

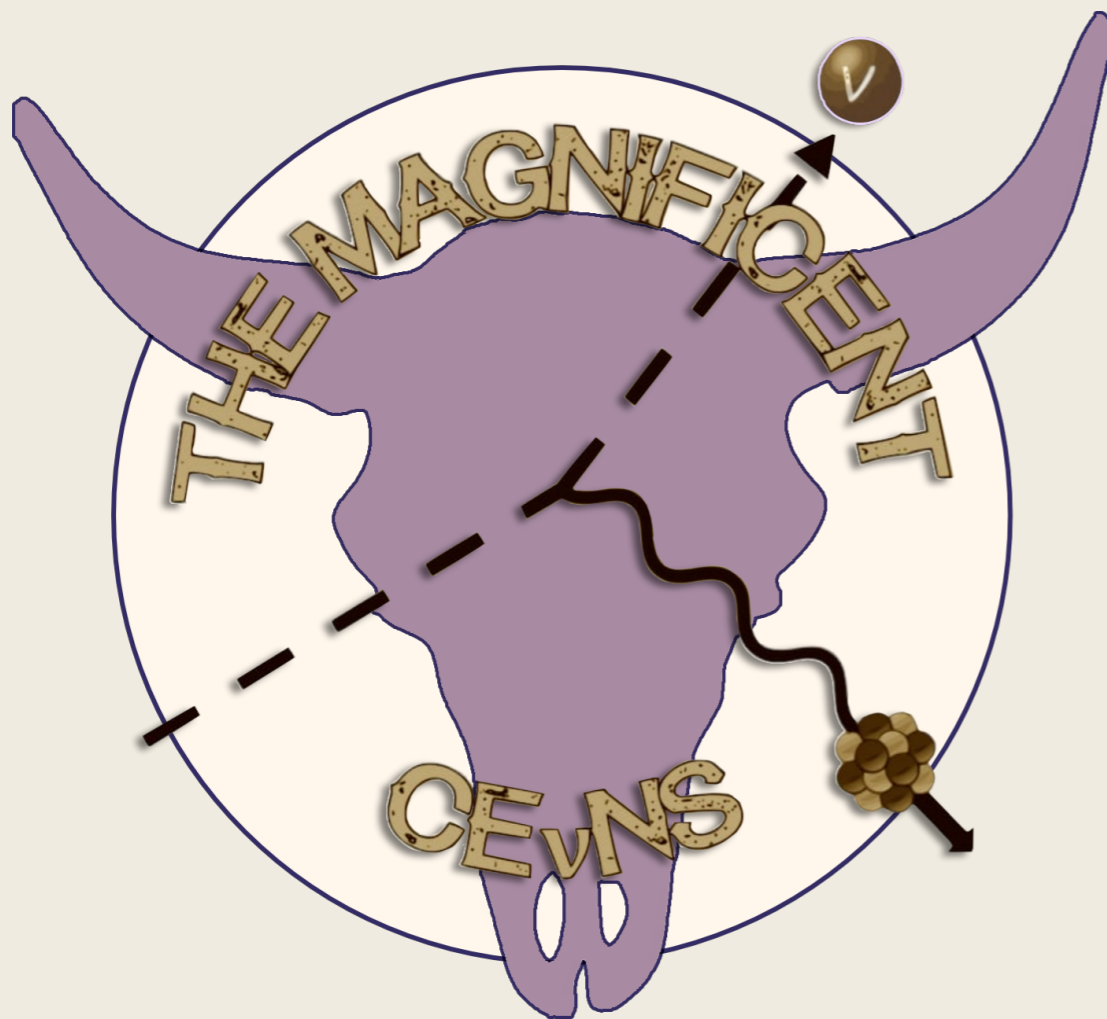


6th Magnificent CEvNS Workshop

Valencia, 12-14 June 2024

ADEIT - University-Enterprise Foundation of the University of Valencia

<https://indico.cern.ch/event/1342813>



Previous editions:

- 2018: Chicago, IL (US)
- 2019: Chapel Hill, NC (US)
- 2020: Cyberspace
- 2021: Cyberspace
- 2023: Munich (Germany)

Magnificent CEvNS

This is the sixth iteration of the Magnificent CEvNS workshop, focusing on the process of **coherent elastic neutrino-nucleus scattering** (CEvNS).

