has to be done only once. The device added will be shown in the list each time EC-Lab® will be opened.

• If the instrument is already in the list, skip next slides. Go to slide #10.

**NOTE:**
“-” button to remove a device in the list.
4- Select the instrument(s)

- Select the instrument of interest.
- Click on the « Select » button.

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**NOTE:**
Only one instrument can be selected at a time.

If checked, the next time Ec-Lab is opened, reconnection will be performed automatically.
Two programs are sent to the instrument operating system (*.flash and *.bin files).
The instrument now appears in the list.

- connected
- not connected
- virtual instrument

For the Ethernet connection, the IP address is indicated in the list of devices and at the bottom of the window.
if the device is already in the list

- Select the instrument (highlighted in blue)

- Click on the connect button.
5- Select the channel(s)

There are two ways to select the channel(s) of the instrument.
1. From the main Window
2. From the global view

From the main window:
• Click on the channel in the tool bar.

The instrument and the channel numbers are indicated on the bottom of the window.
From the global view

- Click on the button.
- In the «global view» window, click on the channel of interest.

The instrument and the channel numbers are indicated at the bottom of the window.
When the instrument(s) and the channels are selected,

- The user has to fill in the:
  - « Advanced settings » window
  - « Cell Characteristics » window

And

- add techniques in the experiment with the « + » button.

Setting and launching experiment will be shown in another « Getting started with EC-Lab » presentations.
7- To disconnect

Select the instrument (highlight in blue)

Click on the button.