

# PLANKTON ECOLOGY



Plankton Ecology Manager: Carmen Minucci

## Live Zooplankton Manipulations Room #138

Room #138, located on the first floor of the East wing, is mainly dedicated to Live Zooplankton Manipulations, houses a series of microscopes and stereomicroscopes, a small laminar flow hood and a refrigerated centrifuge. Here it is possible to "sort" the zooplankton when the sea net samples arrive at SZN, to observe in order to identify and photograph planktonic organisms. Furthermore, it is also possible to observe phytoplankton samples for the identification and isolation of species of interest.

The equipment in Room #138 are listed below and bookable [here](#)

Bookable instruments	Description	
<b>Flow Laminar Hood</b>	ASLAIR Laminar Flow Hood.  This little hood is devoted to sterile manipulation of plankton cultures and samples.	 A photograph of an ASLAIR laminar flow hood. The top panel is white with the ASLAIR logo and text 'VE 9 IC 700 INAR FLOW'. Below the panel is a stainless steel cabinet with a glass front.
<b>Stereomicroscope</b>	LEICA S9i Stereomicroscope with monitor.  This instrument is used for observations and manipulations of live zooplankton samples.	 A photograph of a Leica S9i stereomicroscope. It is a white binocular microscope with a large black monitor attached to the side. The microscope is sitting on a white desk.
<b>Stereomicroscope</b>	LEICA MZ12 Stereomicroscope  This instrument is used for observations and manipulations of live zooplankton samples.	 A photograph of a Leica MZ12 stereomicroscope. It is a white binocular microscope with a large black monitor attached to the side. The microscope is sitting on a white desk.

<p><b>Microscope</b></p>	<p>Inverted LEICA DMIILED Microscope with monitor.</p> <p>This instrument allows plankton sample observations directly in Petri Dishes (diameter 5 cm and 10 cm), in Multiwell plates and in flasks and phytoplankton single cell isolation directly from Petri Dishes or Multiwell plates. Objectives 5x, 10x, 20x and 40x</p>	
<p><b>Microscope</b></p>	<p>Inverted ZEISS Axiovert 25 Microscope.</p> <p>This instrument allows plankton sample observations directly in Petri Dishes (diameter 5 cm and 10 cm), in Multiwell plates or in flasks, and phytoplankton single cell isolation directly from Petri Dishes or Multiwell plates. Objectives 2,5x, 5x, 10x and 20x</p>	
<p><b>Centrifuge</b></p>	<p>ThermoScientific Fresco Refrigerated Centrifuge 21</p> <p>This instrument allows the contemporary refrigerated centrifugation of 24 (1,5 – 2,0 ml) tubes. Max Speed 14.800 rpm.</p>	