

INFRASTRUCTURE/FACILITY	<i>Sequencing and Molecular Analysis Center</i>
INFRASTRUCTURE/FACILITY	<i>CSAM</i>
LOCATION OF INFRASTRUCTURE/FACILITY	<i>Villa Comunale, Naples</i>
LEGAL NAME OF OWNER ORGANIZATION	<i>Stazione Zoologica Anton Dohrn</i>
COUNTRY	<i>Italy</i>
CONTACT	<i>Pasquale De Luca</i> <i>Stazione Zoologica Anton Dohrn, RIMAR</i> <i>Villa Comunale, 80212 Naples (Italy)</i> <i>+39 081 5833453</i> <i>pasquale.deluca@szn.it</i>

DESCRIPTION

The Sequencing and Molecular Analysis Center (CSAM) offers services, training and consultancy in the Molecular Biology field, from the execution of complex procedures to the development of on-demand protocols. This Core Facility developed a sequencing service which includes both classic Sanger with the 3730xl DNA Analyzer, and deep sequencing with the Ion GeneStudio S5, a Real Time PCR and a droplet digital PCR services with the Thermo ViiA7 and QuantStudio 5, and Biorad Qx200 ddPCR instruments, respectively. The Covaris M220 ultrasonicator allows an effective DNA fragmentation for NGS sequencing of Chromatin Immunoprecipitation experiments, for epigenetic studies. The Tecan Freedom EVO 200 liquid handler is devoted to the set-up of high throughput protocols for nucleic acids purification and preparation of real time PCR, ELISA or other assays with a high number of samples in the 96 or 384 well formats. CSAM also supplies the Institute weekly with oligonucleotides, competent cells, solid and liquid bacterial culture media. Services and instruments available can be booked on Labarchives, for another request feel free to contact us at sma.center@szn.it

RI/ Facility participating in an ERIC	YES	ERIC EMBRC www.embrc.eu , www.embrc.it
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ANALYTICS/EXPERIMENTAL INFRASTRUCTURES/FACILITIES

TYPE	SERVICE DESCRIPTION	ADDITIONAL INFORMATION
<i>Technology Platforms</i>	<i>Sanger Sequencing</i>	Sequencing, Fragment analysis, SNPs	
<i>Technology Platforms</i>	<i>NGS sequencing</i>	Total RNA, mRNA, small RNA, Targeted DNA, Small genomes, metabarcoding	ION Torrent Technology
<i>Technology Platforms</i>	<i>Real Time qPCR</i>	Gene expression studies	
<i>Technology Platforms</i>	<i>Droplet digital PCR</i>	Gene expression studies, absolute quantification, low input detection	

ACCESS PROVIDED

The access can be physical, partially remote or remote

- *Remote: the requested facility is operated by the owner's staff the presence of the user team is not required,*
- *Physical (In person/hands-on): the presence of the user team is required/recommended during the whole operation period*
- *Partially remote: the presence of the user team is required at some stage (depending on the user team's activity).*

SPECIAL REQUIREMENTS

Num of access/Call;	5
Max period granted in the year:	3 months
Exclusion Periods in the year:	August, December
Max period granted per single user team (working day; days for R/V)	15
Max num of user team members	2

admitted	
Admin/Safety requirements for the user team (free itemized text)	Knowledge of safety rules for scientific labs
Min # days/months of notice to the RI Resp/PI for preparing the access	1 month
Geographical Areas where RI/facility access is granted to user teams	N/A