



\* Mark Dion, Mobile Wilderness Unit – Wolf, 2006



\* SnailSnap



\* Robert Zhao Renhui, A Guide to the Flora and Fauna of the World, 2013. Tuskless elephant

# TUSKLESSNESS IS TRENDING

## Naturally Occurring in Africa

Only 2 to 4 percent of female African elephants never develop tusks in the wild.



Unpoached populations

- Tusked female
- Tuskless female

## Mozambique: Gorongosa National Park

Tuskless elephants eluded poaching during the civil war and passed this trait to many of their daughters.



25 years or older  
(civil war survivors)

## Tanzania: Ruaha National Park

Poaching in the 1970s and '80s gave tuskless elephants here a similar biological advantage.



25 years or older



24 years or younger



5 to 25 years old



\* Elephant using tusks to debark a tree. Photo by Kalyan Varma



\* A dehorned rhino at a farm outside Klerksdorp, South Africa.  
Photograph: Siphiwe Sibeko/Reuters

# Artificial Selection in Dogs

- Dogs were probably first domesticated at least **14 000** years ago from a **gray wolf** ancestor.
- Some **400 breeds** have been bred from this single wild species as a result of selective breeding by humans.
  - Example: The staffordshire bull terrier was produced by breeding bulldogs and terriers. From each litter, breeders selected pups with the characteristics they desired.





\* El Rey Magnum RCF, 2017

The Exquisite Beauty of El Rey Magnum RCF. Like a fine wine, this extraordinary colt, owned by Orrion and perfectly presented by David Boggs, just keeps getting more and more beautiful with age.

His beauty is redefining Arabian Type as we know it.





\* Taryn Simon, White Tiger (Kenny), 2007. Selective Inbreeding,  
Turpentine Creek Wildlife Refuge and Foundation





\* Jacob Marrel (1614-1681). Three tulips and an anemone





## Prime traits

The aurochs went extinct 400 years ago, but its genes persist in living breeds. By crossing heritage cattle, breeders are combining key traits.

### Forelocks

Long, curly hair.

### Coat color

Deep brown to black, with a white stripe running down the back. Light-colored muzzle.

### Horns

Light-colored with dark tips. Up to 130 cm long and 20 cm wide at base.



### Size

Larger aurochs stood 155–180 cm tall at the shoulder.

### Shape

Long and slender legs, elongated and large head, strong neck and shoulder muscles.



# Bringing back the aurochs



Pyrenean ibex (*Capra pyrenaica pyrenaica*) Taxidermic Specimen, Regional Government of Aragon, Spain



\* Frozen leg of a 28,000 year old mammoth excavated in Siberia, at the Mammoth Museum lab in Yakutsk



\* Pleistocene Park. "An Ice Age Ecosystem To Save The World"

# Harvard Medical School scientists need a female volunteer willing to give birth to a genetically modified Neanderthal

Monday, July 25, 2016 by: David Gutierrez, staff writer  
Tags: [genetic engineering](#), [Neanderthal child](#), [Harvard](#)



NaturalNews.com

\* Natural Health, 25 July 2015



## Health News

Majority of consumers confused about "healthy" foods (Naturalnews.com) - 3 Hours Ago

Could you be suffering from a dehydration headache? (Naturalnews.com) - 3 Hours Ago

Are you getting enough of these healthy foods? (Naturalnews.com) - 3 Hours Ago

Fiat currency found to harbor dangerous bacteria, but SILVER has natural antibacterial properties (Naturalnews.com) - 5 Hours Ago

