

# HUMAN HARVEST

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## DESIGN PROPOSAL

Livestock farms, as we currently know them, are unsustainable. They take up a lot of land, produce large numbers in emissions, use vast amounts of Earth's resources and are unable to support our rapidly growing population. The meat industry is one of the most harmful sectors to our environment.

Human Harvest proposes a future where we eat ourselves! A constantly replenishing food resource, a good source of protein, low food miles and overall better for the environment; why aren't we already promoting cannibalism?

Human In-vitro meat (IVM) is created in a laboratory and can be used to replace any traditional meat dish. This form of meat is consensual and involves no death, this means that both vegans and meat eaters can enjoy a tasty human dish.

## THE SITE

79-83 Charterhouse Street is a grade II listed building which is located on opposite the West Market building of Smithfield Market. The building was designed and built in the 1930's to accommodate the department for the Meat Inspectors of Smithfield Market.

A map of Smithfield Market can be seen on the right. This shows the various markets which create the site.

The neighbouring buildings are Tetto's restaurant and the famous Fabric nightclub. Also located near the site is Charterhouse Square. During the years of the Black Death, the area around Charterhouse Square was a plague pit.

79-83 Charterhouse Street was chosen due to its proximity to Smithfield meat market, as well as its history and relationship with meat.

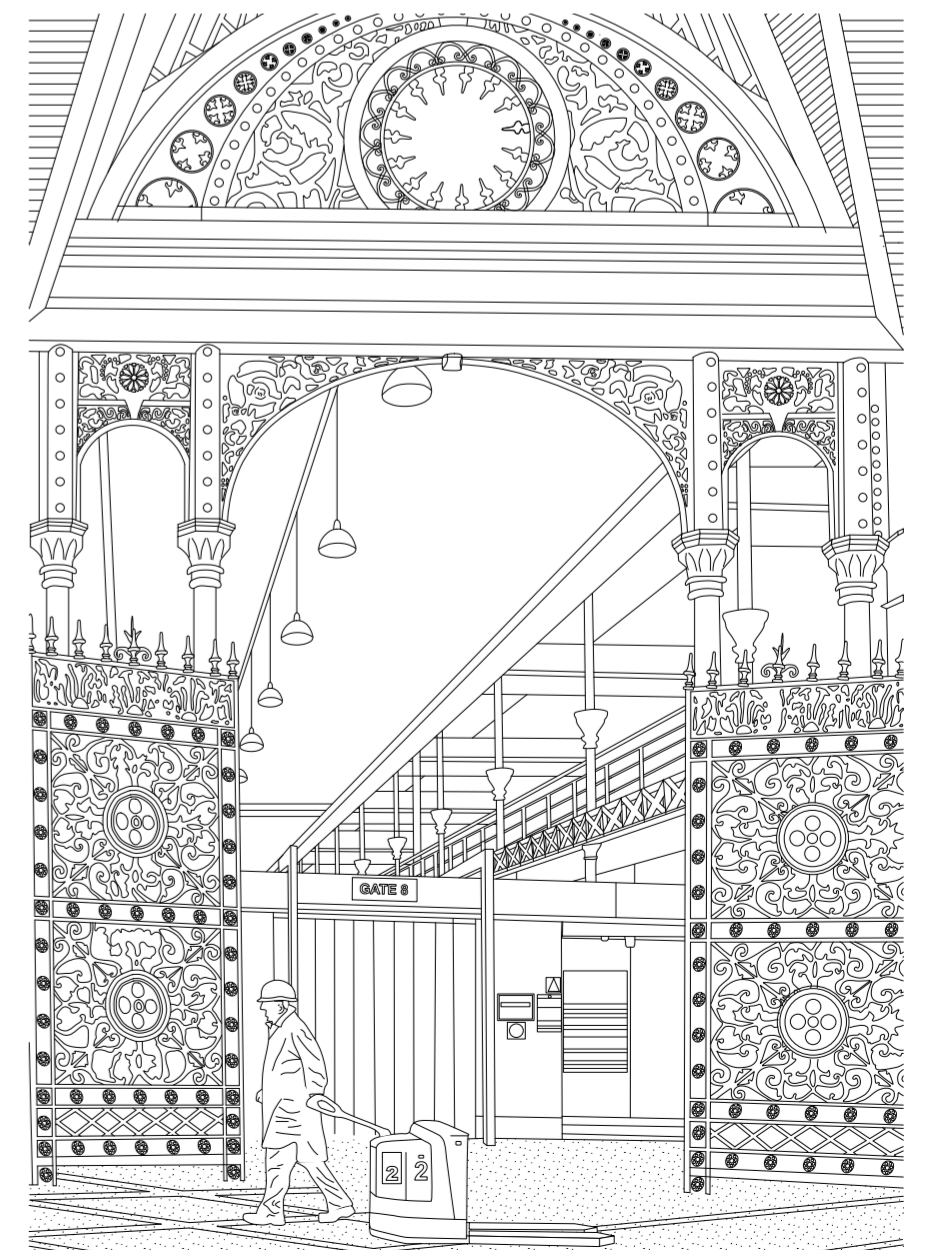
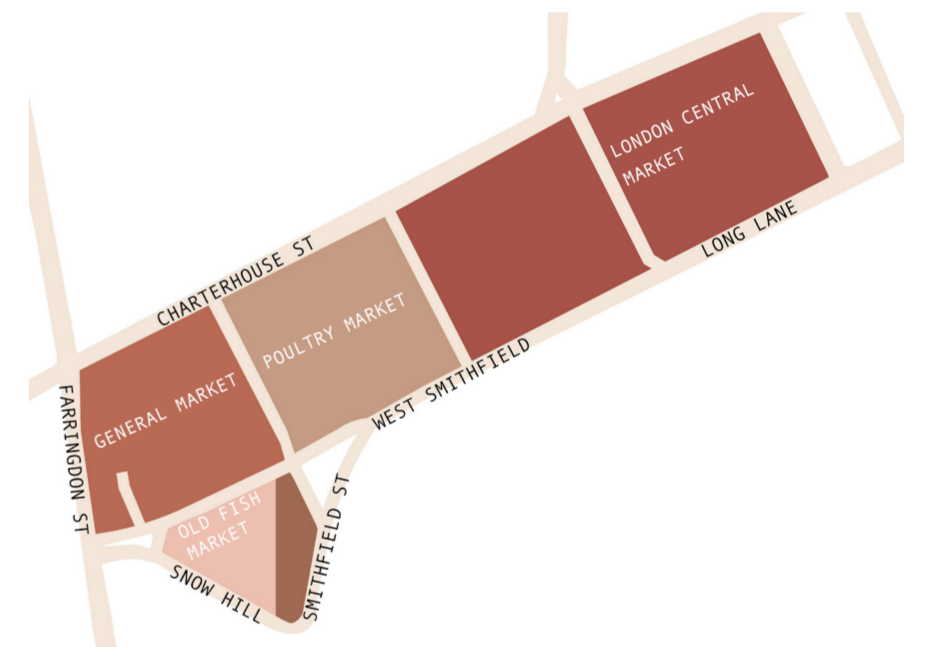
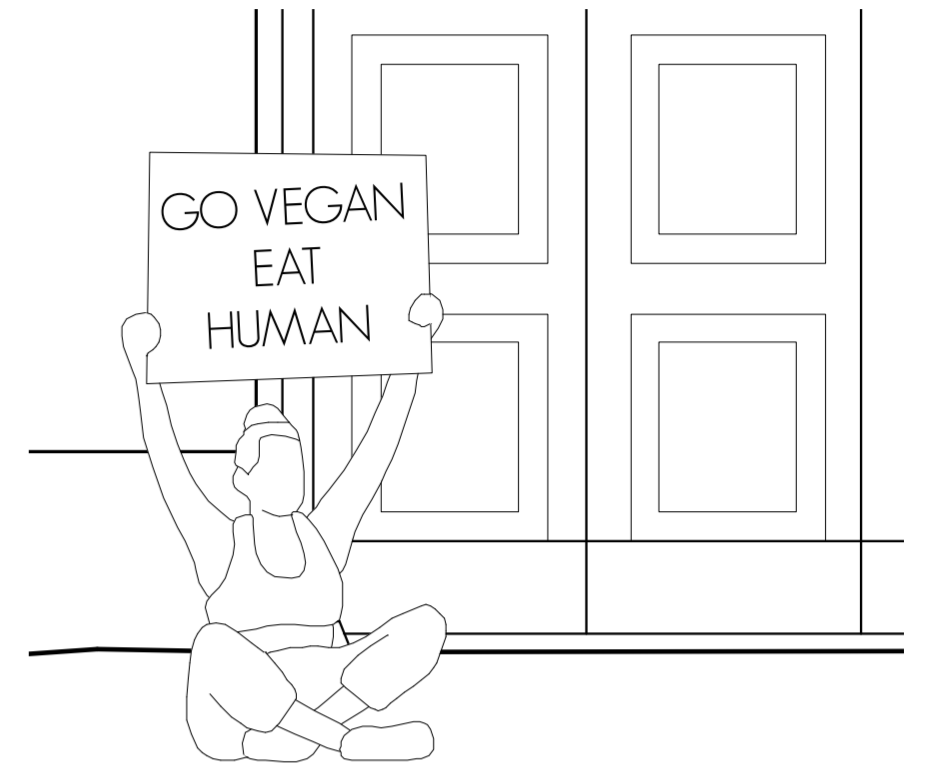
## SITE ILLUSTRATION 1:50 (right)

