

# Functional Area of Physiology and Behavior






## Behavioral and Morphological Analysis



First Floor - EAST wing, #147

The **Behavioral and Morphological Analysis** platform is equipped with instruments suitable for the morphological characterization and analysis of the behavior of large and small marine organisms. The available equipment includes: ultrasound machine, microscopes (stereo- and fluorescence), video recording analysis and high-throughput systems for behavioral tests.

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Bookable instruments	Description	
Upright Microscope <i>Olympus BX40</i>	The BX40 was developed for routine clinical procedures and offers the advantages of a high-cost-performance model. It delivers operational efficiency and boasts a design that reduces fatigue during prolonged periods.	
Stereomicroscope <i>Leica MZ16</i>	High-performance stereomicroscope with 16:1 zoom, fully apochromatic Leica MZ16 A	
Fluorescence Microscope <i>ZEISS Axio Imager 2</i>	Upright microscope for examination in fluorescence and transparency microscopy equipped with ApoTome cursor system (increased axial resolution).	
Ultrasound Machine <i>Toshiba Nemio 10</i>	Black-and-white OB/GYN ultrasound from Toshiba's "Nemio" series of ultrasound machines. It has 2D and M-Mode Imaging option.	
Behavioral analysis system from video recording	System for analysis of 'post-hoc' behavior from analog and digital video recordings (on tape); the system supplied allows analysis in still image (25 fps) and slow-motion.	
Behavioral analysis system for tracking <i>DanioVision Noldus</i>	DanioVision is a complete system, designed for the high-throughput testing of larvae in multi-well plates. It includes the Observation Chamber and renowned EthoVision XT video tracking software.	