

Rock Your Research Music and Society Lab Programme your own music

14/05/2022

Medialab UGR

Universidad de Granada

 **Visual evidence**
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ROCK YOUR RESEARCH

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Programme your own music *Programa tu propia música*

A *Rock Your Research* Workshop

"Programme Your Own Music" is a workshop held on **May 14 at 10:00-13:30 AM** as part of the European project *Rock Your Research*, funded by Erasmus+. It is led by **Alba G. Corral**, combined with a presentation from the Citizen Science Project "*Listening to the Song of the Stars*".

Core Themes

- **Software as the new paintbrush** — code becomes sonic narrative
- **Radical collaboration** between researchers and creators
- **Algorithmic creativity hacking** alongside stellar data
- **Live coding** for real-time generation of sound environments
- **Breaking the barrier** between user and machine to create live art



"Programme Your Own Music" is RYR in action.

Data Feels. Listen Up.

This workshop is a live demonstration of the project's core mission: transforming the university into a space where artists, researchers, and citizens co-create knowledge. It connects a citizen science project (Listening to the Song of the Stars, IAA-CSIC/UGR) with creative coder Alba G. Corral to turn raw astrophysics data — the oscillation pulses of Delta Scuti stars — into sound and live performance. This is not outreach. This is knowledge valorisation through the arts.

Three RYR priorities addressed:

- **Researchers** → new channels to communicate science beyond academia, reaching audiences no journal ever will
- **Artists** → recognised as peer-collaborators in the research process, not decorators of someone else's findings
- **Citizens** → participatory, embodied access to scientific knowledge through live coding and sonic art




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Meet the artist who turns data into feeling, and code into poetry >>>>

Researchers → new channels to communicate science beyond academia, reaching audiences no journal ever will

Artists → recognised as peer-collaborators in the research process, not decorators of someone else's findings

Citizens → participatory, embodied access to scientific knowledge through live coding and sonic art



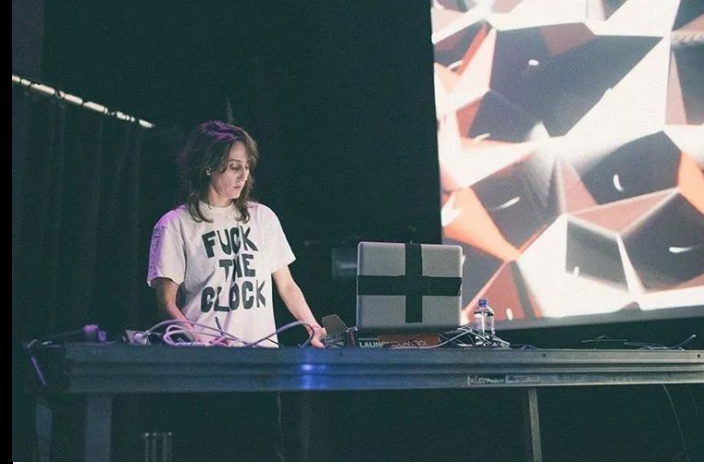
Artist Profile #1

Alba G. Corral

Madrid, 1977. Is a visual artist, creative coder, and educator based in Sant Carles de la Ràpita, Catalonia. Trained in computer engineering, she has spent over a decade creating generative art through software and code, with work presented at major festivals across Europe, Japan, Mexico, and the United States.

Her practice combines live performance, video, digital media, and installation, exploring abstract narratives through colour and algorithmic systems. She is best known for her live audiovisual performances, where she integrates real-time coding and drawing in close collaboration with musicians. She has performed at landmark venues and festivals such as Sónar, L.E.V., Mutek, and the Palau de la Música Catalana.

As a teacher, she runs workshops in creative coding and visual programming for designers and artists using open-source tools such as Processing. In 2014, she received the "Best Audiovisual Show of the Year" award at the Vicious Awards alongside Víctor Santana



<https://blog.albagcorral.com>



Artist Profile #2

Listening to the Song of the Stars

Is a citizen science project led by a team from the Institute of Astrophysics of Andalusia (IAA-CSIC) and the University of Granada, promoted by the Andalusian Office of Citizen Science.

The project uses a technique called sonification — converting the light oscillation patterns of Delta Scuti pulsating stars into audible sound sequences. The resulting stellar "scores" are then listened to and analysed by students and teachers at the Royal Superior Conservatory of Music Victoria Eugenia of Granada.