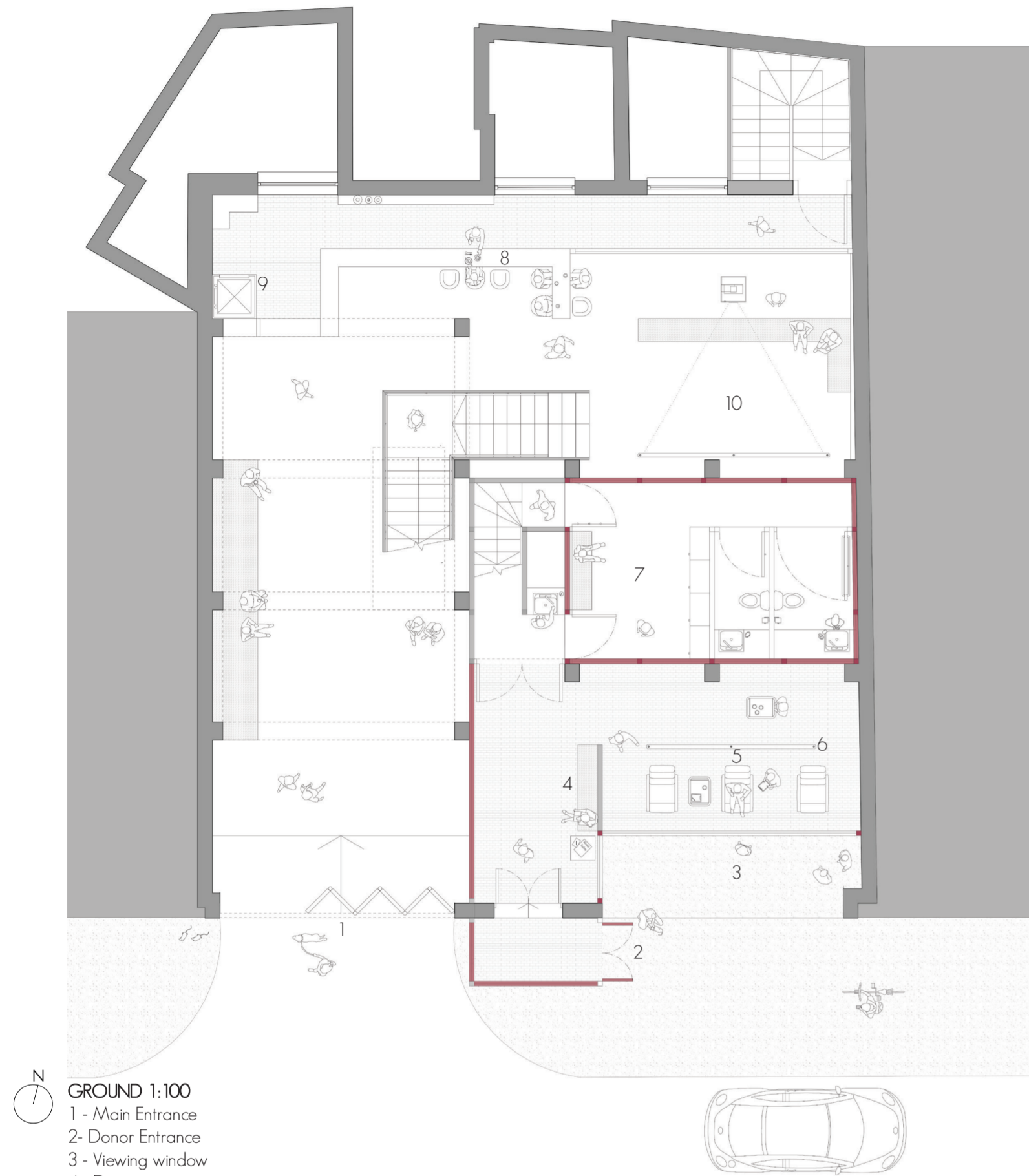
The site illustration shows one of the main entrances to Smithfield Market. I believe that Smithfield Market is at the heart of the Farringdon community, and as it is such a iconic part of the area it well represents the spirit of Smithfield.

Human Harvest aims to supply Smithfield Market with Human IVM to further add a piece of the community to the site at the heart of Farringdon.

