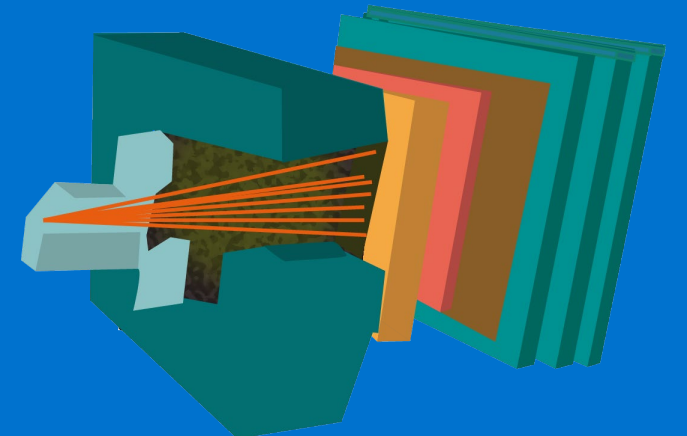
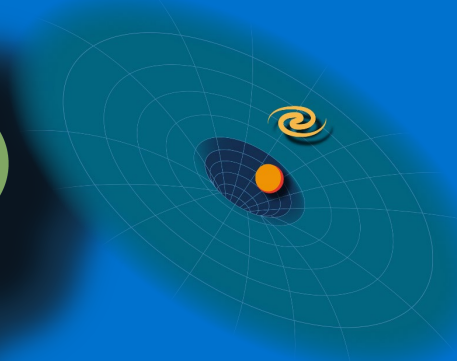
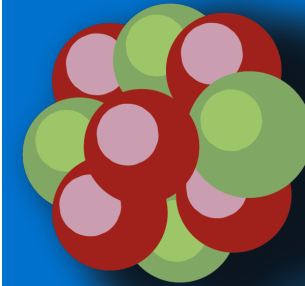
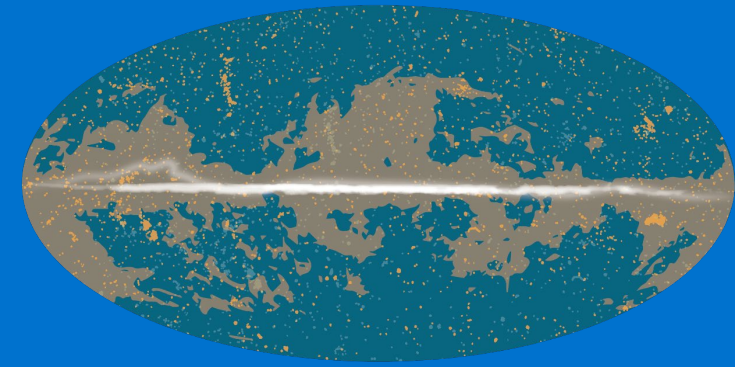


How can we help?

Esther Pallares Guimera
Institute of Cosmos Sciences



First of all, who are we?