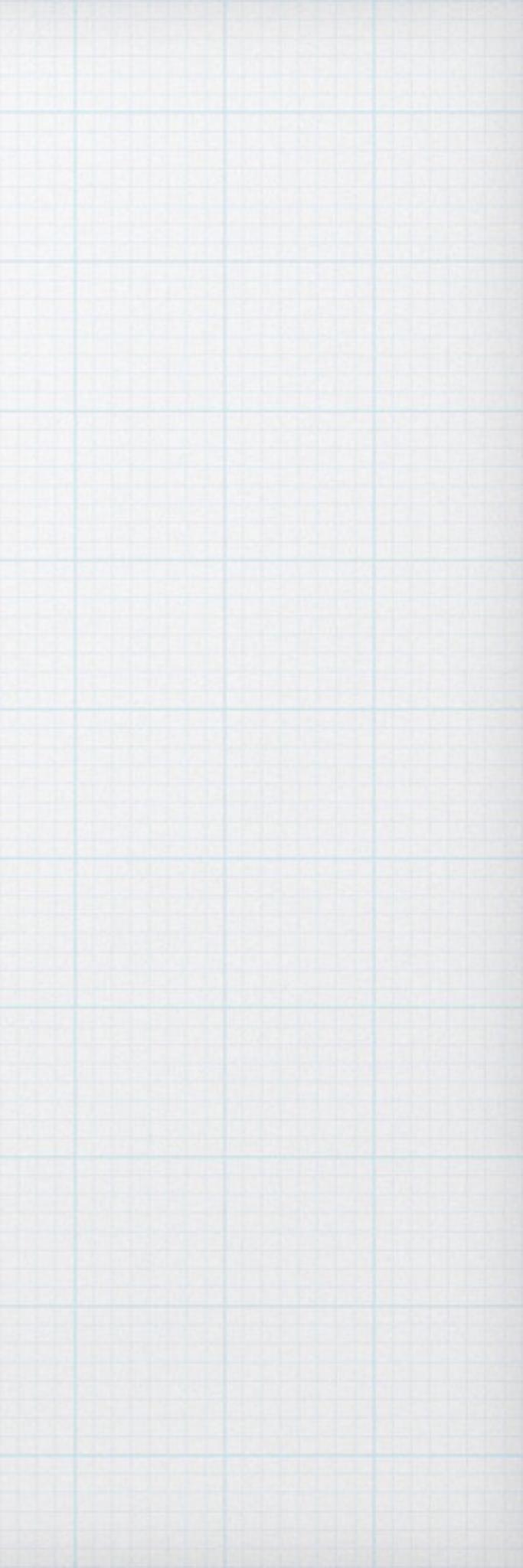
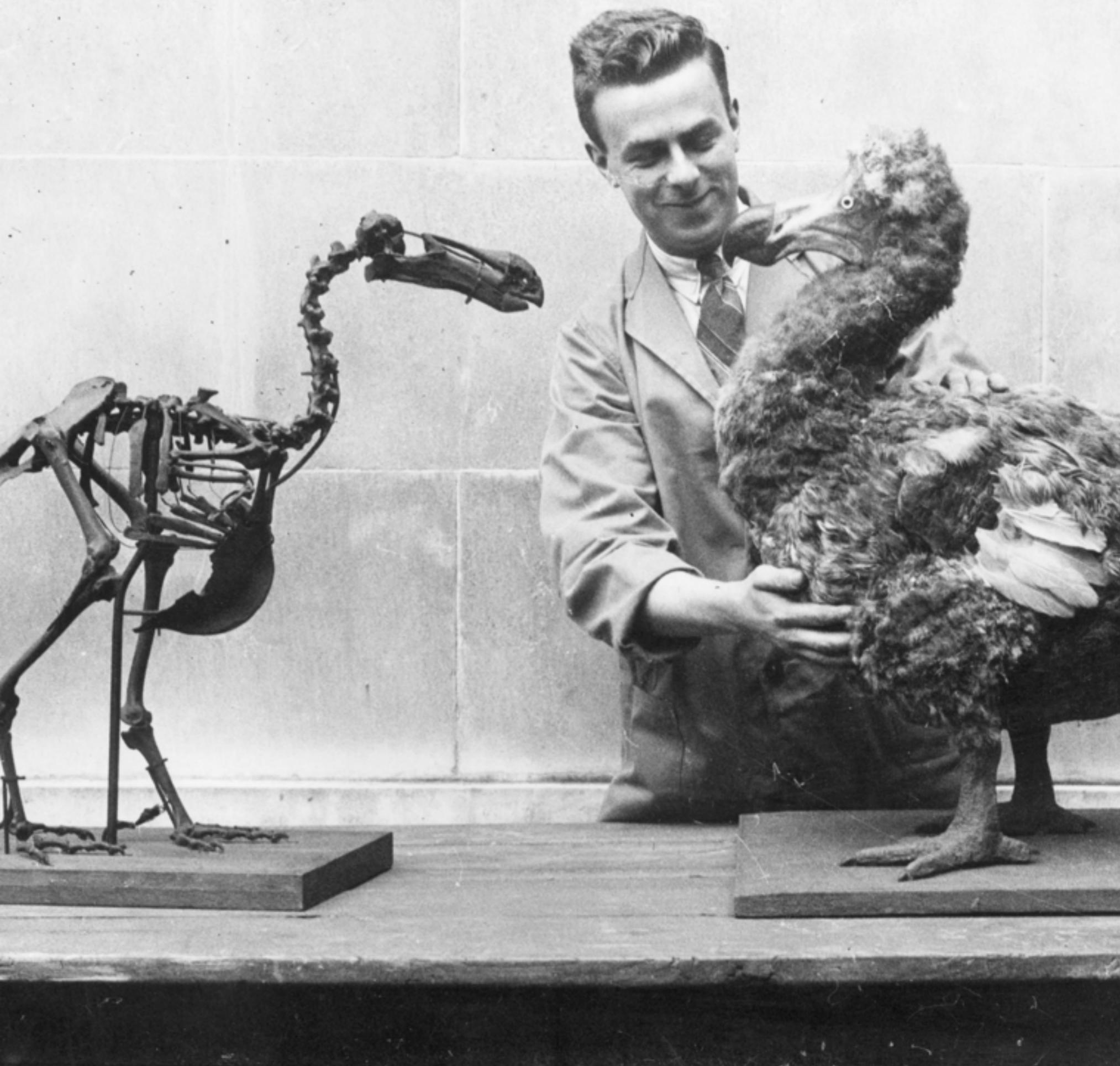
Health Ranger's science paper on cannabis extract analysis published in mainstream science journal LC/GC (Newstarget.com)

Health Ranger's science paper on cannabis extract analysis published in mainstream science journal LC/GC (Naturalnews.com)