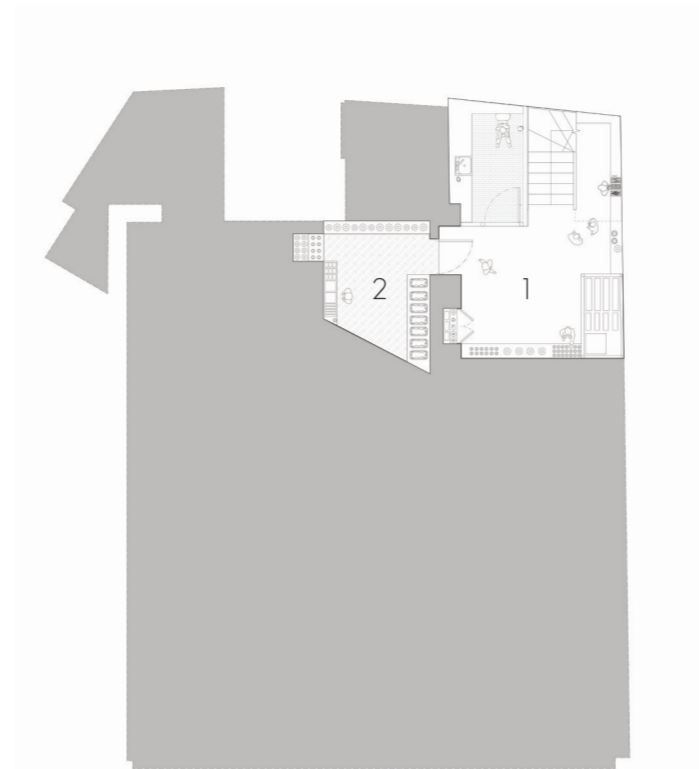
## CONCEPTUAL VISUAL (left)

The conceptual visual has an emphasis on the human aspect of the meat. It takes on the form of a bloody butcher shop which typically has meat hanging on full display. Cannibalism is often portrayed as something gruesome which involves murder and death, which this visual shows. Human Harvest will give cannibalism a new name, one which has good connotations to do with environmental impact and knowing your meat on a personal level.





- GROUND 1:100**
- 1 - Main Entrance
  - 2 - Donor Entrance
  - 3 - Viewing window
  - 4 - Donor waiting area
  - 5 - Donation point
  - 6 - Pull-down graphic screen
  - 7 - Laboratory changing room
  - 8 - Bar & taster area
  - 9 - Food service lift
  - 10 - IMV cinema area