The goal is to bring astrophysics research closer to citizens through sonic art — turning scientific data into an artistic and educational experience that any listener can engage with. It exemplifies how science and art can collaborate to generate new knowledge and public interest in research

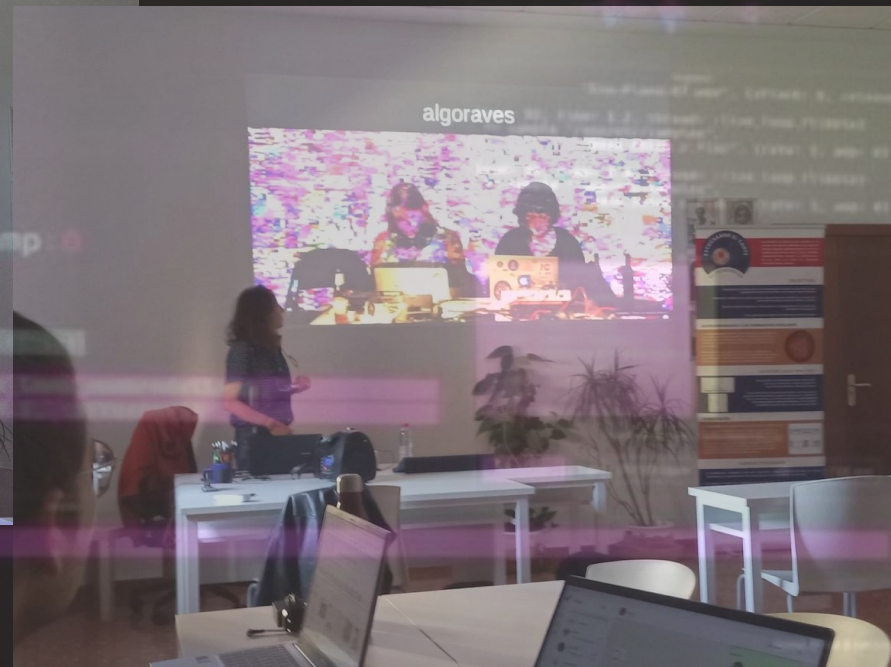


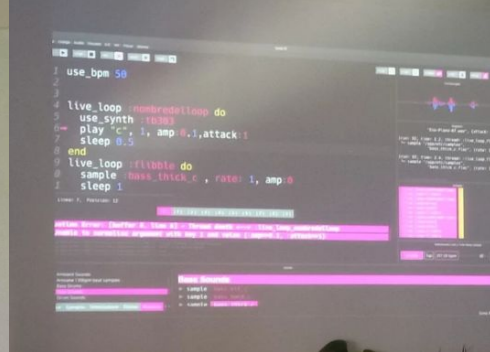
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**Some photos and materials from
the session. Enjoy.**





