



Marama Ora

The Project

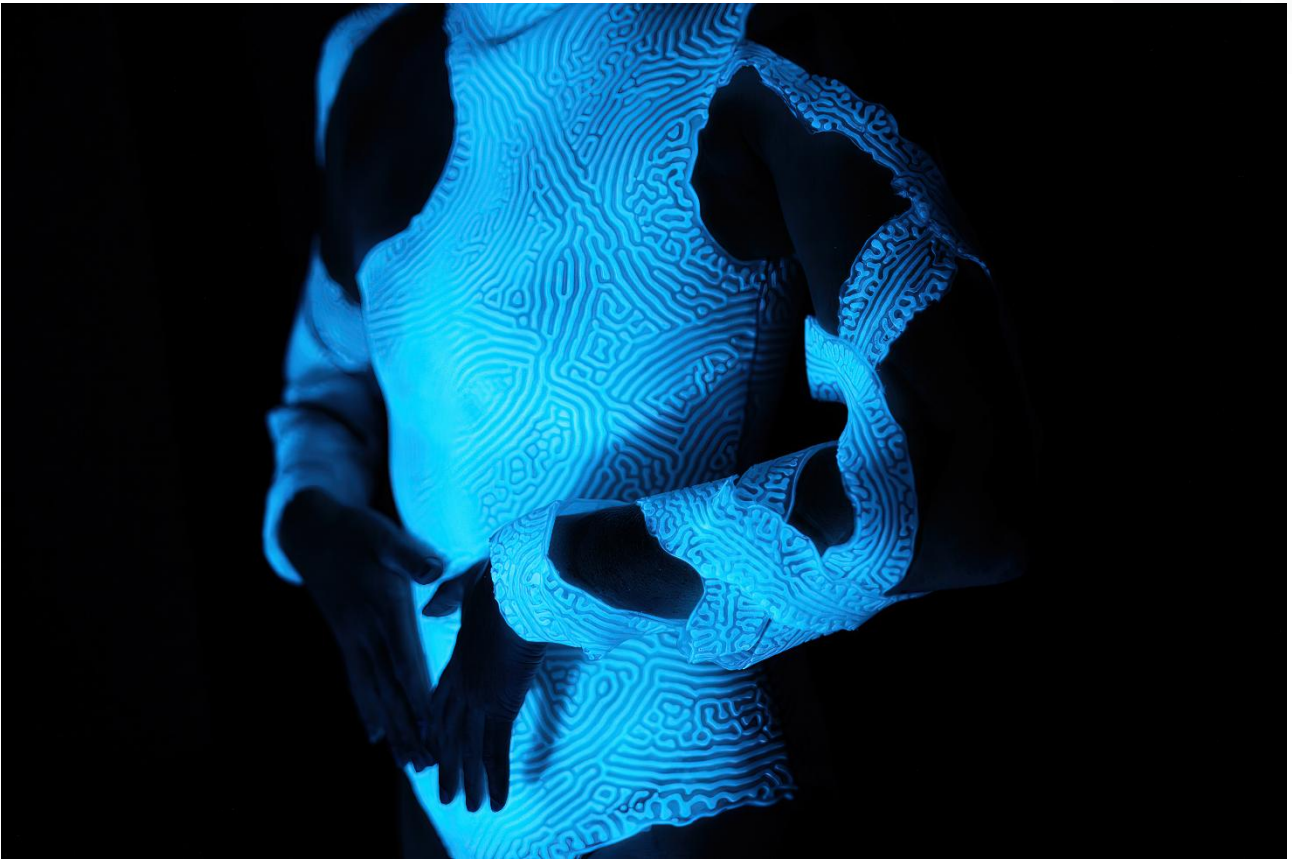
Exploring interspecies collaboration through light and tradition

- Bio-based material encapsulating **bioluminescent micro-algae**
- Inspired by the symbiosis between corals and microorganisms
- Reacts to touch by emitting light; requires only sunlight to survive
- **Lifespan**: approx. 6 months – fully biodegradable and interactive
- Co-created with **Polynesian artisans** using local knowledge and techniques
- Artefacts made: a **drum**, a **swimsuit**, and a **necklace**
- Blends traditional craft with contemporary biotechnology
- Aims to reconnect humans to nature through **awe and ritual**
- Highlights the beauty of **fragility, temporality, and adaptation**
- Demonstrates how **biotechnology can move beyond the lab** into cultural experience

Designer – Christopher William Bellamy

- UK-based **biodesigner and engineer** focused on living materials
- Studied engineering at the University of Cambridge
- Early career: Jaguar Land Rover – developed the first electric Jaguar I-Pace
- Shifted to footwear: designed recyclable, customizable shoes
- Transitioned to **living systems** design to better address climate challenges
- Advocates that “**nature does it better**” than synthetic systems
- Collaborated with international artists, galleries, and traditional artisans
- Winner of multiple **biodesign innovation awards**
- Passionate about sustainability, interspecies design, and the aesthetics of life







“ Multi-stakeholder
engagement to strengthen
regional bioeconomy
value-chains ”

Consortium :



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