AlternativeNews.com



\* Christian Frei and Maxim Arbugaev, Genesis 2.0,





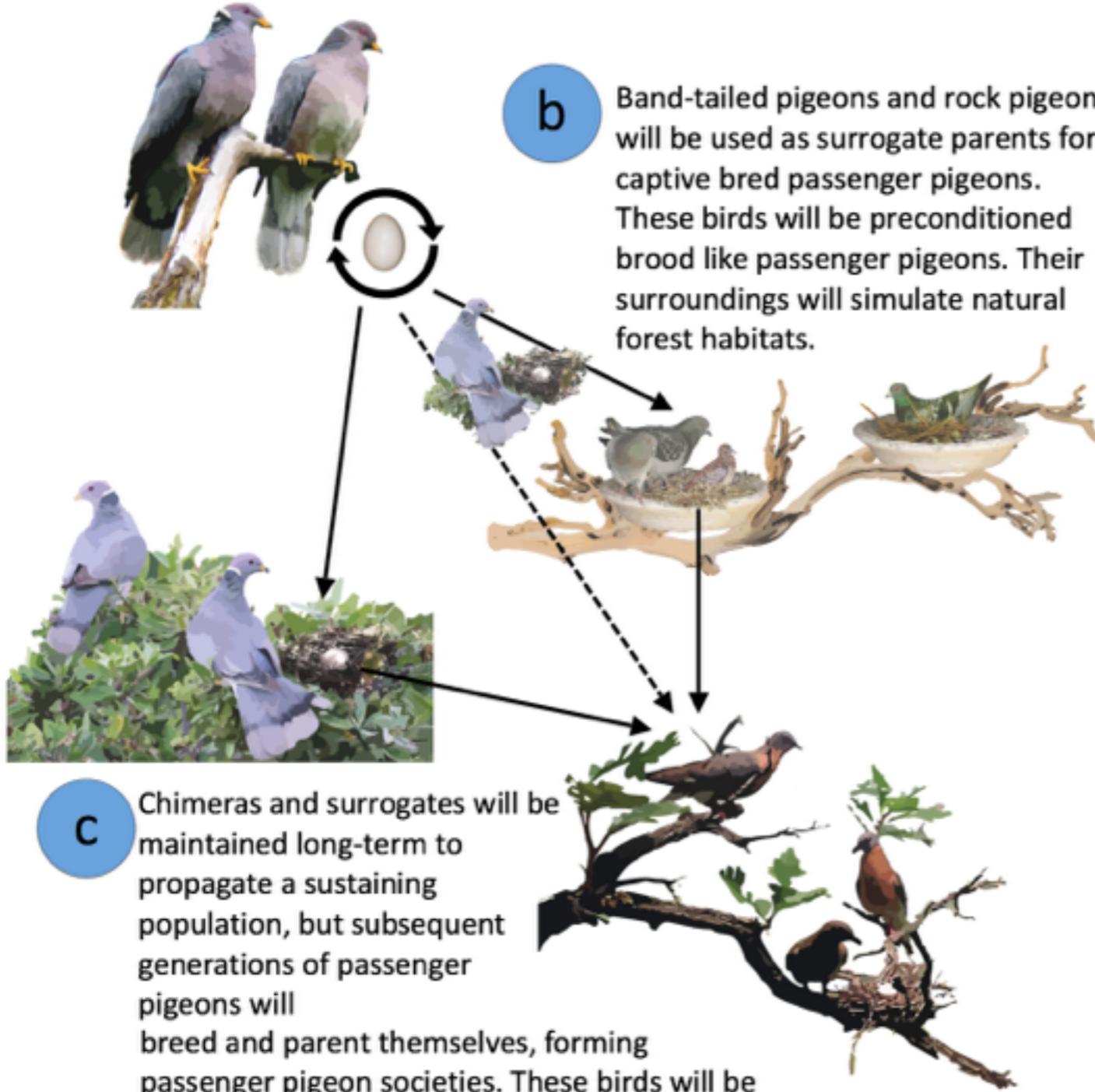
\* Martha, the last passenger pigeon. Photo by Robb Kendrick, National Geographic Creative. Taxidermic Specimen, Smithsonian Institution's National Museum of Natural History



# Captive breeding the next generation of Passenger Pigeons.

a

Germ-line chimeras will be cycled to produce eggs every 8-10 days through controlling the amount of daylight exposure, a practice commonly done with poultry.



\* Revive & Restore, de-extinction of the American passenger pigeon



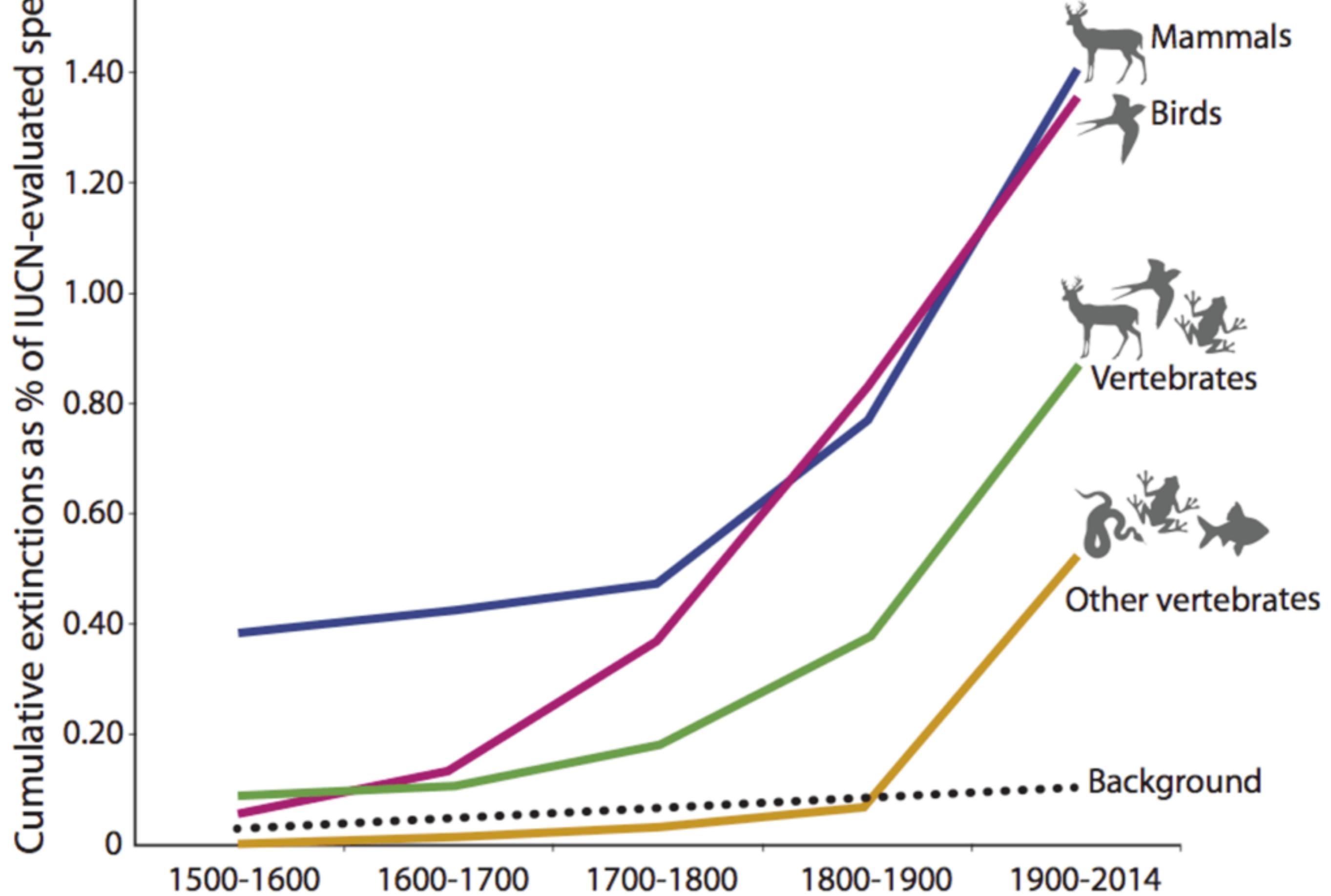
Tina Gorjanc, The Phylogenetic Atelier, 2018. Exhibition view at FAKE: THE REAL DEAL? Photo credits: Science Gallery