Proposed in 1974, but unobserved until 2017, the physics accessible with CEvNS is extensive. Magnificent CEvNS aims to bring together a broad community of researchers working either directly or peripherally on CEvNS to foster enriching discussions, direct the field as it continues to grow, and form and strengthen connections between experimentalists and theorists/phenomenologists.

Committees

International Advisory Committee

Phillip Barbeau

Matthew Green

Janina Hakenmüller

Diane Markoff

Grayson Rich

Kate Scholberg

Raimund Strauss

Louis Strigari

Victoria Wagner

Local Organizing Committee



Valentina De Romeri
(IFIC, CSIC/UV)



Martín González-Alonso
(IFIC, CSIC/UV)



Sergio Palomares-Ruiz
(IFIC, CSIC/UV)



Mariam Tórtola
(IFIC, CSIC/UV)



Diego Aristizabal
(UTFSM, Chile)



Gonzalo Sánchez
(IFIC, CSIC/UV)

Scientific secretaries

If you need help, have questions, or require assistance you can ask to:



Agnese Tolino
(IFIC, CSIC/UV)



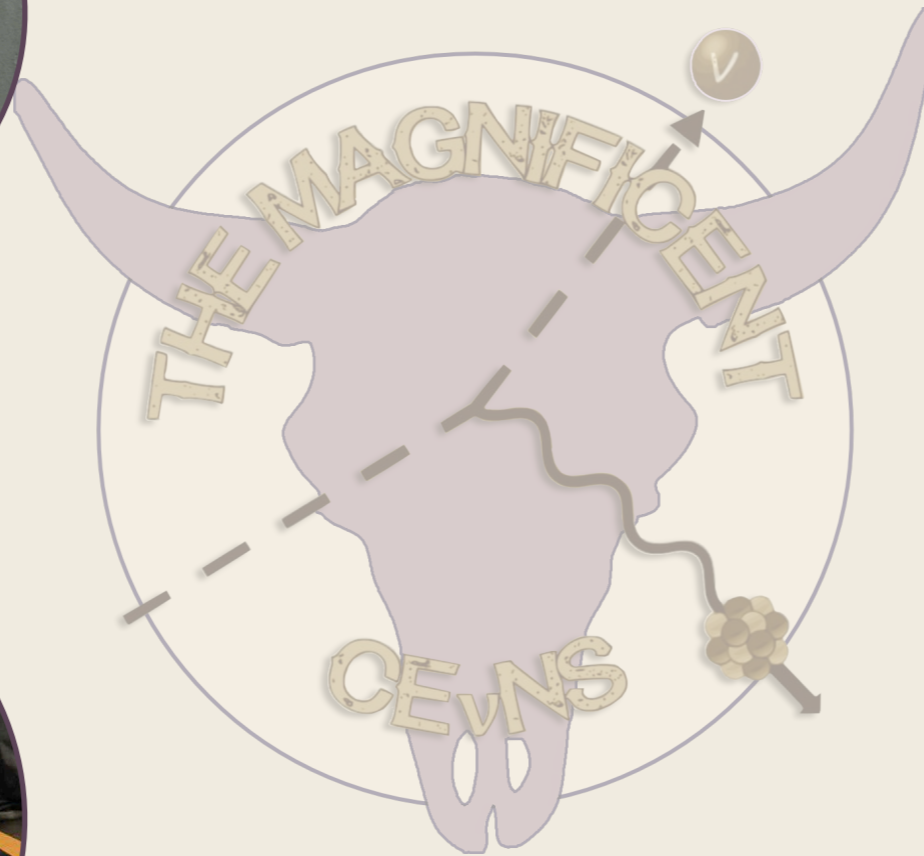
Ana Martín Galán
(IFIC, CSIC/UV)



Adrián Terrones
(IFIC, CSIC/UV)



Pablo Muñoz Candela
(IFIC, CSIC/UV)