Anna Argudo

Scientific office - V504



Míriam Gutiérrez

Administrative office - V504



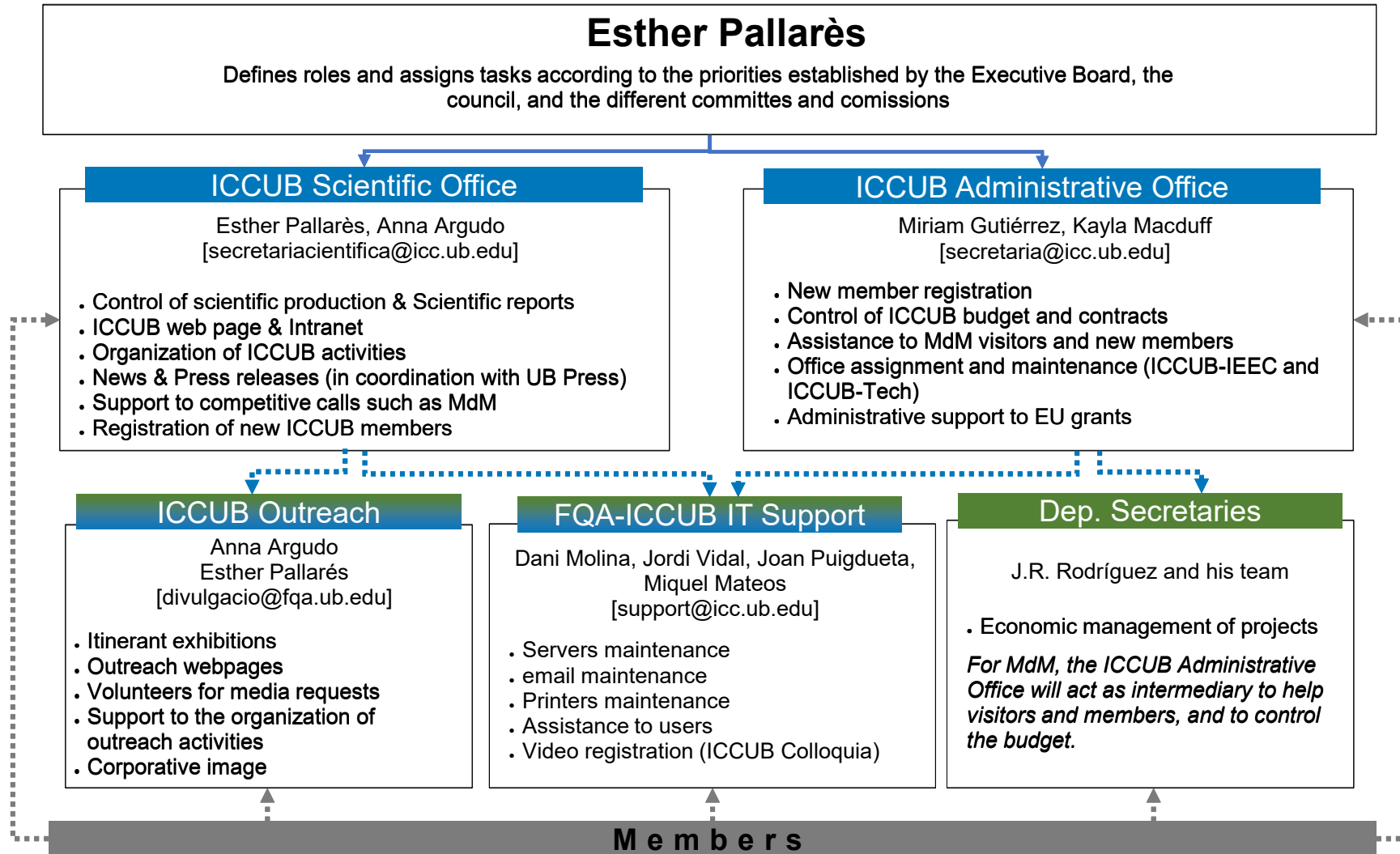
Kayla MacDuff



Esther Pallarés

Scientific office - V504

Administrative support



Our webpage and intranet

ABOUT US ▾ RESEARCH ▾ JOIN US ▾ NEWS ▾


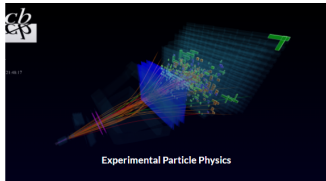
Research Areas

The ICCUB is one of the few centres around the world devoted to cosmology from the viewpoint of both particle physics and astrophysics. Our research is largely driven by the following fundamental questions:

- What are the origin and fate of the Universe?
- Which are the ultimate constituents of the Universe?
- Why does the Universe have its present appearance?

These questions reveal the intimate connection between particle physics and astrophysics and therefore demand a multidisciplinary approach. Research at ICCUB intends to tackle them from a theoretical, observational and experimental viewpoint.