\* Tina Gorjanc, The Phylogenetic Atelier, 2018. Exhibition view at FAKE: THE REAL DEAL? Photo credits: Science Gallery Dublin



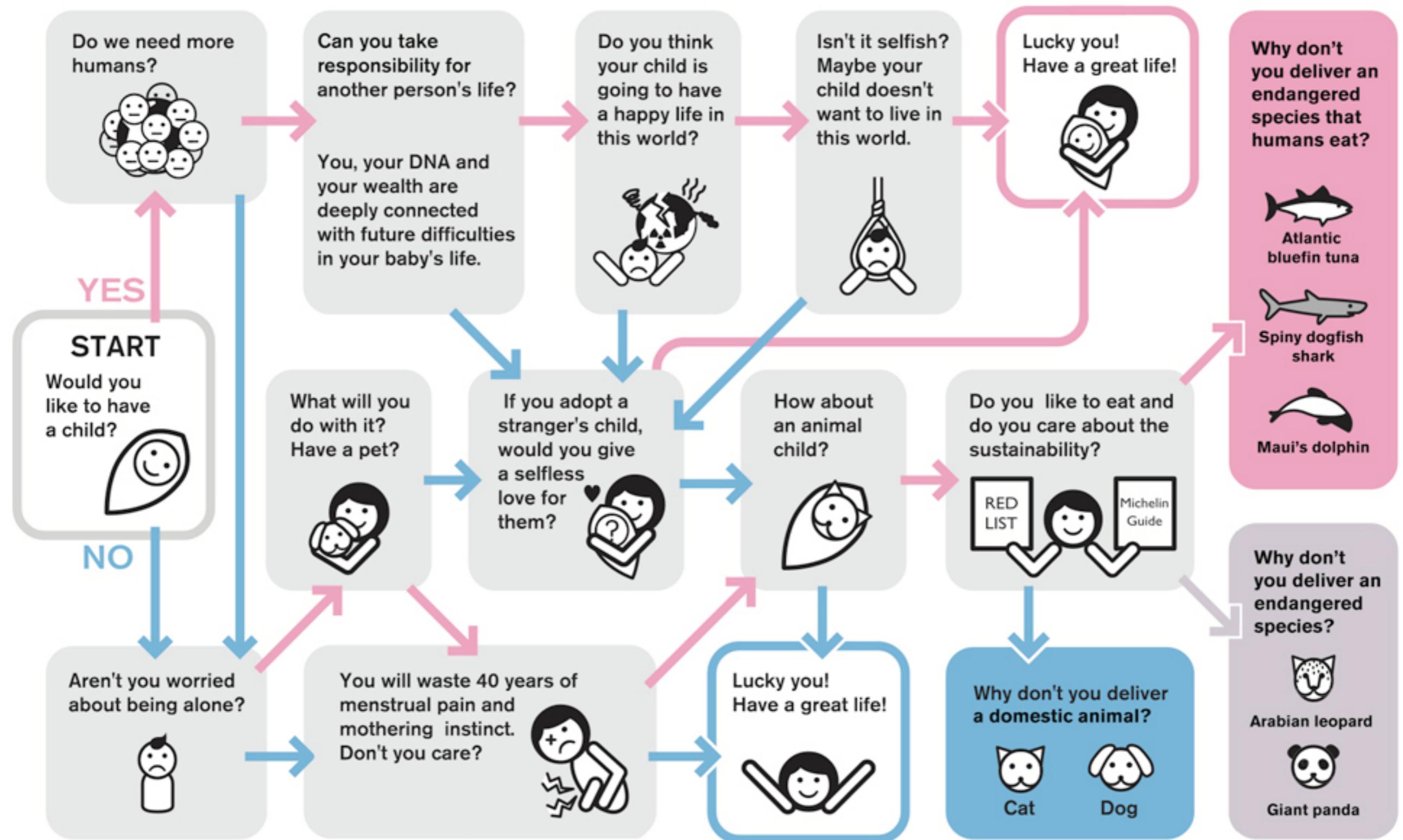


Tina Gorjanc, *The Phylogenetic Atelier*, 2018. Exhibition view at FAKE: THE REAL DEAL? Photo credits: Science Gallery



\* Cumulative vertebrate species recorded as extinct or extinct in the wild by the IUCN (2012)