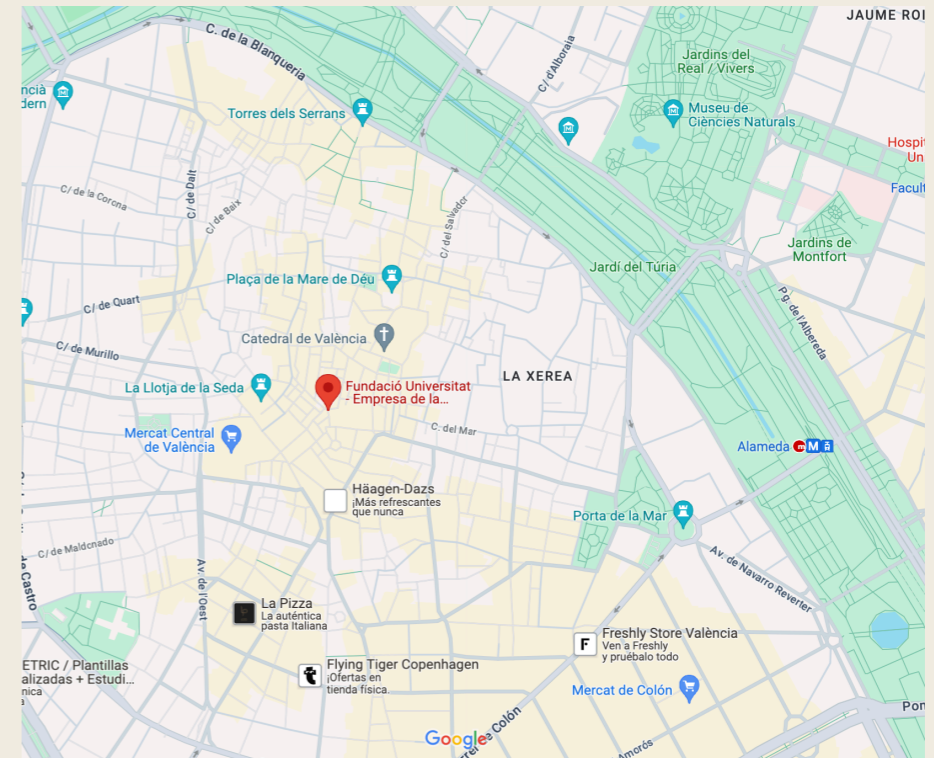






Venue

The workshop takes place at the University-Enterprise Foundation of the University of Valencia (ADEIT), located in the historic center of the city of Valencia.

ADEIT is located next to Santa Catalina Church and in front of Lope de Vega Square.



Scientific Program

WEDNESDAY, JUNE 12			THURSDAY, JUNE 13			FRIDAY, JUNE 14		
09.00-09.20	WELCOME		09.00-10.40	TALKS	KAIXIANG NI ERIC VAZQUEZ-JAUREGUI HENRY WONG NICOLAS MARTINI IRINA NASTEVA	09.20-11.00	TALKS	YOUNG JU KO DAVID CARATELLI FRANCESC MONRABAL HANS TH. J. STEIGER LAYOS DANIEL
09.20-11.00	TALKS	MATTEO CADEDDU FRANCESCA DORDEI JAVIER MENÉNDEZ OMAR MIRANDA BHASKAR DUTTA						
11.00-11.30	COFFEE & GROUP PHOTO		10.40-11.10	COFFEE		11.00-11.45	COFFEE	
11.30-13.10	TALKS	DIANA PARNO RYAN BOUABID JANINA HAKENMÜLLER ELISABETTA BOSSIO RUPAK MAHAPATRA	11.10-12.50	TALKS	DIMITRIOS PAPOULIAS CIARAN O'HARE M. ELISE MCCARTHY BRIAN LENARDO DINESH LOOMBA	11.45-13.00	TALKS	PATRICK HUBER IGOR BERNARDI CHLOÉ GOUPY LITAO YANG TYLER JOHNSON
13.10-15.00	LUNCH		12.50-14.30	LUNCH		13.00-14.30	LUNCH	
15.00-16.30	TALKS	DAVID CERDEÑO CHRISTOPH A. TERNES PABLO MUÑOZ CANDELA YUFENG LI JOAO PAULO PINHEIRO YONG DU	14.30-16.30	DISCUSSION PANEL		14.30-16.00	TALKS	AUSTIN SCHNEIDER MATHEUS HOSTERT NICOLA CARGIOLI ELI MYGATT WARD MAJD GHREAR ANIRBAN MAJUMDAR
16.30-17.00	COFFEE		16.30-17.00	COFFEE		16.00-16.30	SUMMARY TALK - THEORY	PILAR COLOMA
17.00-17.30	TALKS	OLGA RAZUVAEVA ALEXEY KONOVALOV	17.00-18.00	TALKS	MATTIA ATZORI CORONA CHENGUANG SU XILEI SUN WOUTER VAN DE PONTSEELE	16.30-17.00	SUMMARY TALK - EXPERIMENTS	MATTHEW GREEN
17.30-18.15	LIGHTNING TALKS		20.30-23.00	SOCIAL DINNER SUBMARINE RESTAURANT OCEANOGRÀFIC VALENCIA		17.00-17.30	FINAL REMARKS	
18.15-20.00	POSTER SESSION & WELCOME RECEPTION							