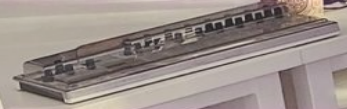




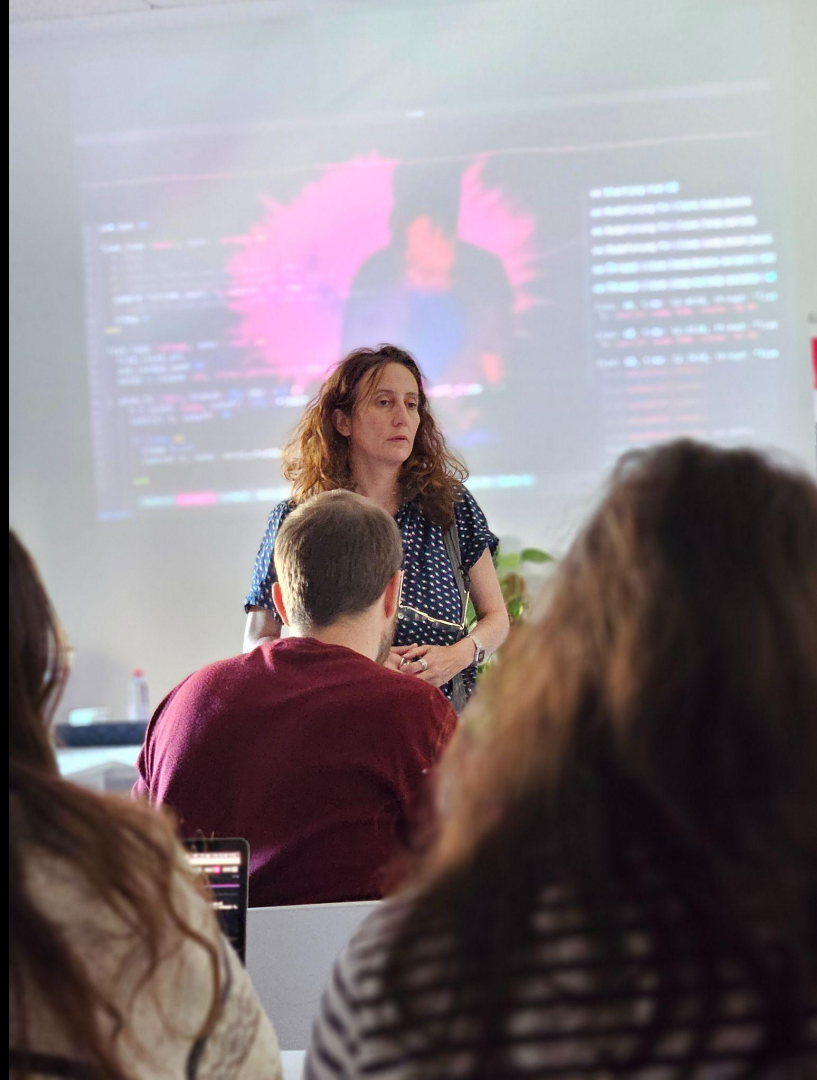
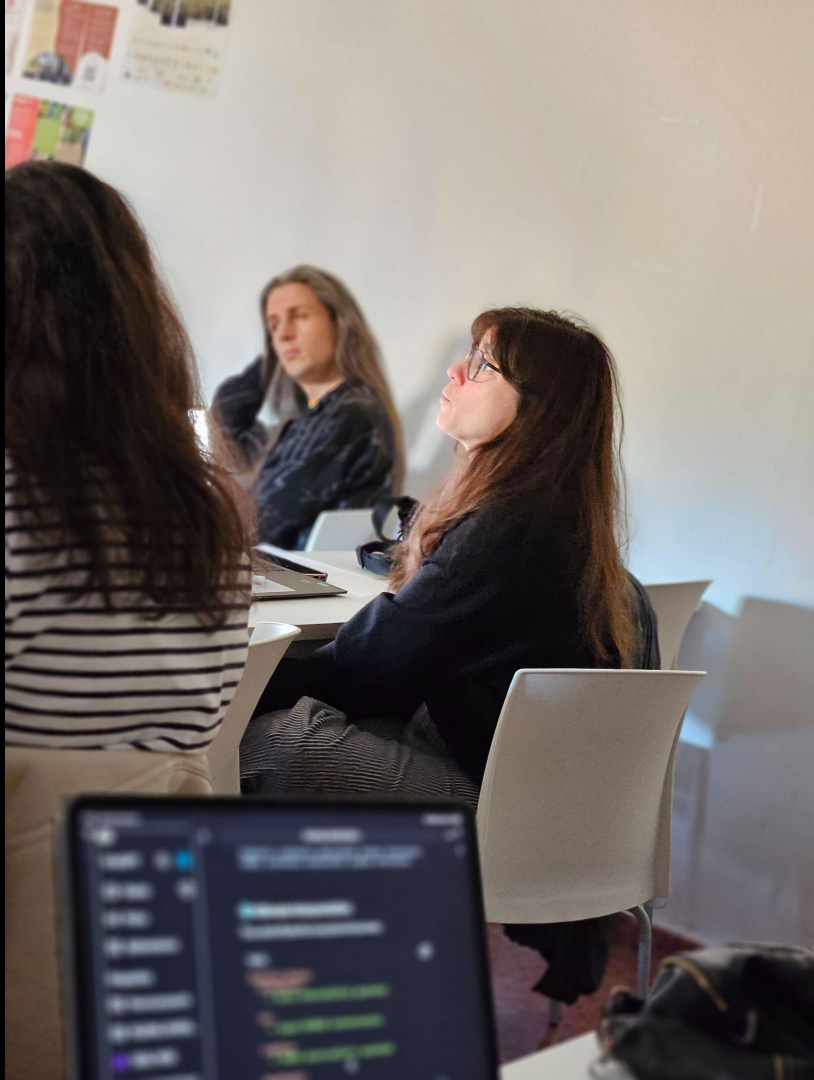