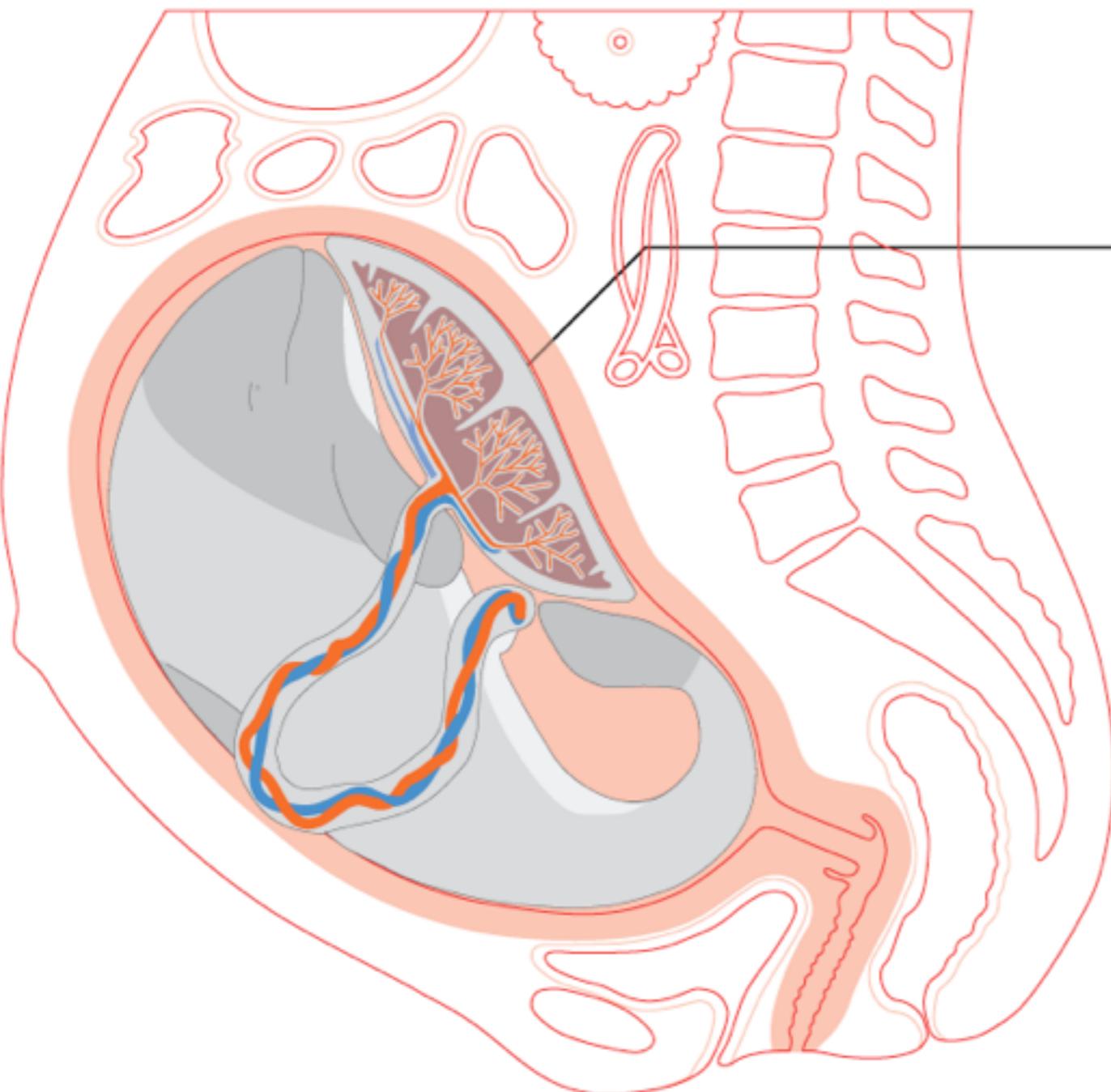
# Dilemma chart (Why don't I get pregnant with...)



\* Ai Hasegawa, I Wanna Deliver a Dolphin, 2013



\* Ai Hasegawa, I Wanna Deliver a Dolphin, 2013



## Maui's dolphin (Critically Endangered)

The world's rarest and smallest known subspecies of dolphin.

As of 2012, it is estimated that 55 Maui's dolphins exist in the world.

Adults measure between 1.2 - 1.4 m and weigh up to 50 kg.

The newborn baby is almost the same size as a human baby (50 - 60 cm).

Life span 20 years. New Zealand, West coast of North Island.

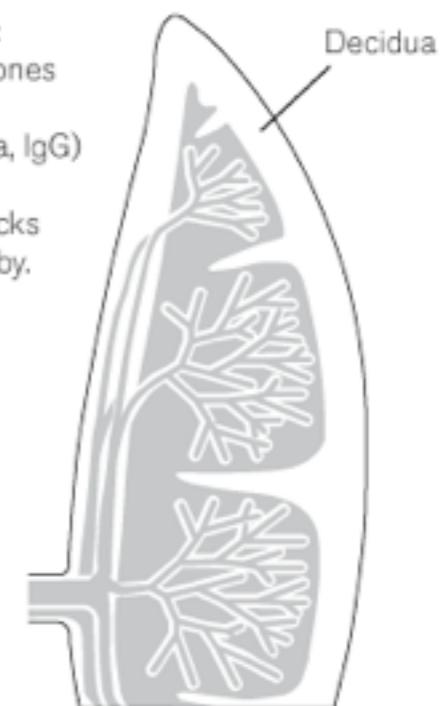
## Dolp-human Placenta

The placenta originates from the baby's side, which in this case is a dolphin, and not from the human side. This avoids the ethical and legal difficulties associated with reproductive research involving human eggs.

The decidua is formed by implantation of the egg. Usually, foreign cells in the body (for example from other individuals) are attacked by the immune system, but inside the decidua, they are tolerated. However, even though the decidua accepts cells from other individuals, non-human cells would still be attacked. In the dol-human placenta's case, it has been modified to distinguish mammals from non-mammals, making it even more tolerant.