Images credits: Eduard Masana / CERN / ESA Gaia DPAC, A. Khalatyan (AIP) & StarHorse team / NASA /MAGIC Collaboration

JOB OFFERS

The ICCUB is an interdisciplinary centre with more than 70 long term scientists, 20 engineers and 80 postdoctoral researchers (55% international) and PhD students (30% international) offering an international and multicultural environment. The ICCUB also hosts a vibrant fundamental research program in cosmology, astrophysics and particle physics, with a strong technology unit supporting our participation in international collaborations in observational astronomy and experimental particle physics.

As part of the University of Barcelona, it is a recipient of the **European Commission's HR Excellence in Research (HRS4R) Award**, which recognises, among other achievements, respect for equal opportunities and the capacity to attract talent in a positive working environment that promotes the pursuit of successful research careers. The ICCUB respects the principles of open, transparent, merit-based selection.

The ICCUB is located in Barcelona, considered the **8th World's Best Cities 2021**: one with near-perfect weather year-round, miles and miles of beaches, iconic parks, striking architecture and colourful neighbourhoods that march to their own beat—artistic, sophisticated, bohemian. Moreover, it is a pole of attraction for the technology sector, a top choice to establish a company in this sector, and it hosts some of the world's major technological events, such as the Mobile World Congress and the Smart City Expo. In addition, Barcelona and its metropolitan area is a leading destination on the map of global technological ecosystems and has infrastructures such as science parks, universities and the 22@ district.

F. Xavier Luri Carrascoso
Academic staff



FIELD OF RESEARCH | Galaxy Structure and Evolution
EMAIL | xluri@iccub.edu
PHONE | 934039834
OFFICE | 7.13

A tenured lecturer in the Department of Quantum Physics and Astrophysics at the University of Barcelona (UB), he teaches and supervises PhD theses. He is also director of the University of Barcelona Institute of Cosmos Sciences (ICC-UB/IEEC). His field of space missions, especially the Gaia mission of the European Space Agency, which will produce a 3D map of our galaxy of 1 billion stars, a project for which he was one of the proponents. He is a member of the executive committee of the Gaia Data Release Consortium (DPAC) and is joint head researcher in the Barcelona Gaia group. He enjoys popularising science as a speaker, also as a member of the Big Van Science group. Since 2013 he has been a founder-member of the data services company Dataspace, at the Polytechnic University of Catalonia (UPC), in which he is a scientific consultant and business adviser.

LINES OF RESEARCH

- Structure and dynamics of the Milky Way
- Luminosity calibrations
- Scientific High Performance Computing
- Big Data and Data mining

Outreach

The ICCUB outreach team manages two websites devoted to Cosmology, Astrophysics and Particle physics. You can find all of our researcher's talks and outreach events, ongoing and past projects, dissemination news and several outreach materials. Do you want to know, for instance, what **The Christian or Western calendar is?** Take a look into our outreach websites!

erviAstrò
Find Astronomy and Cosmology news, activities and events. You can also find several outreach resources and materials such as travelling exhibitions and videos. We'll also keep you updated on the astronomical agenda, live webcast of astronomical events as eclipses and planetary transits!

ServiParticules
Outreach resources and materials on Cosmology, Particle Physics, Gravitation and Atomic & Nuclear Physics. Find past and upcoming activities, workshops and talks, dissemination news and articles. You will also find a Project section, that includes the Workshop on Particle Physics.

In science
What is the origin of the Universe?

Quantum computing: present and future of a technological revolution



CONFERENCE

Quantum computing: present and future of a technological revolution

DATE | 16/02
PLACE | Aula Magna Enric Casassas, Physics Faculty

Alba Cervera Lierta, a Senior Researcher at the Barcelona Super Computing Center (BSC-CNS) and Quantum Information doctor by the University of Barcelona, will offer a talk on Quantum Computing at the Physics Faculty of the UB next **Wednesday, February 16**.