Please check the Indico for recent updates!

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11.30-13.10	TALKS	DIANA PARNO RYAN BOUABID JANINA HAKENMÜLLER ELISABETTA BOSSIO RIM KIMURA	11.10-12.50	TALKS	DIMITRIOS PAPOULIAS CIARAN O'HARE M. ELISE MCCARTHY BRIAN LENARDO ALEXANDER V. ZHIBANOV	11.30-13.00	TALKS	PATRICK HUBER IGOR BERNARDI CHLOÉ GOUPY LITAO YANG TYLER JOHNSON XIANG-XIANG
13.10-15.00	LUNCH		12.50-14.30	LUNCH		13.00-14.30	LUNCH	
15.30-16.30	TALKS	CHRISTOPH A. TERNES PABLO MUÑOZ SANDELA JING JOAO PAULO PINHEIRO YONG DU	14.30-16.30	TALKS	ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE	15.30-16.30	TALKS	ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE ANDREW D. BRUCE
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18.15-20.00	POSTER SESSION & WELCOME RECEPTION					6th Magnificent CEvNS Workshop (Valencia, 12-14 June 2024)		

Check the allotted time and duration for your talk.

Please update the PDF of your talk on Indico at least one day before your talk!



Please check the Indico for recent updates!



Lunches

Lunches are included in the fee and will be served at ADEIT in the terrace and room on the 4th floor.

On Wednesday and Friday, they will be buffet-style. On Thursday, lunches will be served at tables.

Those of you with special requests and/or allergies: please inform the catering staff!



Poster session and welcome cocktail

Poster presenters are also expected to give “lightning talks” of 5 minutes.

The “lightning talks” session will start at 5:30 pm on Wednesday 12 June.

The poster session will start at 6:15 pm in a nearby room.

The maximal recommended size of posters is **0.9 m x 1.20 m** and the orientation of the poster must be portrait.

Just after the poster presentations, a **welcome cocktail** with food and drinks will be served.

Neutrino Science Opportunities at the High Flux Isotope Reactor ADEIT Salón de actos	Jason Newby 17:30 - 17:35
Exploring the Advantages of an Undoped, Cryogenic CsI Detector for CEvNS Experiments at the SNS with COHERENT Charles Prior	🔗
Bounds on new physics with data of the Dresden-II reactor experiment and COHERENT ADEIT Salón de actos	Leire Larizgoitia 17:40 - 17:45
COLINA: Conical liquid noble gas apparatus for CEvNS detection ADEIT Salón de actos	Dr Ander Simón Estévez 17:45 - 17:50
Module 2 of the COHERENT D2O Detector ADEIT Salón de actos	Gen Li et al. 17:50 - 17:55
Sensitivity Studies and Experimental Reach for Ge-mini, a COHERENT CEvNS Detector ADEIT Salón de actos	Emma van Nieuwenhuizen 17:55 - 18:00
A new data analysis tool for NUCLEUS and first results from the commissioning phase ADEIT Salón de actos	Lilly Charlotte Peters 18:00 - 18:05
Update on the COHERENT multi-ton, NaI detector array, NaIvETe ADEIT Salón de actos	Nixon Ogoi 18:05 - 18:10
ANALISIS OF COHERENT EXPERIMENT WITH RH-ν IN THE EFT FORMALISM ADEIT Salón de actos	Sergio de la Cruz 18:10 - 18:15
Poster Session and Welcome Reception	



