



BOARD OF PORT COMMISSIONERS MEETING APRIL 21, 2021

Ventura Harbor
HOME OF THE CHANNEL ISLANDS NATIONAL PARK

- Call to Order
- Roll Call

CLOSED SESSION AGENDA

PUBLIC COMMUNICATION CLOSED SESSION AGENDA ITEMS ON TODAY'S AGENDA

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- Call to Order
- Pledge of Allegiance
- Roll Call

ADMIN AGENDA

ADMIN AGENDA

Adoption of the April 21, 2021, Agenda

Approval of the Minutes of
the April 7, 2021, Regular
Meeting

PUBLIC COMMUNICATION ADMIN AGENDA ITEMS NOT ON TODAY'S AGENDA

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- Closed Session Report
- Board Communications
- Staff and General Manager Reports
- Legal Counsel Report

ADMIN AGENDA

CONSENT AGENDA

- A) Approval of New Retail Lease Agreement for Ghassan Trad and Wafaa Alwarda dba Harbor Market & Liquor

PUBLIC COMMUNICATION CONSENT AGENDA

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**Adoption of Resolution No. 3412 Approving a
Conveyance Agreement and an Installment
Purchase Contract to Refinance the 2008 and
2009 Certificates of Participation as amended
February 1, 2016**

RECOMMENDATION

That the Board of Port Commissioners adopt Resolution No. 3412, approving a Conveyance Agreement and an Installment Purchase Contract, making certain determinations relating thereto: and authorizing certain other actions in connection therewith, to refinance the 2008 & 2009 Certificates of Participation.

STANDARD AGENDA ITEM 1

Report by Brian D. Pendleton,
General Manager

VENTURA PORT DISTRICT
2021 Refunding of 2016 Rate Reset
Summary of Financing
March 18, 2021

City National Bank
(Not Callable)

Anticipated Closing Date	4/29/2021
Cost of Defeasance (1)	5,699,739
Cost of Issuance (2)	56,261
Par Amount	5,756,000
Interest Rate	1.95%
All-In True Interest Cost	2.26%
Final Maturity	8/1/2027

SAVINGS FROM REFUNDING

Existing Average FY Debt Service	901,531
New Average FY Debt Service	875,395
Average FY Savings	26,136
Total Savings	182,951
Net Present Value Savings / %	172,221 / 3.05%

(1) City National Bank would waive the prepayment fee, estimated at \$56,555.

(2) Includes placement agent, lender's legal fee, bond counsel, and rounding/miscellaneous.

PUBLIC COMMUNICATION STANDARD AGENDA ITEM 1

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STANDARD AGENDA ITEM 2

Report by Linda Santschi, Ph.D. &
Ralph Imondi, Ph.D.

Coastal Marine Biolabs Current Activities Update

RECOMMENDATION

That the Board of Port Commissioners receive an update from Coastal Marine Biolabs on their current activities.



Integrative Biosciences Program

at Coastal Marine Biolabs

CMB is a California 501(c)(3) organization that was established in 2006 to transform the way high school students experience science.



visit www.coastalmarinebiolabs.org for more information about CMB's educational programming

Federal Funding Status

CMB is currently supported by a five-year Science Education Partnership Award from the National Institute of General Medical Sciences (NIGMS) at the National Institutes of Health (NIH)

NIGMS is organized into five divisions that support research, research training, and capacity building in a range of scientific fields

The SEPA program supports educational activities that complement or enhance workforce training to meet the nation's biomedical, behavioral, and clinical research needs



Project Period: 07/01/2019 - 06/30/2024
Approved Budget: \$1,162,602



Integrative Biosciences Program
at Coastal Marine Biolabs

Grant activities

Our current effort builds upon an earlier SEPA project that engaged students in authentic, neuroscience-based research experiences hosted in the CMB lab

JSO
JOURNAL OF
STEM
OUTREACH

Vol. 2, April

NeuroLab Research Experiences: Extending the CURE Design Framework into an Informal Science Setting Dedicated to Pre-College STEM Instruction

Ralph Imondi¹, Kristin M. Bass², Ruchita Patel³, and Linda Santschi⁴

¹Coastal Marine Biolabs Integrative Biosciences Institute, Ventura Harbor, CA; ²Rockman et al., San Francisco, CA

Keywords: NeuroLab, Authentic Research Experiences, CURE, Course-based Undergraduate Research Experiences, STEM, Developmental Neuroscience