Dr Cervera is the coordinator of the national project **Quantum Spain**, a 22M€ project that will install a quantum computer at the BSC and give access to the community through the Red Española de Supercomputación. In this talk, she will review the principles of quantum computing, its potential applications and present the Quantum Spain project which will help promote Spain's quantum computing ecosystem and position the Spanish quantum community at the front of this technological revolution.

Doctoral studies - PhD program

The Institute of Cosmos Sciences offers the opportunity to work on two lines of research, **Astronomy and Astrophysics**, and **Cosmology**, where you can develop your doctorate under the direction of leading researchers.

At the Institute you will find all the tools and support to carry out your project in an international working environment, in which the dissemination of your work is encouraged.

The doctoral program is managed by the University of Barcelona. However, we encourage you to directly contact the researchers interested in working with.

The Institute of Cosmos Sciences of the University of Barcelona is a research centre accredited with the Spanish Seal of Excellence (SEUR) which enables us to be a host institution for the doctoral fellowship programme INPHINIT "la Caixa":

DOCTORAL FELLOWSHIP PROGRAMME INPHINIT "LA CAIXA"

MORE INFORMATION:

- Doctoral School
- Doctoral Program in Physics
- Admission
- Fellowships

Intranet

- Home
- My profile
- Register new members
- Maria de Maeztu calls
- Official documents
- Corporate Image
- Welcome to the ICCUB
- Life at the ICCUB
- COVID-19
- Research output
- Internships
- Hiring process
- ▼ Doctorate School
- ▼ Research career in Spain
- How to sign a contract?
- ▼ Outreach
- Travel Arrangements

Welcome to the ICCUB

Information for new UB teaching and research staff

Home hunting

- UB's webpage: [Library@LibGuide](#)
- [Barcelona Centre Libreria](#)

ENTRANCE CARD

If you ever need to enter the faculty after hours or in weekends, you will have to send to vicent@icccub.cat

- The [copy](#) filed

WIFI

name: [ccub@icccub.cat](#) / [wifilibuub](#)

username: remember your UB email icccub@icccub.cat. The username is just the [www.username](#)

Life at the ICCUB

- Zero tolerance with harassment and sexist behaviours
- Stack channels
- Training courses

Zero tolerance with harassment and sexist behaviours

Què entenem per "assessorament sexual"?

S'entén per situació d'assetjament sexual, per raó de sexe, identitat de gènere i orientació

Què entenem per "altres conductes masculinistes"?

Són conductes diferents de l'assetjament però també relacionades amb el sexe.

Research outputs

- How should I sign a paper?
 - If you are a member of the IECC as well:
 - Dept. Física Quàntica i Astrofísica, Institut de Ciències del Cosmos (ICCUB), Facultat de Física, Universitat de Barcelona, Martí i Franqués, 1, E08028 Barcelona, Spain
 - Dept. Física Quàntica i Astrofísica, Institut de Ciències del Cosmos (ICCUB), Facultat de Física, Universitat de Barcelona (IECC-UB), Martí i Franqués, 1, E08028 Barcelona, Spain
- Acknowledge Maria de Maeztu funding

acknowledges financial support from Grant CEX2019-000918-M funded by MCIN/AEI/10.13039/501100011033
- Open Access

Always publish the **accepted version** for publication in the ArXiv or repository if the article isn't published in an open access journal.


- How can I consult papers?

First, you should install the **SIRE** button on your browser or device. Check this [webpage](#) to learn how you can install it. Another option is to install [Library Access](#).

ICCUB's intranet

How to sign a contract?

POSTDOCTORAL RESEARCHERS



Postdocs from the EU

- You will have to get a NIE number (Certificado de Registro de Ciudadano de la Unión)
- Get the Social Security Number
- Open a Bank Account
- Empadronamiento

Postdoc NOT from the EU

- The candidate should provide us with the following documentation:
 - Passport scanned with all pages, even the ones that are blank
 - CV

Doctorate School

Useful links

Doctorate School

Physics Faculty website

Physics Faculty website (Catalan)

Rules

Research lines

Legislation

Specific rules from the Physics Faculty

Deadlines

Calendari de tràmits acadèmics **Doctorat**

Codi de colors: Tots els alumnes de doctorat ■ Només alumnes de primer any ■ Només alumnes de 2n any i posteriors

Hiring process

PREDOCTORAL STUDENTS

IMPORTANT: all predoctoral researchers must be accepted to the Doctorate School in order to sign their contract. For more information, please visit the [Doctorate School page](#).