- BASEMENT 1:200**
- 1 - Stock room
  - 2 - Refrigerated room



- FIRST FLOOR 1:200**
- 1 - Laboratory
  - 2 - Research hub



- SECOND FLOOR 1:200**
- 1 - Laboratory
  - 2 - Bistro
  - 3 - Kitchen



MAP OF SITE PLACEMENT



DONATE



VIEW & LEARN



DRINK



EAT

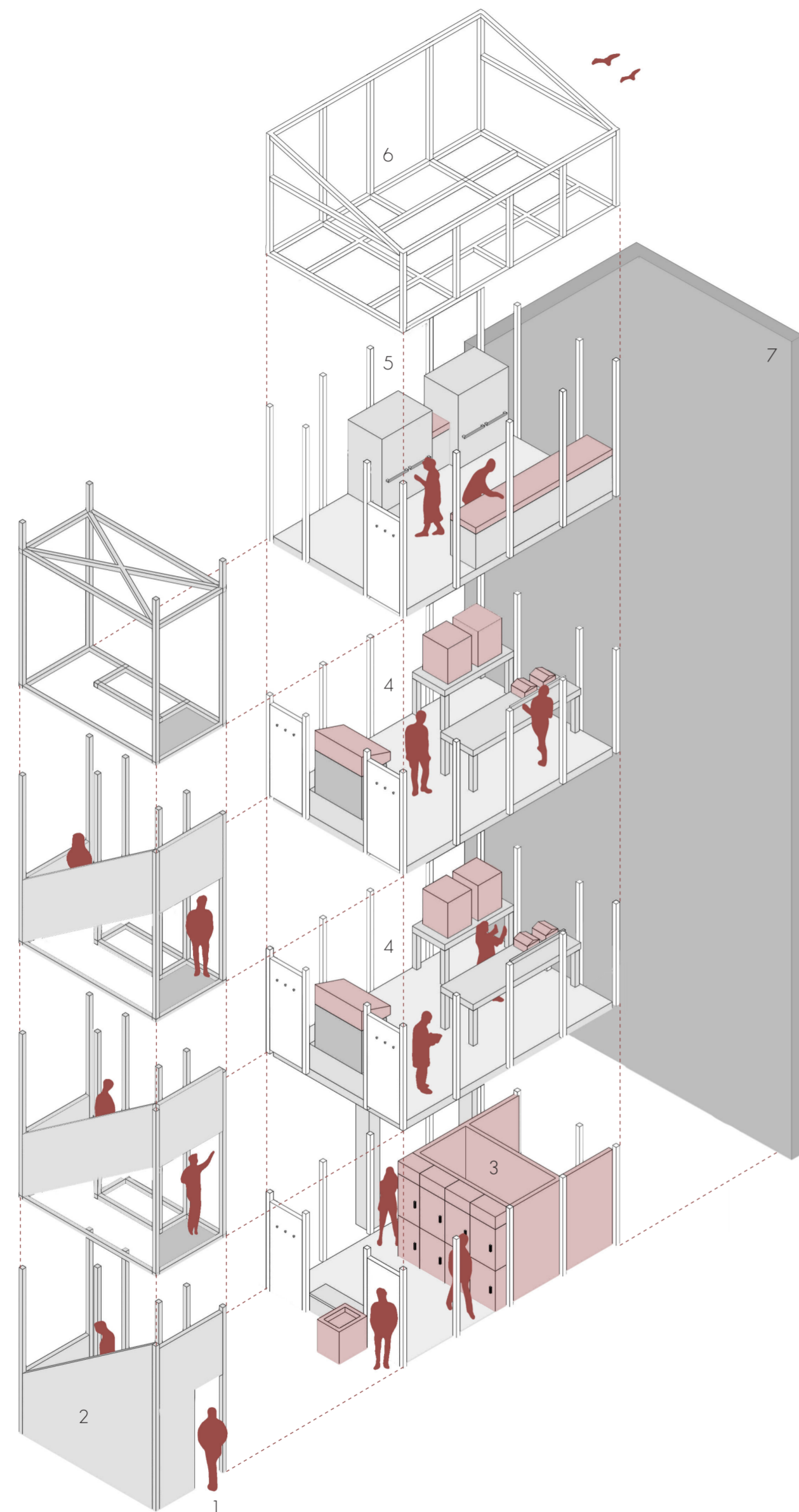
**KEY ACTIVITY VISUALS**

**DONATE** - The donation point is within an extruded window which allows members of the public to view the extraction of stem cells. This is the sites version of a butchers window.

**VIEW** - To allow visitors to learn more about human IMV, a short film will be played to explain the process as well as the on site activities.

**DRINK** - This is the first point in which visitors can eat or drink IMV. The taster menu consists of drinks and small dishes for customers to enjoy.

**EAT** - The bistro provides the whole human IMV dining experience. Here customers can have a three-course sit down meal and try a wide range of dishes.



EXPLODED AXONOMETRIC 1:100

- 1 - Lab entrance
- 2 - Lab staircase
- 3 - Changing area
- 4 - IVM growing lab
- 5 - IVM storage lab
- 6 - Extruded laboratory window
- 7 - External Wall

IN-VITRO MEAT

The lab grown meat industry significantly grew in 2020. Many new companies were founded and investments hit a record level. The level of new companies increased by 43%, and investments totalled to over £250,000,000. A study conducted showed that 80% of residents within the UK and US are open to eating meat which originates from a lab rather than a farm. Lab grown meat is highly likely to be accepted by society.

In-vitro meat (IVM) is grown through the process of extracting cells and encouraging growth through the use of serums and exercise. I conducted a site visit to a laboratory in order to discover what equipment is involved with scientifically growing meat. The diagram on the right further explores the process.

