

Basque
BioDesign
Center
Biodiseño & Tecnología

BIZIRIK

Research Residence
BASQUE BIODESIGN CENTER

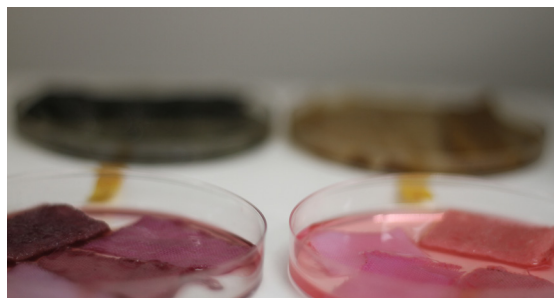
CONVOCATORIA

BIZIRIK
Biodesign
Research Residency

WELCOME TO THE BASQUE BIODESIGN CENTER, WE ARE THE CREATIVE PROJECTS DEVELOPMENT CENTER, RECOVERING AND REGENERATING LOCAL MATERIALS IN DISUSE, PROMOTING THE CREATION OF INTERDISCIPLINARY SYNERGIES, DEVELOPING TALENT, PARTICIPATORY MANAGEMENT AND THE RELATIONSHIP WITH THE LOCAL.

BASQUE BIODESIGN CENTER LAUNCHES A TWO-MONTH RESEARCH RESIDENCE PROGRAM FOR EMERGING CREATORS, AT THE BDC CENTER IN GUEÑES, WHERE DESIGN AND INNOVATION FOR THE DEVELOPMENT OF NEW USES WITH LOCAL WASTE AS THE AXIS OF THE PROJECT.

THE MAIN OBJECTIVE OF BIODESIGN RESEARCH RESIDENCY IS TO DEVELOP NEW SUSTAINABLE PRODUCTS, NEW MATERIALS AS A WAY TO TRANSFORM, REEVALUATE AND UNITE RURAL AND URBAN LIFESTYLES USING LOCAL RAW MATERIALS.





BDC is a convergence space with the mission of propelling the digital transformation of future materials through experimentation, innovation, and collaboration to create technology - based solutions.

Our vision is to become an inspirational hub for creativity, the only one of its kind in Spain, aiming to bring together the talent of our region with the global community and bridge the gap between design and science.

The Basque BioDesign Center in Gueñes serves as a space for experimenting with various digital creation processes and tools. It emphasizes the strategic role of creativity as a productive model, where technology, experimentation, and sustainability converge to promote initiatives aimed at integrating these aspects into the objectives of companies.

BDC is a center where design professionals, creators, and practitioners are educated and guided to develop their own prototypes. Its objective is to equip professionals with strategic management skills that facilitate the transition and redefinition of companies, businesses, and services towards a sustainable and responsible economy. BDC supports creation and production processes, guiding them towards innovation in various artistic expressions, identifying and nurturing talent, promoting participatory management, and fostering connections with the local environment.



BDC AXES

We are committed to the creative research that combines science, design, art... so that the creators of tomorrow contribute to more responsible world for the planet. We advocate creativity, as a guide to new solutions from a perspective that someone technical would not reach, and from culture to generate narratives that reach more layers of the population.

Art_lab

Art laboratory with screen printing and paper printing workshop



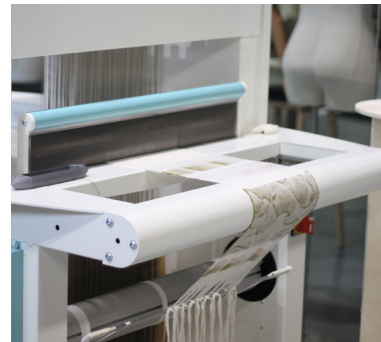
Bio_labs

Two laboratories for the materials development with living organisms, such as bacteria, fungi and algae...



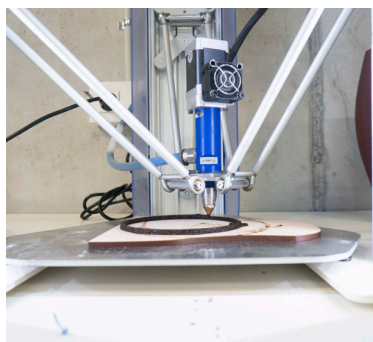
Textile_lab

Textile manufacturing laboratory that includes: digital looms, sewing machines, textile printing...



Digital_lab

Digital manufacturing laboratory that includes: 3D printing, laser



Wood_lab

Workshop dedicated to the research and development of products related to wood. Includes CNC and tools.



Upcycling_lab

Laboratory or space dedicated to the upcycling of multiple materials, with heat plates, mixers...



