

# Elizabeth Hall

Designer/Researcher

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## UAL : Material Futures MA 2019-2021

Manchester Metropolitan University: Three Dimensional design BA(hon) First

Neville Johnson Furniture design award. Material Lab (New Designers 2017) award

Birmingham Metropolitan College: Foundation Art and Design Degree – Distinction

Having just Graduated from Material Futures(MA) at Central Saint Martins. This has allowed me to develop an in-depth range of practical design skills, as well as a unique approach to design problems. On the course we explore material innovation, Bio technologies, AI tech, other digital and speculative futures. Always exploring the boundaries of modern expectations and society's everyday practices, researching new and innovative ways to design and create a better more sustainable future.

My personal area of focus is based biomaterials, organic processes, the power of growth and bacteria to work with natural processes to create sustainable environmental systems. I am also proficient in CAD programmes, Adobe programs, video making, digital 3d modelling, wood work and metal work, and graphic design.

Portfolio: <https://lizziehall123.wixsite.com/design>

## Employment History

### Current

Ralph Lauren Sale Associate Home Department. Providing luxury customer service to clients, maintaining high merchandising standards, in-depth product knowledge and high sales targets.

### 2018

Pets at Home Visual Merchandiser: Taking projects from concept to shop floor, creating innovative retail ideas and overcoming all business problems.

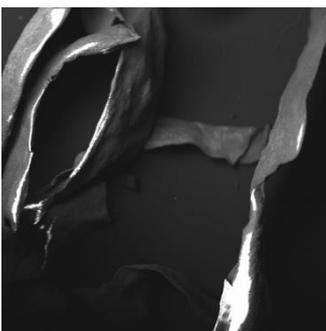
### 2017

Pets at Home Space planner: Working with AutoCad to create store layout and plans, as well as a mock up 3D renders for new ideas and concepts.

## Projects:

**Banana Plastic. Research and innovation into biodegradable plastics.** The principle of this project was to address the lack of available sustainable materials, this led to me developing my own banana peel-based bio plastic, and the associated research in to material properties and manufacturing techniques. I explored a range of outcomes, designing a banana plastic recipe book for young people to make bioplastic with house hold materials. A range of bags in collaboration with a fashion student and finally creating biodegradable alternatives to common single use plastics. This work was exhibited at New Designers, and Won the Material Lab award. Exhibited in BALTIC art centre with Material Driven and presented at a workshop at London design Museum.

**Artist In Residents – Living Along The Thames .** As a response to the first lockdown, I considered the relationship with my local green space, in this case the river Thames. I collected and explored the materials and resources the river provides us. Resulting in me creating and making on the banks of the Thames, casting vessels for water collection and reconnecting the people of London with the River. As well as considering how Londoners could better build a relationship with their environment through objects. Understanding and development of materials , algae farming, and video production were utilised in this project.



[the.material.designer](https://www.instagram.com/the.material.designer)



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**Activist – Sustainability Education.** Educating the next generation about how to live an more environmentally friendly life is very important. In response to this idea I designed a wood block game based around introducing green words and ideas to toddlers. As well as a full activity pack and games aimed at children 8-12, easy to download for a teacher or community group . To promote this work I built the Earth Pledge website encouraging all ages to pledge to change to help stop climate change. [www.earthpledge.com](http://www.earthpledge.com)



**Fish Industry Waste.** Waste is present in a lot of our industry's and the concept of utilising that waste efficiently only just getting started. Having collected fish waste from a local fish monger, I researched and experimented with the resource to see how it can best be used. Creating a extensive collection of material research and then further developing fish skin leather and fish intestine violin strings. Collaborating with local businesses and professional was key to this project.



**The Everyday Martian.** In collaboration with London design museum, the everyday Martian was about considering the problems we might face living everyday on Mars. This was a group collaboration, with a performance outcome. We designed and built an immersive experience based about the mental health challenges we will face when living on Mars and objects for coping with the stressful environment. This project required team work and collaboration and allowed me to expanded my capabilities with a performance outcome to a large audience.



**Design For Health – Products to help prevent lifestyle disease by feeding the gut's microbiome .**The Western lifestyle – one of overconsumption, highly refined diets and sedentary behaviours – is associated with a high prevalence of chronic conditions. What's more, it's only going to get worse, with global deaths from chronic disease expected to exceed 70% by 2030. Lifestyle change, known to medics as social prescribing, is now an accepted practice in the NHS. In response to the lifestyle disease crisis and knowledge about the gut's microbiome, I have designed The Good Gut Kitchen range of products which allow the user to populate their mass produced and processed foods with probiotic bacteria. The probiotic bacteria solutions are filled with all the good bacteria your gut's microbiome needs to keep your body healthy and prevent the onset of lifestyle related disease later in life.

**Royal society of Chemistry sustainability Outreach project.** Funding 10k. I am a collaborator in an ongoing project around sustainable education aimed at children aged 11- 14. My team includes lecturers and PHD students from Loughborough university and Birmingham university. We have been awarded 10k by the royal society of chemistry to deliver our sustainability education pack, my roll is to design bio design activities and experiments.



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