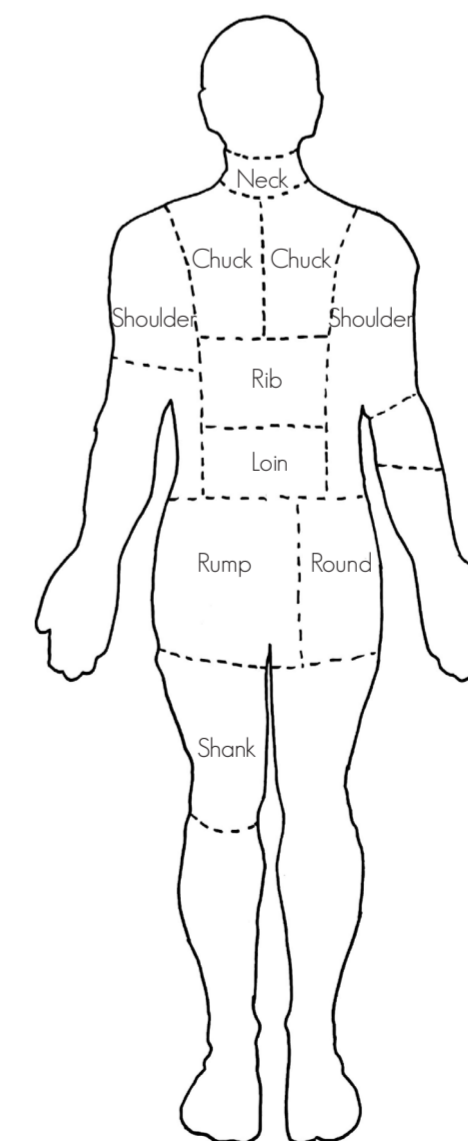
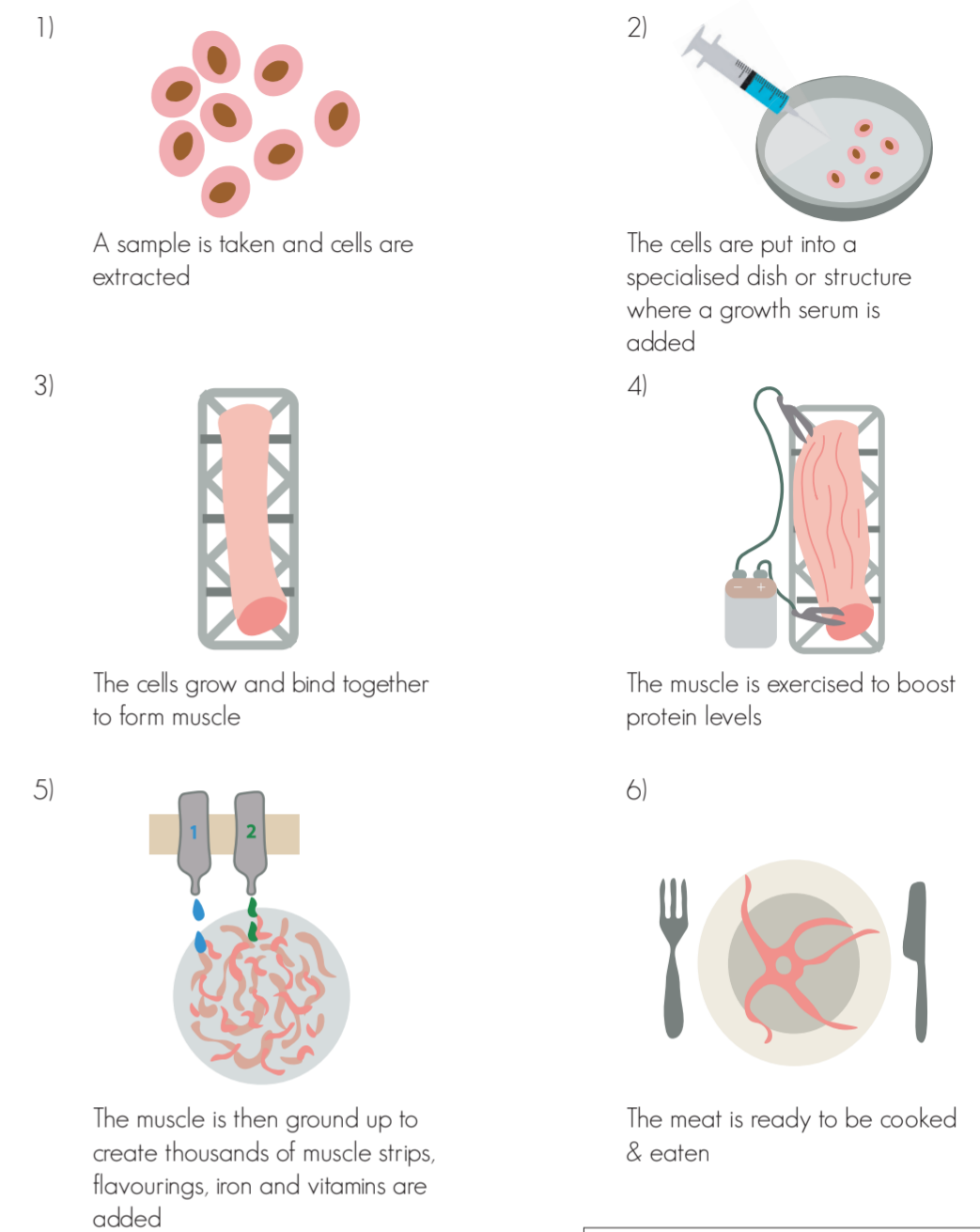
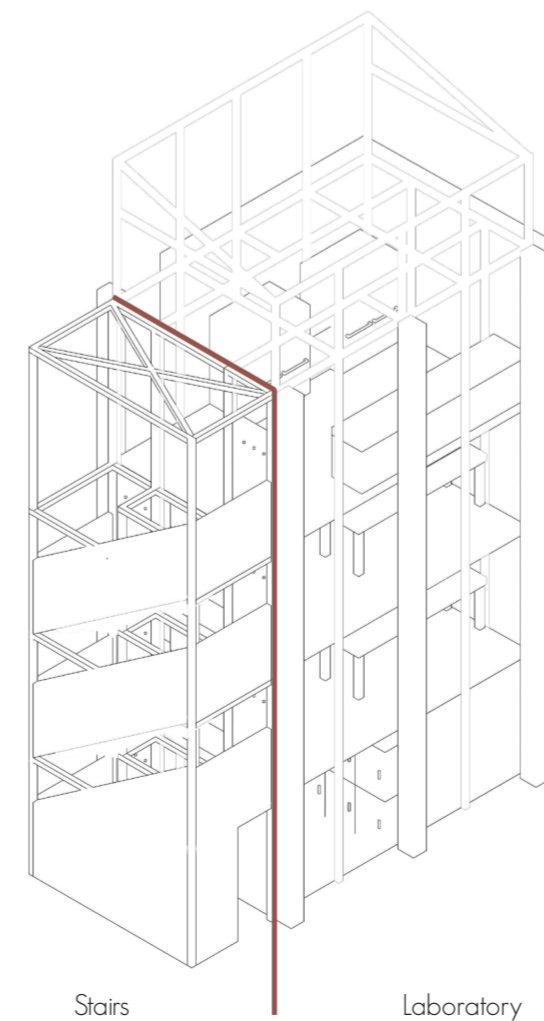
IVM can be used to replace any meat dish or to create a new dining experience. The *In vitro meat cookbook* written by Dr. Koert van Mensvoot, explores the potential of IVM through a series of creative and innovative dishes. The menu of Human Harvest will feature these dishes.