Publication Date: April 15, 2019

DOI: <https://doi.org/10.15695/jso.v2i1.08>

ABSTRACT: Course-based undergraduate research experiences (CUREs) represent distinctive learning environments that are organized around a well-articulated design framework aimed at broadening student participation in scientific research. Among the published descriptions of CURE models that are currently available in the education research literature, the vast majority have been implemented in four-year institutions of higher learning with undergraduate students. In this programmatic article, we utilize the CURE design framework to characterize a highly structured instructional intervention that engages upper-level high school students in basic research that bridges comparative functional genomics and developmental neuroscience. Our goal is to demonstrate the feasibility of using the CURE framework as a uniform reference point for other informal science programs aimed at making life science research accessible to younger learners. We conclude by discussing preliminary data on the program's effects on students' self-efficacy for conducting scientific research, collaborative abilities and understanding of how scientific knowledge is constructed.

INTRODUCTION

Course-based undergraduate research experiences or CUREs have emerged as a promising strategy to involve all biology learners in conducting scientific research. Although published descriptions of CURE models assume a diversity of forms and target different cognitive, affective, psychosocial, and behavioral outcomes (Dolan, 2016), they are distinguished from more familiar instructional approaches by their ability to engage entire classes of students in generating research findings that accommodate the interests of the scientific community and expand the scientific knowledge base. In this respect, CUREs resemble an integration of independent university internships, which are typically offered by research groups to small numbers of select students who have already developed an interest in science, and more structured university courses that engage significantly larger numbers of students in either prescriptive or inquiry-centered laboratory instruction.

Beyond this basic conceptualization, CUREs are operationally defined by their integration of specific activity-based dimensions that engage students in: 1) science practices; 2) the process of scientific discovery with uncertain outcomes; 3) broadly relevant research that links to a larger body of

knowledge (and that is important to stakeholders outside of the classroom); 4) group collaboration; and 5) iterative work that demonstrates how scientific knowledge is built over time across research groups or projects (Auchincloss et al., 2014; Dolan, 2016). Although the frequency and intensity of the activities encompassed by each dimension exhibit considerable variability across courses, this basic framework establishes uniform standards for CURE development and lays the groundwork for studies aimed at identifying robust linkages between specific design elements and desired learning outcomes (a community-level goal that is currently in its infancy; Auchincloss et al., 2014; Linn et al., 2015).

Our interest in CUREs emerged from a 12-year institutional mission to develop model programs that provide upper-level high school students with early exposure to the daily practice of scientific research and early membership into the scientific community as real data contributors (Santschi et al., 2013; Henter et al., 2016). While elaboration of the CURE framework was intended to guide the design and assessment of CUREs for undergraduate students, we recognized its alignment with our ongoing efforts to make scientific research accessible to precollege students. This

lized in future studies to deepen our understanding of spinal cord assembly.

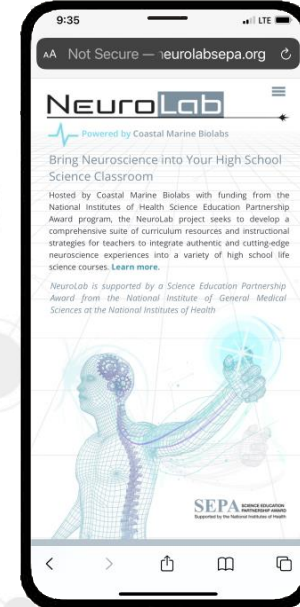
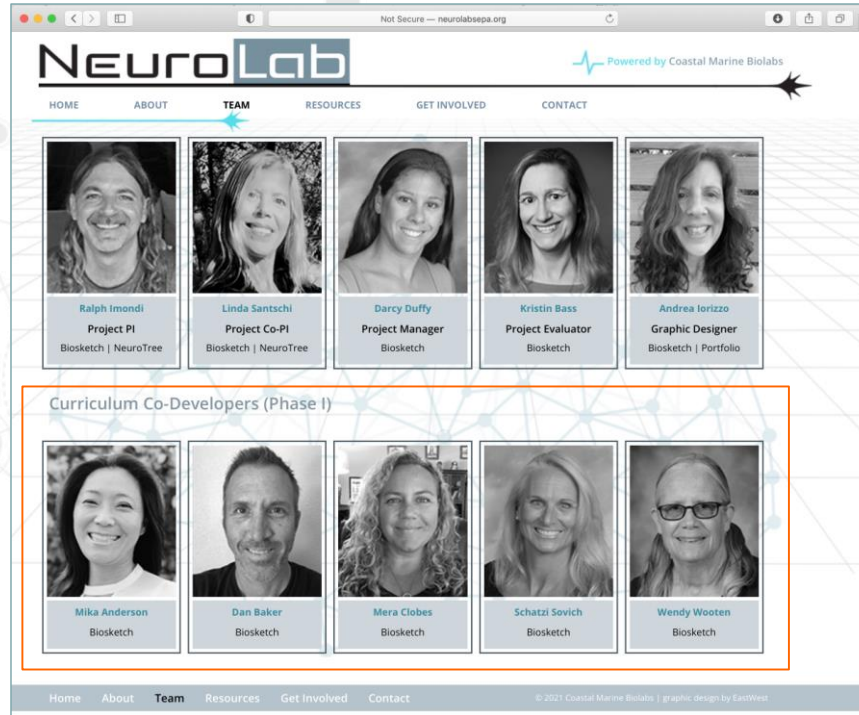
We acknowledge that in its current form, our early-stage CURE model engages a limited number of academically advanced and highly motivated students who have already developed a broad interest in science or medicine (a limitation that we seek to overcome through program iteration in broader educational contexts as discussed below). Extending residential experiences to students with more mixed interests and academic performance histories would undoubtedly