TOUR VIRTUAL:

<https://www.youtube.com/watch?v=MG-uqgGVtm0>



THE MAIN OBJECTIVE OF BIODESIGN RESEARCH RESIDENCY IS TO DEVELOP NEW SUSTAINABLE PRODUCTS FROM NATURAL WASTE. WE ARE LOOKING FOR A WAY TO TRANSFORM, REEVALUATE AND UNITE RURAL AND URBAN LIFESTYLES BY USING LOCAL RAW MATERIALS.

OBJECT:

At the BDC, we offer different formats of residency opportunities, including production residencies, research residencies and micro residencies. Our main area of interest focuses on the development of projects related to Biodesign and the exploration of new materials for various applications.

BDC seeks project proposals that combine a creative vision with technology and science. Previous laboratory experience is optional; All levels of scientific knowledge and experience are welcome.

Main research axes:

- Biofabrication, the use of natural waste • Biotechnology
- Textile technology and design
- Natural inks, printing
- Digital + carpentry
- Ceramics

During the work period, residents will benefit from an intense time of production and/or research, enriched by the exchange of ideas and experiences among the center's team. The residencies offer a trained professional team and a unique bio-themed infrastructure, providing support to each resident.

The Residencies are aimed to artists, designers, architects and professionals who come from any discipline within the visual arts, design, architecture... who can work independently on research linked to the circular economy and biodesign, who wish to have a space to reflection and take advantage of our library (specialized in new practices and biomaterials) to research, study or write, while being immersed in a rural environment with multiple cultural offerings.

PROJECT PROPOSAL:

Prior to the beginning of the residency, the resident will submit a detailed project proposal. The project proposal must include objectives, methodology, necessary resources and any other information relevant to its execution.

BDC will evaluate the proposal and may request modifications. Once the proposal is approved, it will serve as a guide for activities during the residency.

HOW TO APPLY

The application is free. There are 2 annual calls, in each semester of the year. Closing dates are: November 15, and June 15.

TUITION

The tuition cost is €900 per month (with the exception of those residents who are within the exchange or financing programs that we maintain with national international partners).

Participants are invited to apply for their own external funding and scholarships.

Includes:

- Expenses related to the artistic project realization, the production and promotion of the work carried out.
- Materials: Depending on the period of residence, the materials available in the workshop (IMPORTANT: consult for specific materials, processes and tools according to each case and project)
- Access and use of all common work areas.
- Professional assistance and support from the team during all working hours in the studio.
- Accident insurance
- Wi-Fi Internet Access
- Promotion of the work and the residency project through our newsletter and social networks, a permanent profile of the resident (and the exhibition if held) on the website.

Does not include:

- Airfare or return airport transfer
- Traveler health insurance
- Accommodation, diets
- Visa processing costs
- Special materials not available in the workshop.

BDC OBLIGATIONS

Provide the Resident with access to the facilities necessary to carry out their activities during the period of residence. Provide logistical and technical support necessary for the development of Resident activities as previously agreed.

OBLIGATIONS OF THE RESIDENT

Carry out artistic and/or research activities as agreed between the parties. Respect BDC's internal rules and regulations during your stay at the residence facilities. Inform BDC in a timely manner about any eventuality that affects the development of the residence.

INTELLECTUAL PROPERTY

The intellectual property rights over the artistic works and/or the research results developed during the residency will be shared ownership between the BDC and the Resident, unless otherwise agreed between the parties. Both parties agree to maintain the confidentiality of the information exchanged during the residency, unless express consent or legal requirement.

MATERIAL PUBLICATION

Both parties agree to encourage the publication and dissemination of the material generated, respecting copyright and confidentiality agreements. Both the resident and the BDC may use the material for their own purposes, subject to prior consultation and agreement between both parties. Any publication or dissemination of the material must include acknowledgment of the joint authorship of the BDC and the resident. In the event that a specific transfer of rights is required for any publication or dissemination, both parties must negotiate the terms of said transfer in advance and in writing.