THE LABORATORY

The exploded axonometric shows the laboratory and the activities occurring within it.

Located at the heart of the site, the laboratory is its own object which inserts between the existing columns of 79-83 Charterhouse Street. The laboratory is visible over each floor and gradually reveals itself, through a gradient, as visitors travel through the site. The laboratory staircase is also an individual object which connects to each floor of the laboratory.

The primary activity is the growing of the meat. Once stem cells have been extracted from the donor point, they are taken to the laboratory to undergo the growth process. On the third floor of the laboratory, the human meat is passed over to the kitchen. This level lines up with the second floor of the site where the kitchen and bistro are located, allowing for an easy exchange of goods.



**BISTRO IN VITRO**

Bistro In Vitro  
79-83 Charterhouse St.  
London  
EC1M 6HJ

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Till 1  
Staff: Jude 07/05/2022  
Order: 305 15:07 AM

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1 Lab Sweetbread	8.99
1 Crane origami	7.99
2 Rustic In Vitro	29.98
1 IVM Ice Cream	4.99
1 Throat Ticker	6.99
4 B-52 cocktail*	47.96

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Product Group Summary  
Food 58.94  
Drink 47.96

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Savings  
\*2-4-1 23.98

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TOTAL  
£82.92

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Optional service charge 10%  
£8.29

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VAT 20%  
£16.58

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Payment Card  
DEBIT MASTERCARD  
XXXX XXXX XXXX 1234  
CHARGE £91.21

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Auth No: 012858

THANK YOU FOR YOUR VISIT  
\*\* CUSTOMER COPY\*\*

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HUMAN HARVEST



**MATERIALITY**

- 1 - Human hair fabric
- 2 - Stained oak flooring
- 3 - Brass
- 4 - Deep-red tile
- 5 - White tile
- 6 - Blood
- 7 - Bio-plastic
- 8 - Glass
- 9 - Vinyl flooring
- 10 - Stainless steel frame
- 11 - Perforated metal

The materiality of the site takes inspiration from traditional butcher shops. Ceramic tiles will be found throughout the site

Ceramic tiles will be featured across the site. They will be found in deep pink-red and white. All of the walls will be tiled, some areas will also have tiled flooring.

Brass which has a high copper value will be used in both the labs and public areas. Brass (which is high in copper) has antimicrobial properties so microbes cannot survive on the surface, and die within 2 hours. The brass will be used for surfaces which get touched often, for example, door handles and hand rails. Brass was chosen rather than copper to link back to the materiality of a butcher shop.