Integrative Biosciences Program
at Coastal Marine Biolabs

Grant activities

NeuroLab 2.0 involves extensive collaborations with local high school science teachers



www.NeuroLabSEPA.org



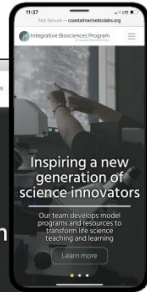
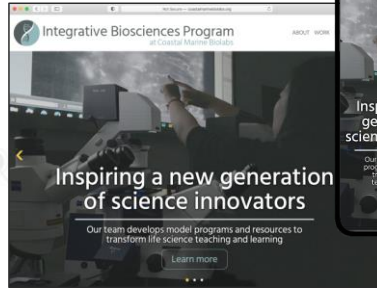
Integrative Biosciences Program
at Coastal Marine Biolabs

Impacts of SARS-CoV-2 on programming

- *Suspended student internship program (expected to resume in fall 2021)*
- *Suspended summer residential research experiences (expected to resume in July 2022)*
- *Adopted virtual format for curriculum development workshops hosted in connection with NIH SEPA project (will resume in-person or hybrid workshops in summer 2021)*



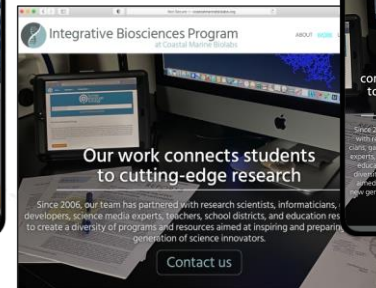
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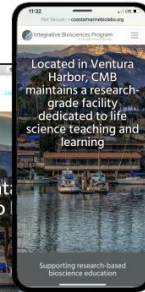
About



Work



Lab



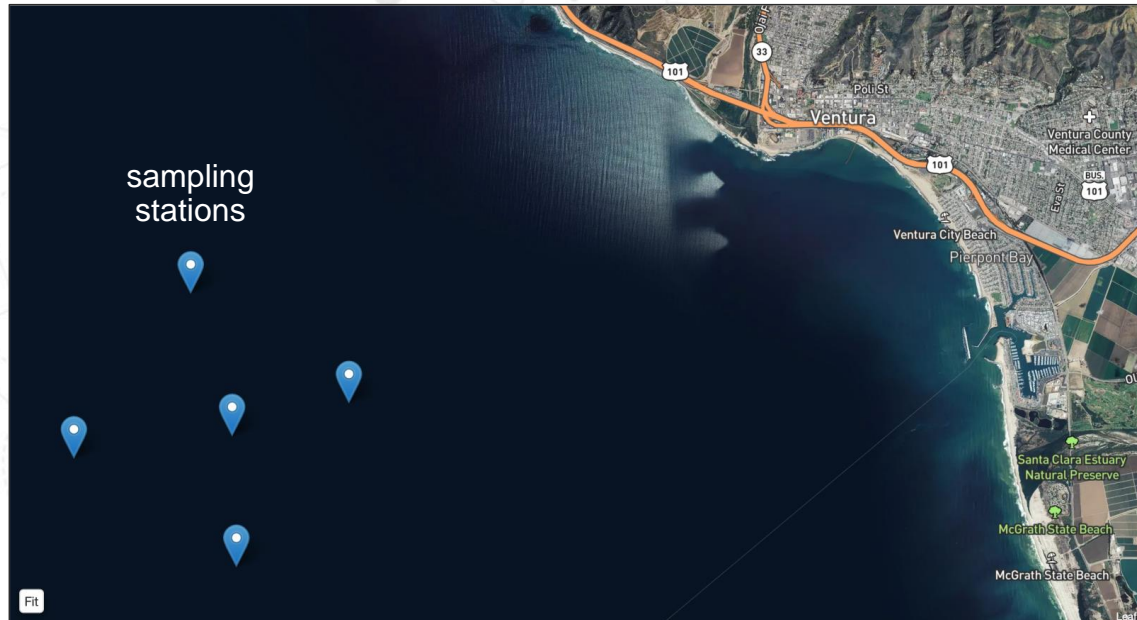
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Collaboration with the VPD on NOAA SeaGrant

