

Formación BDC en Digital design

BDCamp BioCouture, New Haute Couture

JUNE
3-8

Barrio Lasier, 15 - A, 48840
Gueñes, Biscay
www.basquedesigncenter.com
[@basquebiodesigncenter](https://twitter.com/basquebiodesigncenter)



**Basque
BioDesign
Center**

Biodiseño & Tecnología



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.

During one week, students will craft an haute couture suit. with Jordanian designer, [BATOUL OMAR AL-RASHDAN](#). Batoul's innovative approach incorporates 3D printed fashion/products, biodesign and high-tech wearable architecture.

Its materials range from sustainable bioplastics to recycled wood waste, contributing to a circular and modular design ethos. Recognized for groundbreaking initiatives, Batoul has pioneered the transformation of food waste into fashion and décor items, including distinctive biological coins crafted from onion peels and clothing. The globally acclaimed designer will impart her insights and guide the students in the creation of the suit, enhancing their learning journey. The culmination of this collaborative effort will be showcased at EncartadaModa, highlighting the fusion of creativity, sustainability, and biotechnology in the realm of New Haute Couture.



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.

BIODESIGN IS MAKING ITS WAY AROUND THE WORLD. IT UNITES DESIGN, BIOTECHNOLOGY, AND INNOVATION TO REINVENT A MORE SUSTAINABLE AND REFLECTIVE FUTURE.



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_lab

A laboratory 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 wood-related products. Includes CNC and tooling.



Upcycling_lab

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



VIRTUAL TOUR:

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



COURSE TYPE	PROFESSIONAL TRAINING
SUBJECT	BIOFASHION
TITLE	BioCouture, New Haute Couture
DESCRIPTION	The BioCouture Bootcamp is a groundbreaking event that blends haute couture with biomanufacturing, pushing the boundaries of sustainable and innovative fashion. Throughout the week, participants will immerse into revolutionary techniques, ranging from the production of large-format Bioleather to crystal cultivation, 3D printing, and digital pattern making.
OBJETIVES	<p>The primary objective is to design a suit that embodies the elegance of haute couture by integrating avant-garde bio-materials. Renowned designers from around the world will contribute their insights and mentor the development of these suits, enhancing the educational aspect of the project.</p> <p>The culmination will be the exhibition at EncartadaModa, showcasing the fusion of creativity, sustainability, and biotechnology in the realm of New Haute Couture.</p> <p>This event serves as a celebration not only of innovation but also as a catalyst for the transformative potential of biomanufacturing in the fashion industry. It signifies a pivotal moment towards a more ethical and sustainable future.</p>
CONTAINS	<ul style="list-style-type: none"> • BioCouture Definition • References and references • 3D human body scan • Makehuman create a 3D mannequin • Pattern Clo3D • Grasshopper Generative Design • Zero waste, modular design • Biomanufacturing: • Large format bioleather • alginate threads • Kombucha • Crystallization • Finishes <ul style="list-style-type: none"> • Prototyping techniques: sewing, gluing, laser, molding
DATES	3-8 June. 5 days at BDC/ 1 day La EncartadaModa
DAYS AND HOURS	Monday - Friday: 10:00/17:00
PROFESSORS	Eduardo Loreto Mentor: Batoul Al-Rashdan
TOTAL HOURS	35 hrs
COSTS	475€

[Apply here](#)

**Apply before 5 April and take advantage of a 10% discount with the following code: BDCAMP10*

PROFESSORS



EDUARDO LORETO | Biofashion researcher

A designer and researcher specializing in innovative materials, he has cultivated his career in the Basque Country, where he has designed costumes for television series applying sustainable and avant-garde principles.

Trained at the Basque Biodesign Center in the Fabricademy Postgraduate Program, he has focused on investigating the intersection of textiles, digital manufacturing, elements of nature, and living organisms. The goal is to ensure that his designs are not only cutting-edge but also regenerative and sustainable.

His achievements include being selected and subsequently becoming a finalist in the new materials category during Milan Design Week 2022, showcasing his project, Heterotopia.

Currently he is engaged in a research project at the BDC focused on utilizing Latxa Wool waste. The outcome is the development of a novel material known as WOODWOOL, which is tailored for applications in interior design and the construction sector.

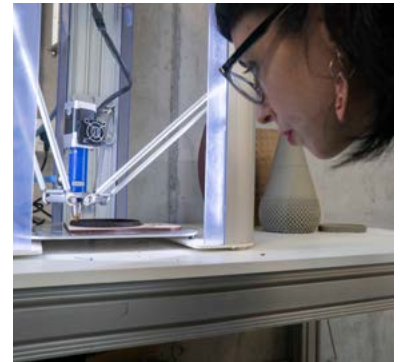


BATOUL OMAR AL-RASHDAN | Fashion designer

Batoul, a Jordanian architect and designer, specializes in biodesign and sustainable 3D printed fashion, bringing her expertise in architectural engineering to the forefront. Possessing two prestigious postgraduate degrees from Fabacademy and Fabricademy, she has earned accolades such as the 2022 Distributed Design Awards, TDA, 2023 Taipei Design Award in the Industrial Category, and the WDO Appropriateness Award. As the founder of Studio B.O.R., Batoul stands as a driving force in the realm of sustainable fashion.

Her work integrates science, technology, and design to produce eco-friendly, high-tech clothing and accessories. Batoul's innovative approach encompasses 3D printed fashion/products, biodesign, and high-tech wearable architecture. Utilizing materials ranging from sustainable bioplastics to recycled wood waste, she contributes to a circular and modular design ethos. Notably, she is recognized for her groundbreaking initiatives in transforming food waste into fashion and decoration products, including unique bio-coins crafted from onion peels and clothing.

Batoul's work has gained recognition globally, earning her features in publications such as the World Economic Forum, Forbes, and Yahoo News. She has showcased her creations in numerous countries, including Switzerland, Italy, Spain, the United States, France, Germany, the United Arab Emirates, Egypt, among others. Additionally, she has actively participated in international catwalks, exemplifying the transformative potential of sustainable fashion.





Basque **Bio**Design Center

biodiseño & tecnología

www.basquedesigncenter.com
info@bdc.eus