TEAM

DIGITAL LAB and WOOD LAB

- Laser cutter
- Vinyl Cutter
- CNC cutting machine
- 3D printer
- Ceramic 3D printer
- Large format ceramic 3D printer
- 3D Scanner
- 3D pen

TEXTILE LAB

- Digital sewing machine
- digital printer
- digital embroidery machine
- Digital Jacquard Loom
- Overlocker
- hot press machine
- Steam iron
- large warper

ELECTRONIC LAB

- Power bank electrónico
- Soldador
- Kit de sensores
- Arduino UNO

BIO LAB

- Food dehydrator
- Incubator
- Micro scale
- Electric kettle
- Electric mixer
- Electric pressure cooker
- Microscope
- Burner
- Bunsen burner
- Laboratory equipment: petri dishes, syringes, measuring jugs, graduated cylinders, inoculation loops, volumetric flasks, glass jars, etc.
- Protective equipment: goggles, gowns, and face masks
- Culture boxes for mycelium and kombucha
- Electric stoves
- Pots of various sizes
- Disinfection cabinet
- Translated with DeepL.com (free version)

HAND TOOLS

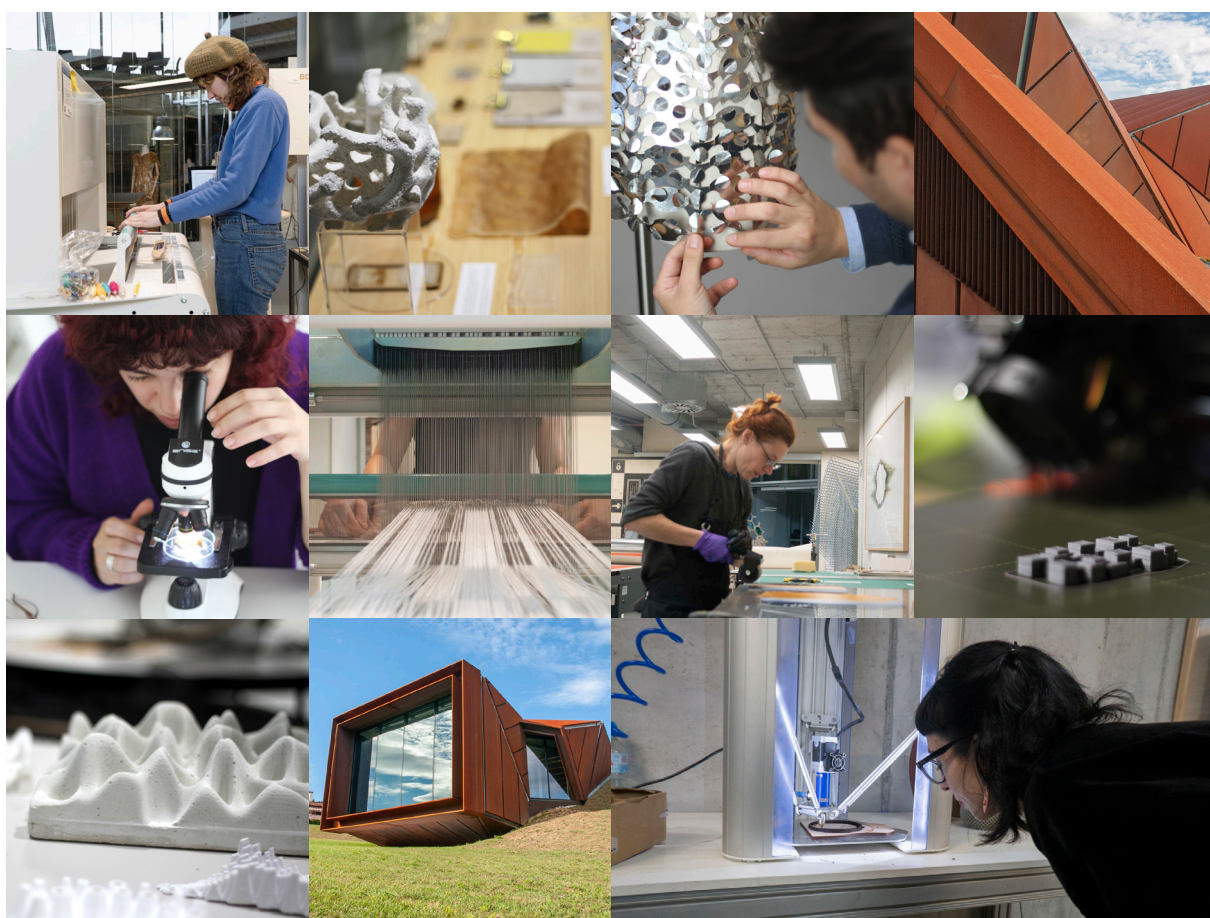
- Sanders
- sanding belts
- Angle grinder
- Cordless drill
- Cordless nail gun
- staple gun
- Circular saw with rail
- large tweezers
- small tweezers
- industrial vacuum cleaner
- hand tool kit
- precision screwdriver
- Dremel
- High pressure cleaning gun
- Glue gun
- Tuft Gun
- Air compressor

DOCUMENTATION

- photography box
- professional photo camera
- Focus for video documentation
- Mac computers

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