CMB is implementing a baseline biotoxin monitoring program developed in consultation with the FDA

The program involves the collection of data from five sampling stations within the formerly proposed growing area



Collaboration with the VPD on NOAA SeaGrant

CMB is implementing a baseline biotoxin monitoring program developed in consultation with the FDA

Enumeration of biotoxin-producing phytoplankton from water samples taken at sampling sites via vertical tows



*vertical phytoplankton
tow in field*



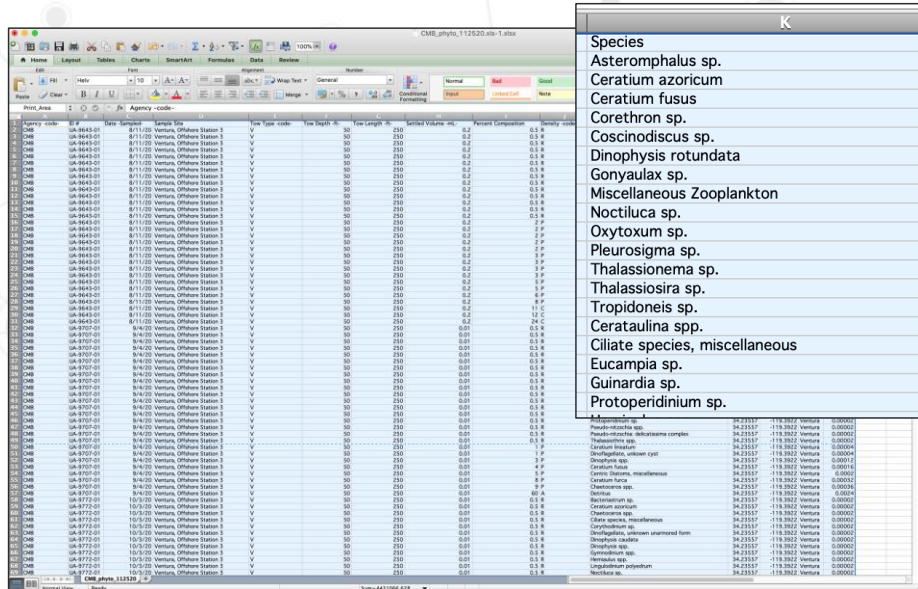
*microscopic analysis of phytoplankton in the CMB
lab (Utermöhl sedimentation method)*



Collaboration with the VPD on NOAA SeaGrant

CMB is implementing a baseline biotoxin monitoring program developed in consultation with the FDA

CDPH is conducting independent counts of duplicate phytoplankton samples obtained from the center site and shipped to the Richmond lab



Species	K	L	M	N	O
Species	Latitude	Longitude	County	RA Index	
Asteromphalus sp.	34.23557	-119.3922	Ventura	0.0004	
Ceratium azoricum	34.23557	-119.3922	Ventura	0.0004	
Ceratium fusus	34.23557	-119.3922	Ventura	0.0004	
Corethron sp.	34.23557	-119.3922	Ventura	0.0004	
Coscinodiscus sp.	34.23557	-119.3922	Ventura	0.0004	
Dinophysis rotundata	34.23557	-119.3922	Ventura	0.0004	
Gonyaulax sp.	34.23557	-119.3922	Ventura	0.0004	
Miscellaneous Zooplankton	34.23557	-119.3922	Ventura	0.0004	
Noctiluca sp.	34.23557	-119.3922	Ventura	0.0004	
Oxytoxum sp.	34.23557	-119.3922	Ventura	0.0004	
Pleurosigma sp.	34.23557	-119.3922	Ventura	0.0004	
Thalassionema sp.	34.23557	-119.3922	Ventura	0.0004	
Thalassiosira sp.	34.23557	-119.3922	Ventura	0.0004	
Tropidoneis sp.	34.23557	-119.3922	Ventura	0.0004	
Cerataulina spp.	34.23557	-119.3922	Ventura	0.0016	
Ciliate species, miscellaneous	34.23557	-119.3922	Ventura	0.0016	
Eucampia sp.	34.23557	-119.3922	Ventura	0.0016	
Guinardia sp.	34.23557	-119.3922	Ventura	0.0016	
Protoperdinium sp.	34.23557	-119.3922	Ventura	0.0016	