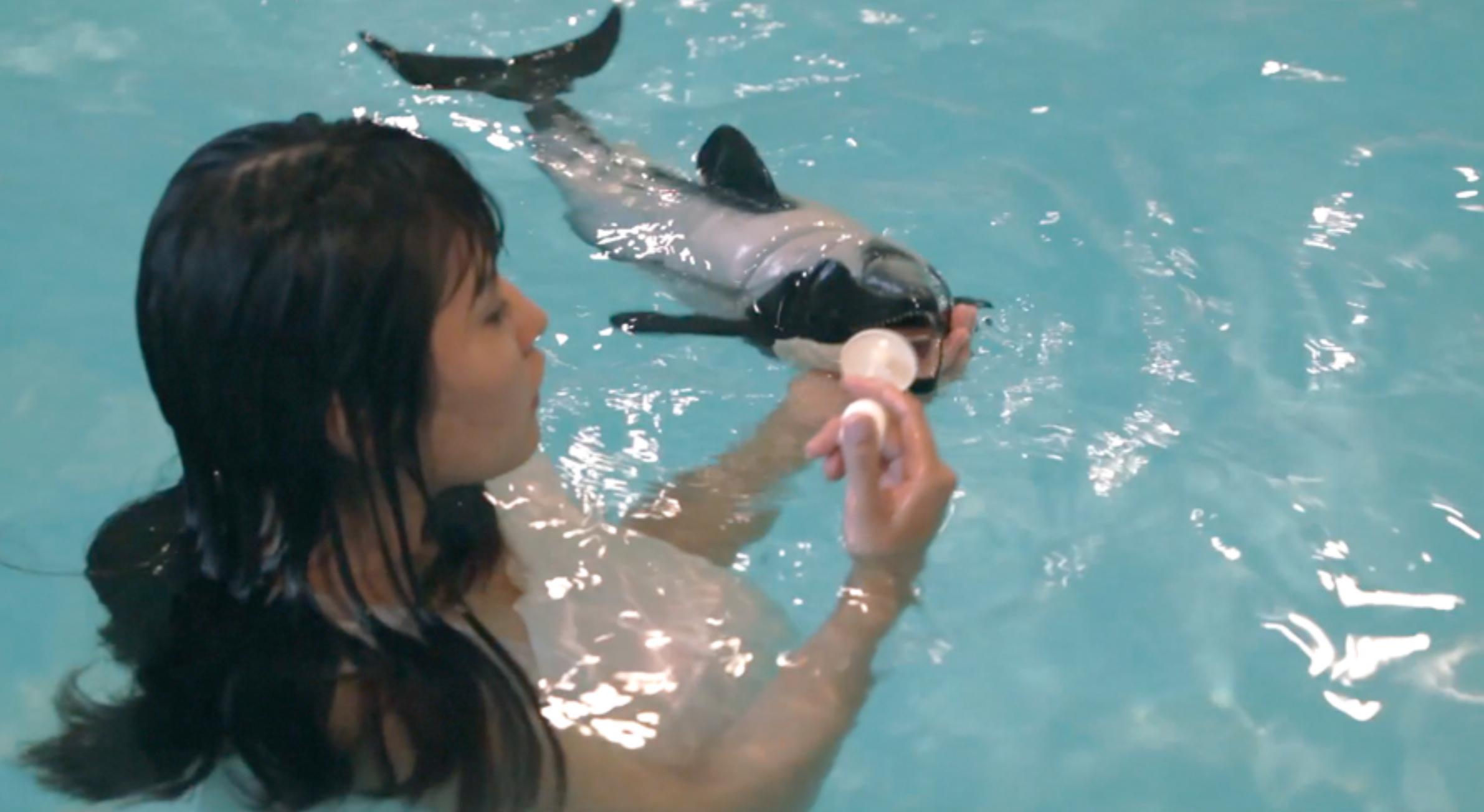
Normal human placenta:  
Oxygen, nutrients, hormones  
and antibodies  
(immunoglobulin Gamma, IgG)  
delivered to the baby.  
Dol-human placenta blocks  
delivery of IgG to the baby.

Wastes and carbon  
dioxide delivered  
from the baby



## First milk

Dol-human placenta blocks delivery of human IgG to the dolphin baby. Usually Dolphin placenta does not pass the immune system from the mother. Instead it is passed by the 'first milk', which contains high levels of several antibodies. Also, dolphin milk contains high levels of fat. The human mother needs to feed the synthesised first milk to the baby just after the delivery.