Social dinner

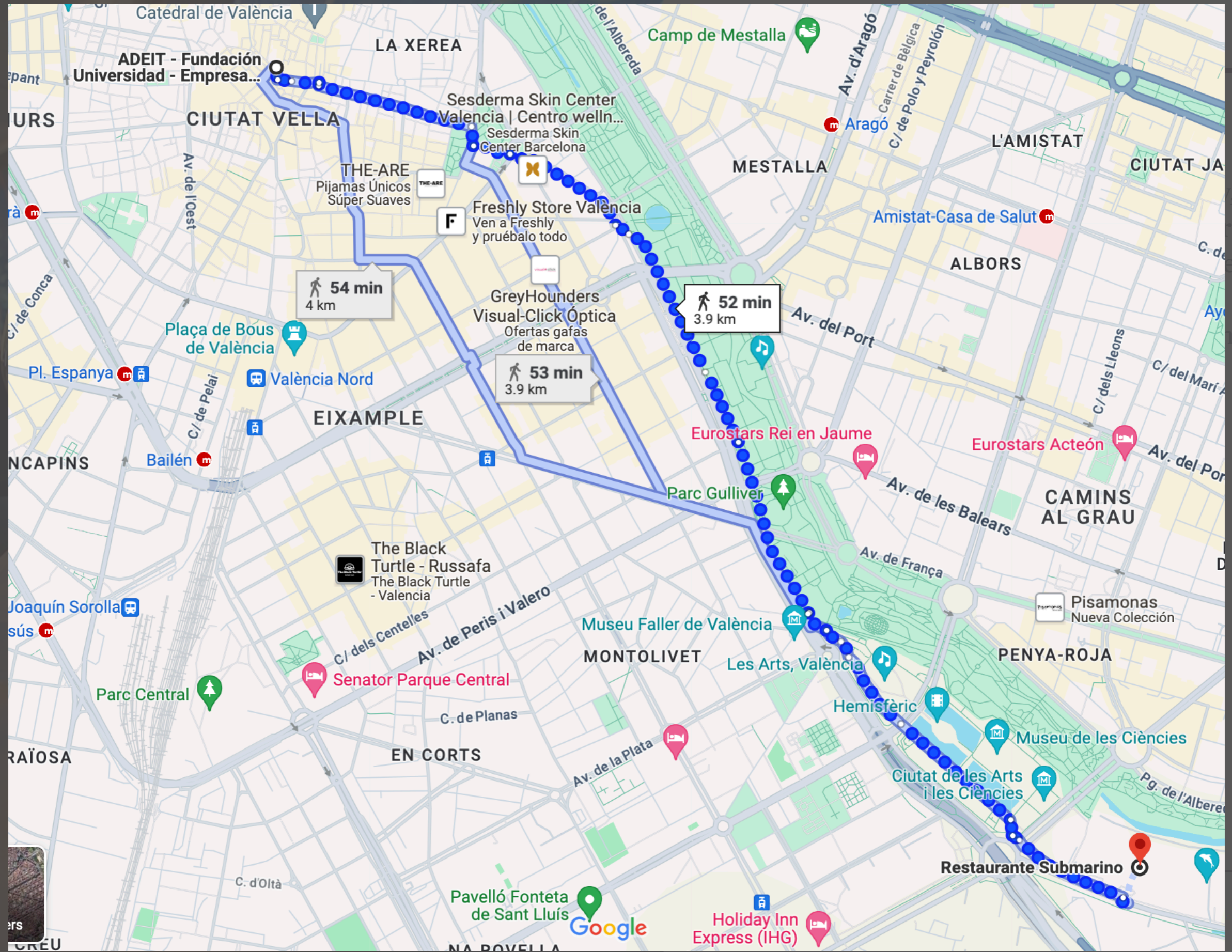
The workshop dinner will be held on Thursday, 13th of June in the amazing location of **Restaurante Submarino**. It is an emblematic building of the Oceanogràfic of Valencia. Its most exceptional feature is the circular aquarium surrounding the restaurant.

If you have special diet requests, bring your identification ticket.