Collaboration with the VPD on NOAA SeaGrant

CMB is implementing a baseline biotoxin monitoring program developed in consultation with the FDA

Detection of biotoxins in tissue obtained from mussel sentinels grown within the farming area



mussels affixed to fuzzy rope of sentinel line (center station)



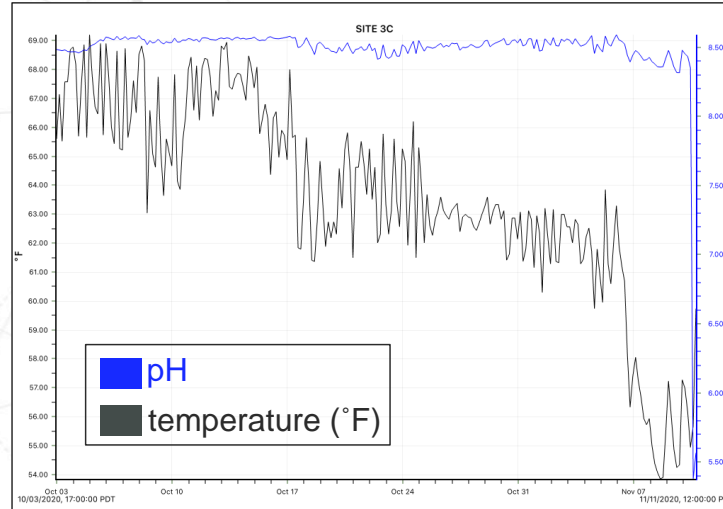
Collaboration with the VPD on NOAA SeaGrant

CMB is implementing a baseline biotoxin monitoring program developed in consultation with the FDA

The collection of physical data (pH and temperature) at sampling sites



*submersible data logger
affixed to leader above
fuzzy rope*



*graph of raw pH and temperature data
downloaded from logger*



Emerging collaboration with the LAUSD

CMB is collaborating with the LAUSD on a new Career Technical Education course that crosscuts two prominent CA industry sectors

*Health Science and Medical Technology
(Biotechnology | Public and Community Health)*



*Agriculture and Natural Resources
(Agriscience | Forestry and Natural Resources)*



The new course will emphasize the science and public health safety aspects of the baseline biotoxin monitoring project



Integrative Biosciences Program
at Coastal Marine Biolabs

PUBLIC COMMUNICATION STANDARD AGENDA ITEM 2

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Approval of 2021 Lifeguard Service Contract

RECOMMENDATION

That the Board of Port Commissioners authorize the General Manager to enter into a contract with State Parks to provide Lifeguard Services from mid-May 2021 through Labor Day 2021 at Harbor Cove and Surfers Knoll beaches for \$136,802.37.

STANDARD AGENDA ITEM 3

Report by John Higgins,
Harbormaster

PUBLIC COMMUNICATION STANDARD AGENDA ITEM 3

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Alarm

STANDARD AGENDA ITEM 4

Report by Todd Mitchell,
Business Operations Manager

Approval of a Professional Services Agreement with Photo-Scan of Los Angeles, Inc. for Security System Monitoring and Service

RECOMMENDATION

That the Board of Port Commissioners approve a Professional Services Agreement with Photo-Scan of Los Angeles, Inc. in the amount of up to \$50,000 for upgrades and maintenance of the District's door lock and camera security systems.

PUBLIC COMMUNICATION STANDARD AGENDA ITEM 4

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**Ventura Port District Operations as it relates to
COVID-19**

RECOMMENDATION

That the Board of Port Commissioners receive an
update on:

- a) The COVID-19 Ventura Harbor Rental
Abatement and Deferment Program; and,
- b) Status of Ventura Port District operations.

**STANDARD
AGENDA
ITEM
5**

**Report by Brian D. Pendleton,
General Manager**

PUBLIC COMMUNICATION STANDARD AGENDA ITEM 5

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VENTURA
PORT DISTRICT

Established 1952

ADJOURNMENT
NEXT MEETING MAY 5, 2021

Ventura Harbor

HOME OF THE CHANNEL ISLANDS NATIONAL PARK