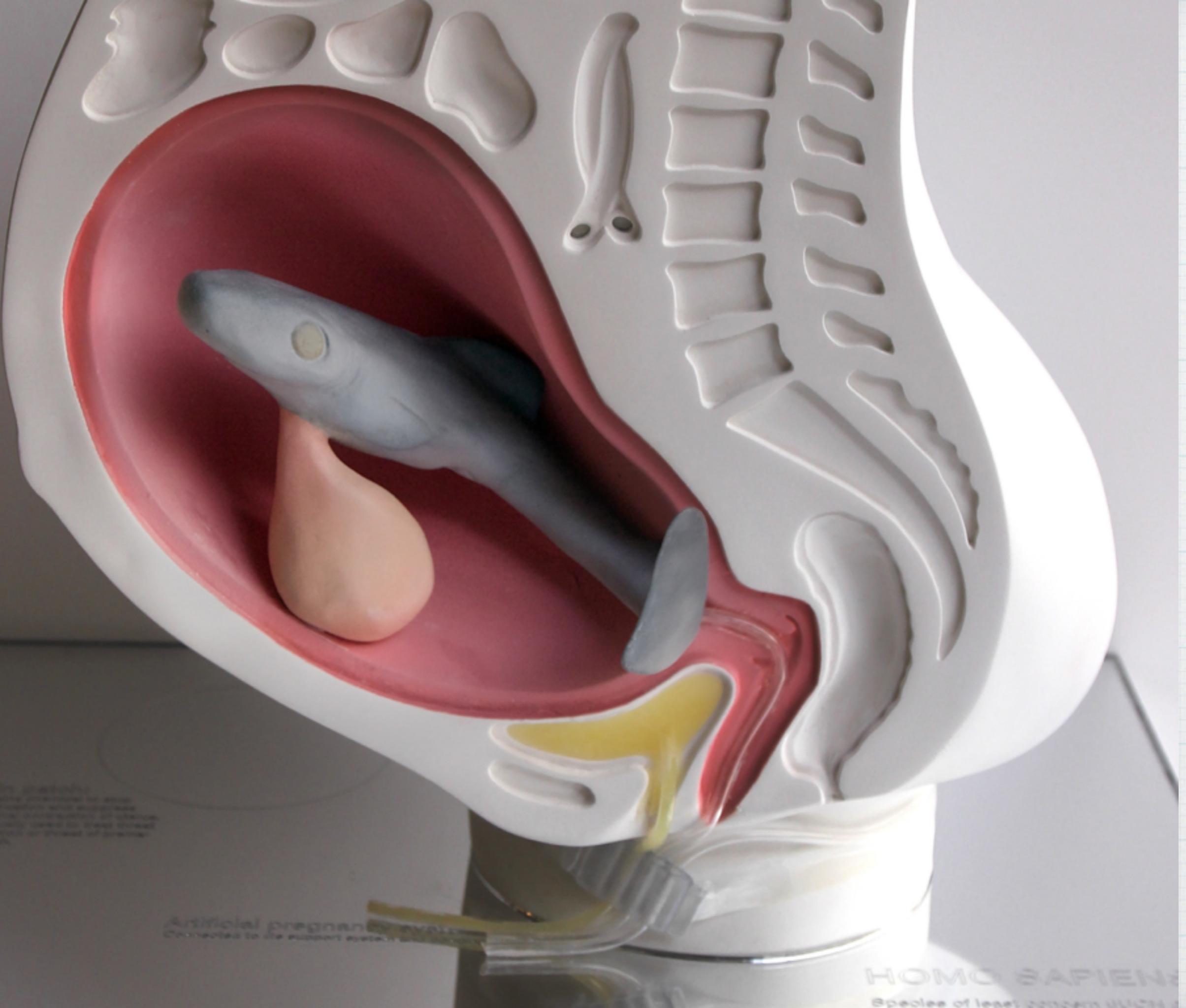
\* Ai Hasegawa, I Wanna Deliver a Dolphin, 2013

\* Grow Your Own Food! (GB,  
1942)

..every available piece of land must be cultivated



**CROW YOUR OWN FOOD**  
supply your own cookhouse



Artificial pregnancy  
Connected to the support system  
of the body.

Artificial pregnancy  
Connected to the support system

HOMO SAPIENS  
Species of legal concern which



\* Maja Smrekar, Hybrid Family, 2015. Photo © M. Smrekar & M. Vason



\* Maja Smrekar, Hybrid Family, 2015. Photo © M. Smrekar & M. Vason



\* Maja Smrekar, Hybrid Family, 2015. Photo © M. Smrekar & M. Vason



\* Fina Miralles, Imatges del zoo, 1974



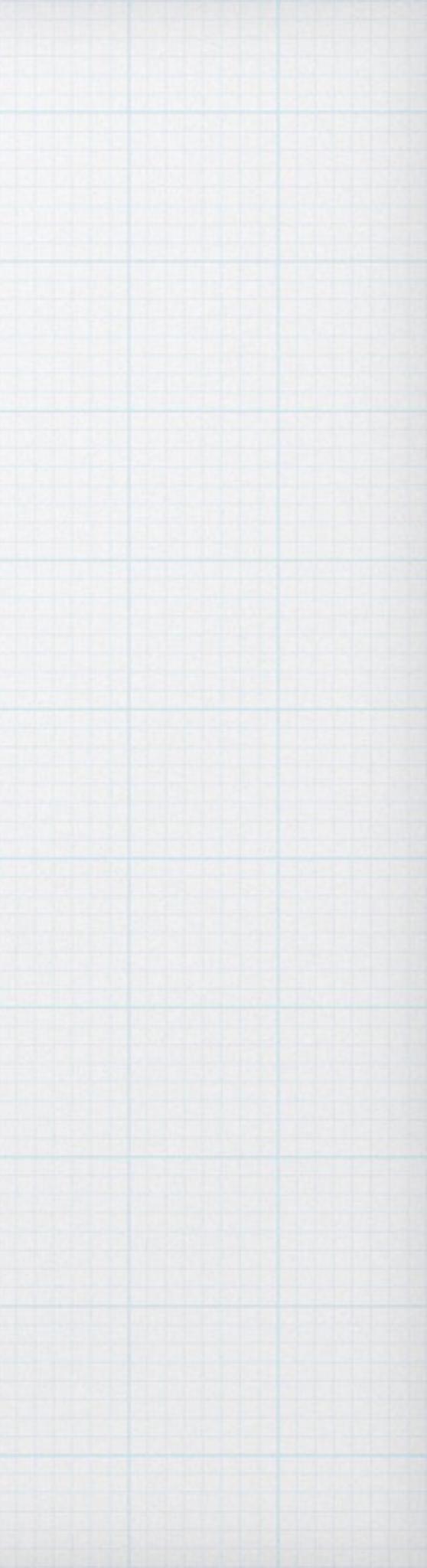
\* Araya Rasdjarmrearnsook



\* Araya Rasdjarmrearnsook, Village and Elsewhere: In this circumstance the sole object of attention should be the treachery of the moon, 2012. Photo: Universe in Universe