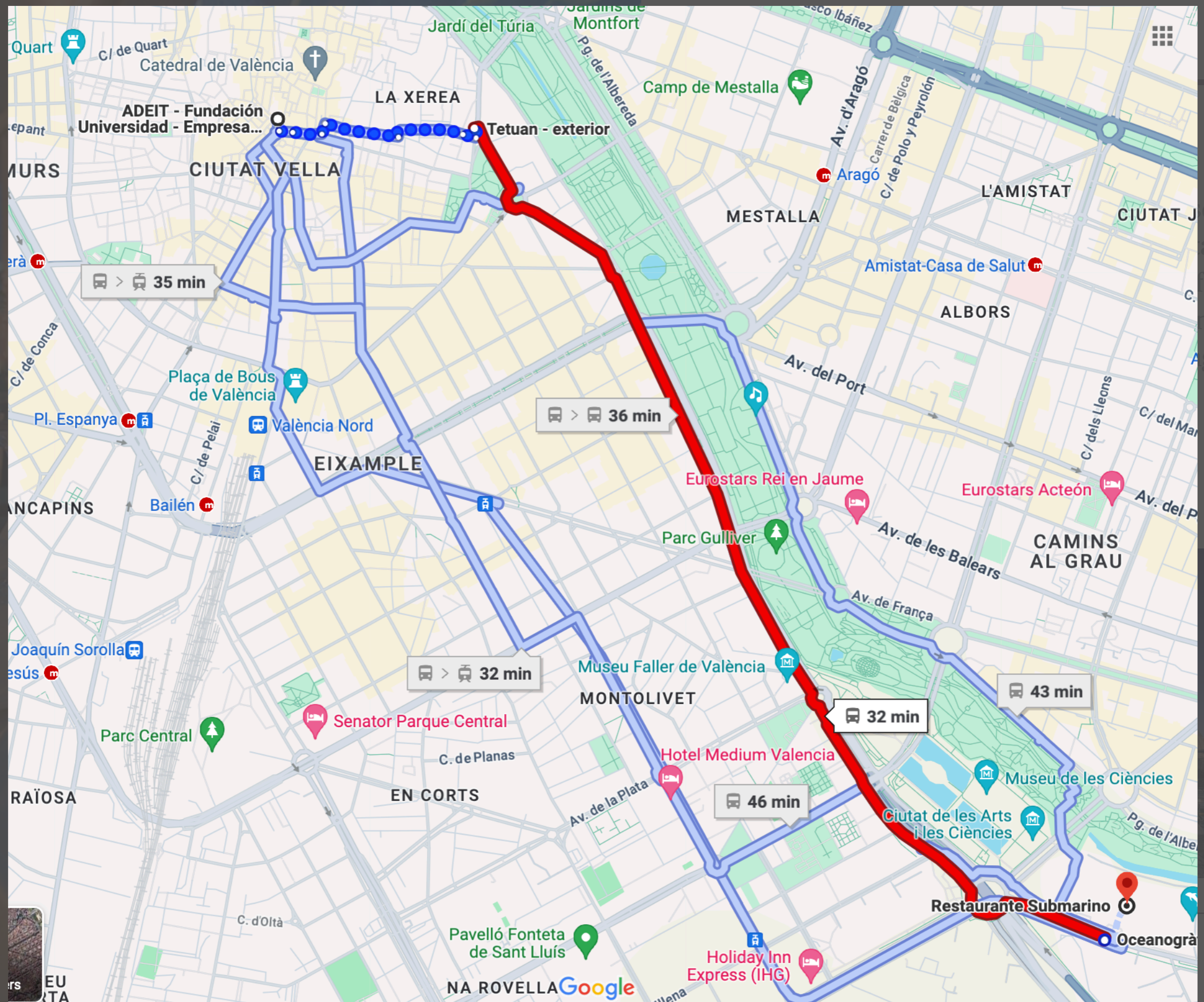
- **8.30 pm: welcome drink**
- **9:00 pm: dinner**