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2  
3  
4 live_loop :note  
5   use_synth :f3  
6   play "c", 1, amp  
7   sleep 0.5  
8 end  
9 live_loop :filter do  
10   filter :lowpass
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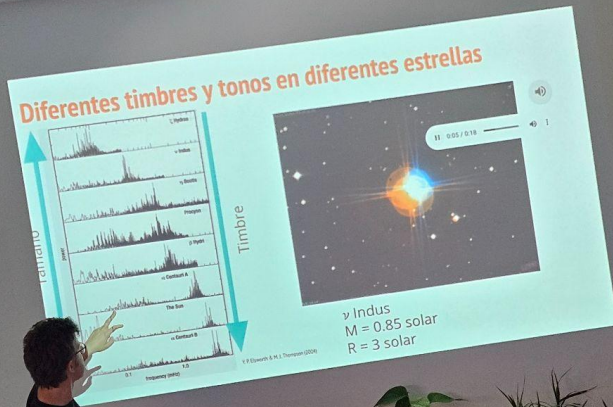
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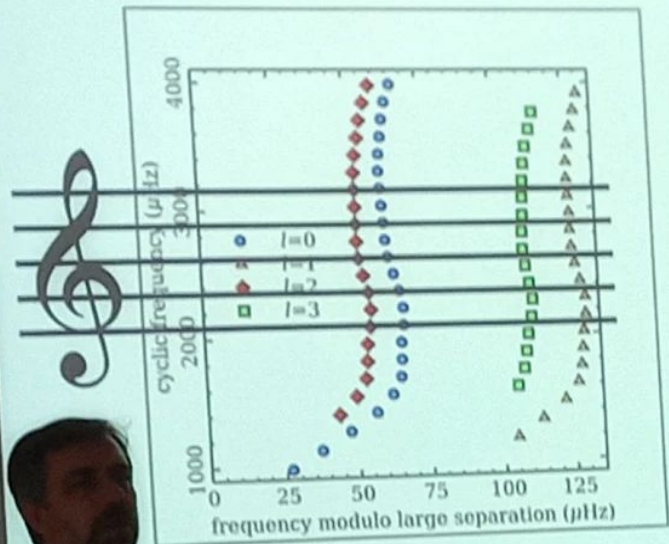








El Sol



PROYECTO

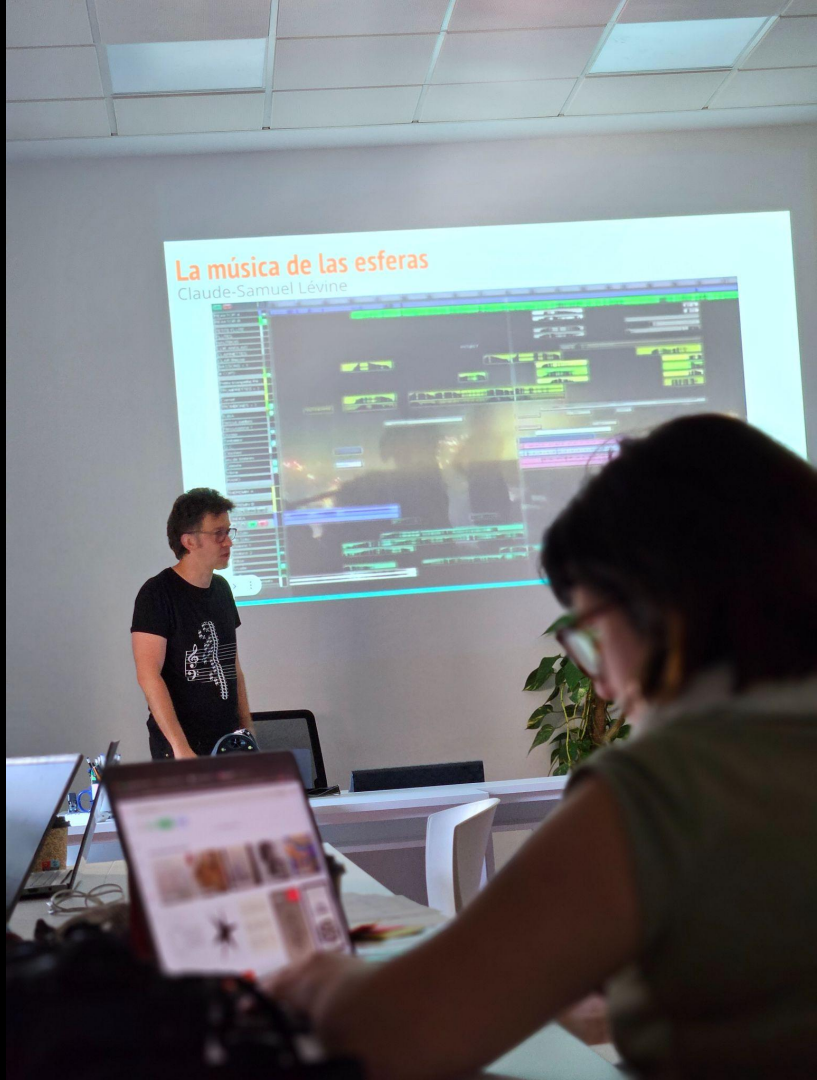
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