I have also incorporated new materials which further the element of sustainability within Human Harvest.

A fabric made from human hair will be used as a cushion cover for all seats on the site. Human hair was chosen to further the aspect of the human harvest.

Bio-plastic will be used in the walls surrounding the lab. This will be the key focus of the site and will be visible from all levels. Its translucent properties are ideal to create a gradient appearance for lab reveal, this will be created by layering the material. The bio-plastic will be sandwiched between glass for extra stability. The bio-plastic will have a deep pink-red colouration. I created a bio-plastic sample from cornflour, vinegar, glycerin and water.

Perforated metal will be used for the laboratory stairs. Various hole diameters will be featured to coincide with the gradient caused by the layered bio-plastic. The perforated metal will be powder coated in a deep pink/red colour.

**WE  
WANT  
YOUR  
CELLS**

**THE  
FUTURE  
IS  
HUMAN**

**GROW  
YOUR  
OWN  
MEAT**

**SAVE THE  
EARTH,  
EAT YOUR  
UNCLE**

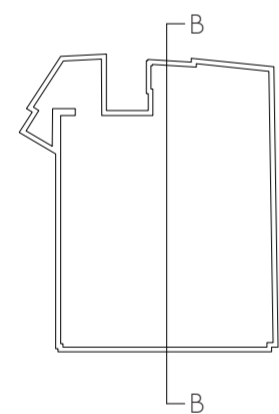


**VISUALS (BELOW)**

The first visual shows the ground floor. When visitors enter the site they will find a taster area and bar. Here they get a first taste of human in-vitro meat (IVM) and gain an insight into what the site is all about. As they continue to travel past the bar, they will find the IVM cinema area to further discover what is happening on site.

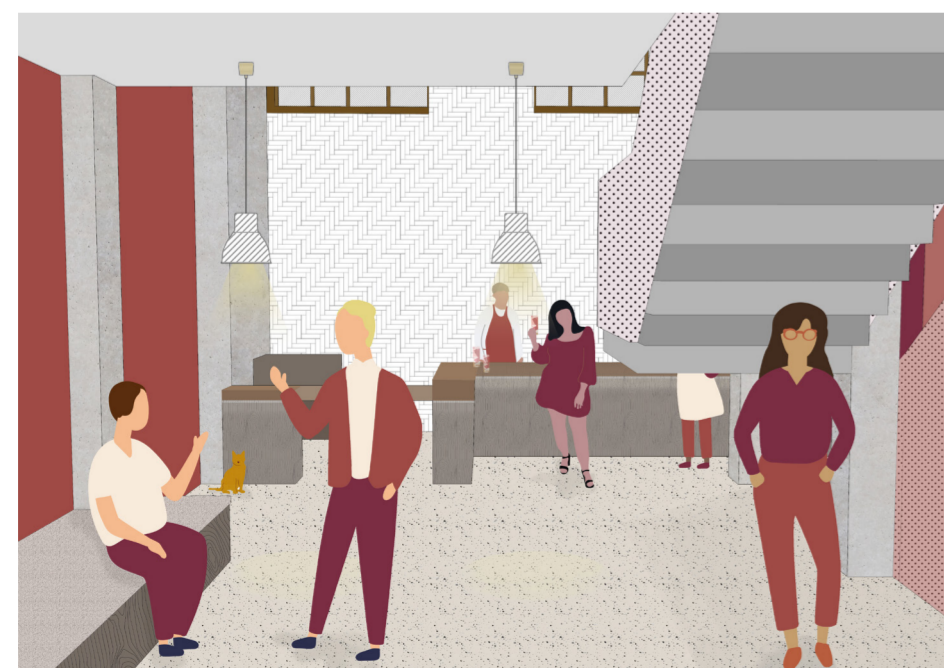
As visitors ascend to second floor they will find the research hub. The scientific research relating to the human (IVM) is stored here, if interested visitors may examine the data to discover more about IVM.

The third floor is where the bistro dining area is located. It is also the level where the laboratory is fully revealed. Visitors to the site can enjoy a three-course dining experience trying IVM cooked in new unique ways.



**SECTION BB 1:100**

- 1 - Donor Entrance
- 2 - Public viewing window
- 3 - Donor waiting area
- 4 - Lab hand & eye wash point
- 5 - Laboratory
- 6 - CO<sub>2</sub> gas cylinder storage
- 7 - IVM cinema area
- 8 - Staff corridor
- 9 - Stock room



MAIN ENTRANCE



RESEARCH HUB



BISTRO