- [Rules](#)
- [Process](#)

Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte	Tipus de contracte

[Informació general](#)



Maria de Maeztu calls

- [Workshops Call](#)
- [Visitors Call](#)

WORKSHOPS

The ICCUB calls for proposals for grants on the organization of activities (conferences, meetings, courses) by ICCUB groups. The proposals can include a request for financial aid thanks to the Institut de Ciències del Cosmos project of the Unidad de Excelencia "María de Maeztu" call. **Each year, two calls** will open from 1 to 10 January and 1 to 10 June, at which time you will be able to submit your proposals using a form.

Please read the instructions and the call limitations carefully.

1st CALL | 1-10 June 2021



Next call: 1st until 10th of June



Events and news

EVENTS:

- Organization of seminars, conferences, ICCUB Colloquia, etc.
- Indico webpage
- Data protection

NEWS:

- Press releases and coordination with other institutions (UB, IEEC)
- Media appearances

Outreach



TOC-TOC

Project goal: This project aims to facilitate the synergy between the University of Barcelona and agents or institutions with an interest in the research carried out at the Institute.

Aimed for: General Audience

Language: CAT, ESP, ENG



FORCES

Project goal: To facilitate the synergy between the University of Barcelona and High Schools and to encourage the pursue of STEAM careers by giving support with the **final projects** of High School students.

Aimed for: Baccalaureate Students who have an interest in doing their TFG with a researcher from the Institute



UB's guide of Experts

The guide of experts of the UB is used as a bridge between **research groups** and **the press** in relation to their research and expertise fields. It is a great way to disseminate the research that is being carried out in the Institute and gain visibility and prestige.



Camins Infinitos

Goal of the project: In this project PhD students volunteer to deliver outreach talks to schools and high-schools all around Catalonia.

Aimed for: Primary Schools and High Schools of Catalonia.

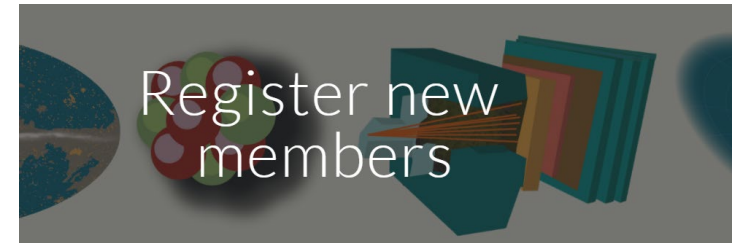
How can I sign up? Easy, just fill up the following [form](#).

Language: CAT, ESP, ENG

and much more...!

Registration of new members and emails

- To registre a new membre, they have to fill the form you will find on the intranet or contact Secretaria, so we can contact them.
- Along with this form, secretaria will ask for an ICC and/or FQA email. ONLY secretaria can ask to create an ICC and/or FQA email.



If you would like to register a new member, please share this form with him or her and ask them to answer it.



Welcome to the ICCUB

Please answer the following questions in order to create a member profile and create your public profile on our website

* Necessària

1. NAME *

2. SURNAME *

Emails for visiting researchers

- If you have invited a fellow researcher to the ICCUB and they need to connect to the eduroam and/or print, you will just have to fill a **form** (link available at the intranet) (**new procedure!**)
- When the credentials are activated, they will have an UB email account, thus an ICC/FQA **email account won't be provided.**

Finally, what can you do for us?

- Fill in your profile
- Inform us about possible news
- Report on errors and help us update the content
- You are welcome to make suggestions!