Option 1: walking



Option 2: bus nº 95

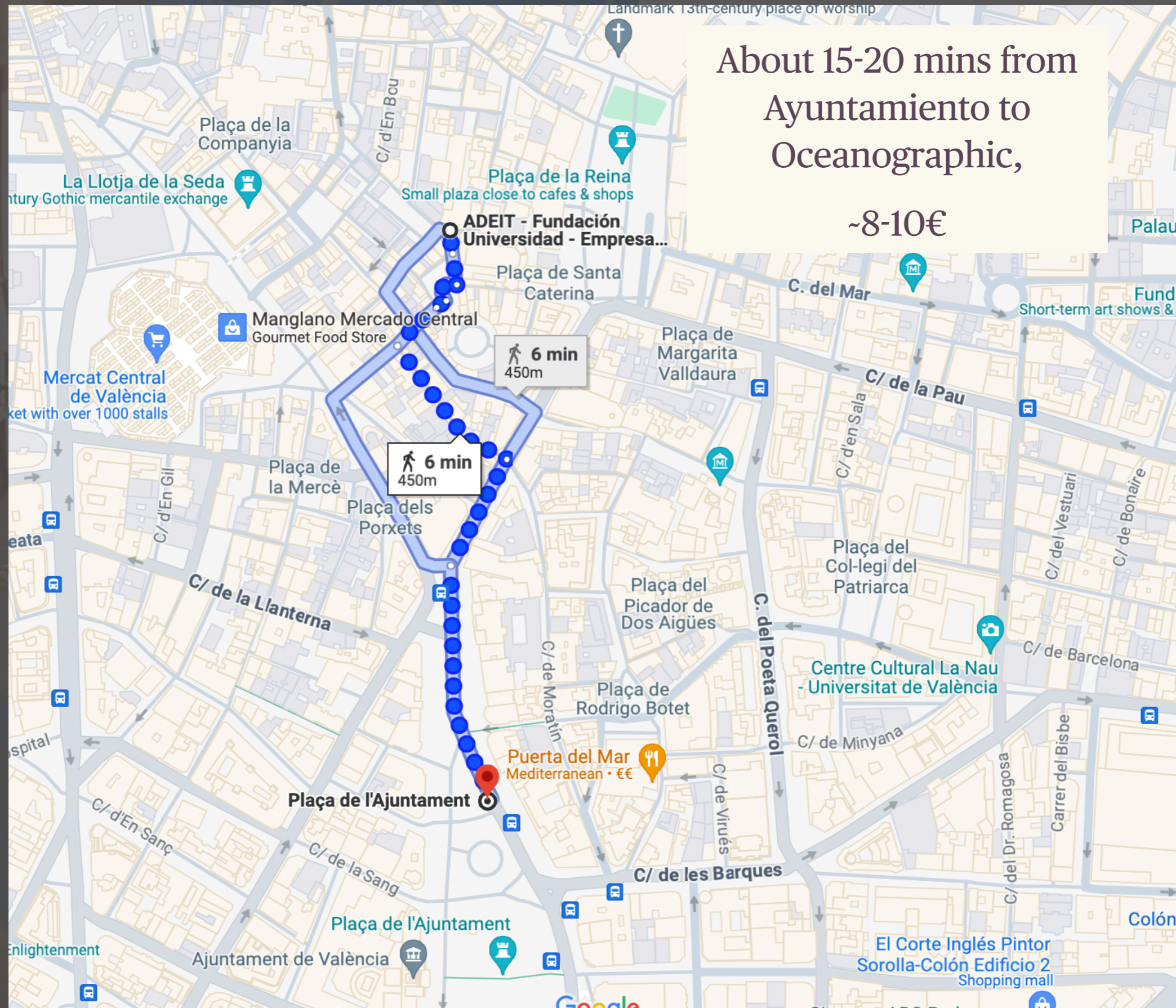


Day,
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Option 3: taxi

About 15-20 mins from Ayuntamiento to Oceanographic,

~8-10€



Thursday,
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- Carolina Gil (ADEIT)
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- Marisa Hernando (IFIC)
- All the IFIC administration

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Funding agencies

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- GVA Research Project **CIDEXG/2022/20** (PI: Valentina De Romeri)
 - GVA Research Project **CIDEGENT/2018/014** (PI: Martín González-Alonso)
 - AEI Research Project **CNS2023-144124** (MCIN/AEI/10.13039/501100011033 and “Next Generation EU”/PRTR) (PI: Valentina De Romeri)
 - **Instituto de Física Corpuscular (IFIC CSIC-UV)**
 - **Theoretical Physics Department of the University of Valencia**
-