\* Pierre Jouventin, Kamala





\* Pierre Jouventin, Kamala "rescues" pack member from the bath





\* Pierre Jouventin, Kamala "rescues" pack member from the bath



\* Pierre Jouventin, Kamala "rescues" pack member from the bath

\* Wolf restrains pack member  
that is trying to descend  
through a window



- \* Wolf attempts to stop fight between two pack members





\* Art Orienté objet, Que le cheval vive en moi, 2011. Photo: Miha Fras

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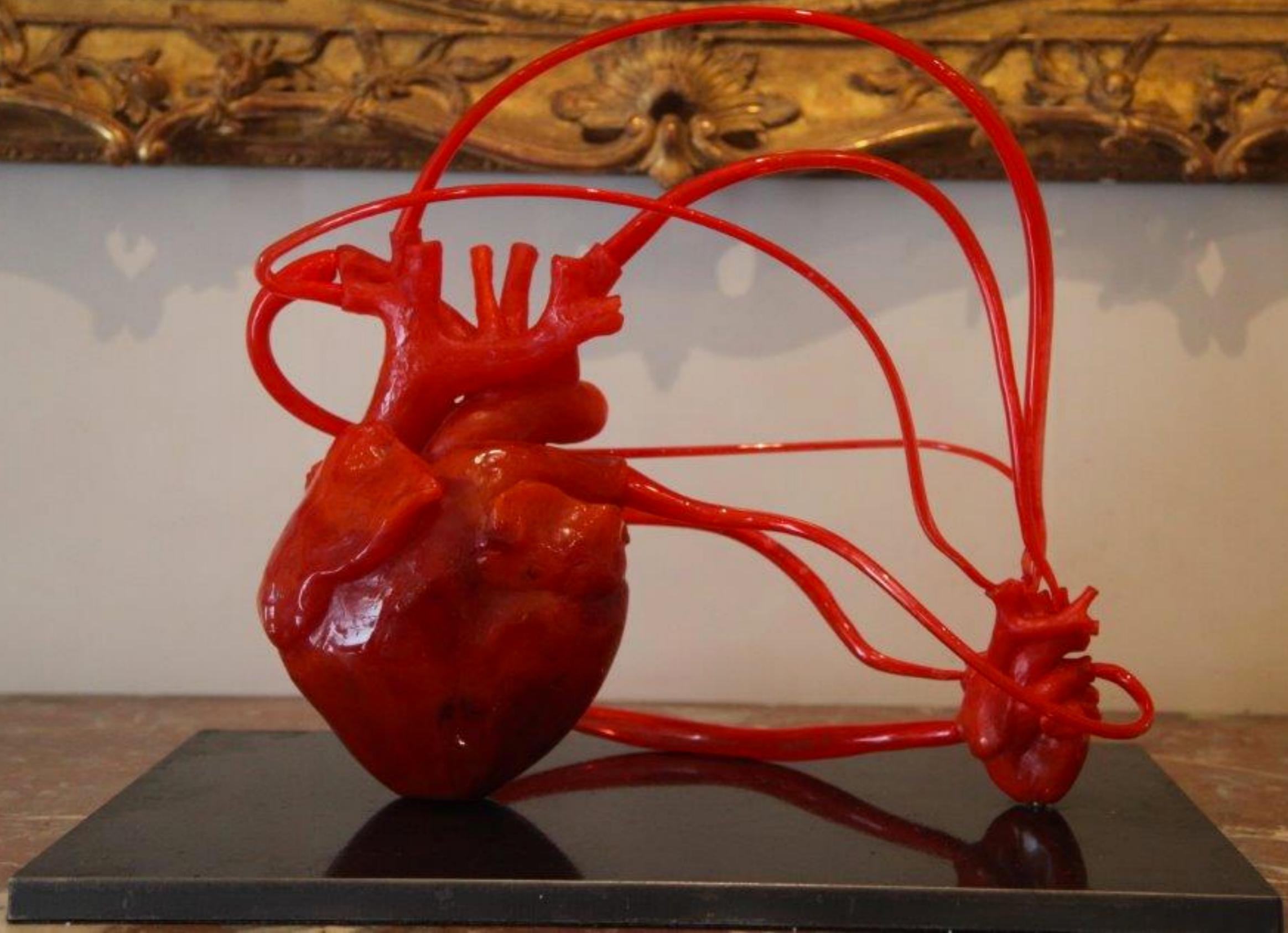




\* Art Orienté objet, Que le cheval vive en moi, 2011. Photo: Miha Fras



\* Herakles against a centaur



\* Art Orienté objet, Cœurs de verre, 2013



Jannis Kounellis, Untitled (12 Horses), 1969 at the L'Attico  
Gallery, Rome



Jannis Kounellis, Untitled (12 Horses). Gavin Brown, 2015



Jannis Kounellis, Untitled (12 Horses). Gavin Brown, 2015



Maurizio Cattelan, Enter at Your Own Risk—Do Not Touch, Do Not Feed, No Smoking, No Photographs, No Dogs, Thank you, 1994. Photo by Adam Reich for Artsy.





A horse is landed from a British military transport ship at Boulogne, France, during World War I



GETTY IMAGES

Should we set  
ethical limits  
to  
aesthetics/  
creativity?



David Shirley,  
Ostrich, 2009





\* Egyptian Museum in Turin. Photo: Museo Egizio



Bryndis Snæbjörnsdóttir and Mark Wilson, *nanoq*: flat out and bluesome, 2006



June, 2006



Snæbjörnsdóttir/Wilson, nanoq: flat out and bluesome, 2006

A SURVEY OF BRITISH TAXIDERMIC POLAR BEARS



Snæbjörnsdóttir/Wilson, nanoq: flat out and bluesome, 2006



\* Damien Hirst, Mother and Child (Divided), 1993

Should we set  
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