

ETHICS + BIO

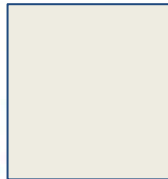
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BIO + ETHICS

Wieke Betten
VU university
Waag Society
@ouique



Woolly mammoth by Karen Ingram



Mar 12

"Is it morally just to create a pet woolly **mammoth** the same size as a French bulldog?" Wieke Betten **#biohacking** **#SXSW**



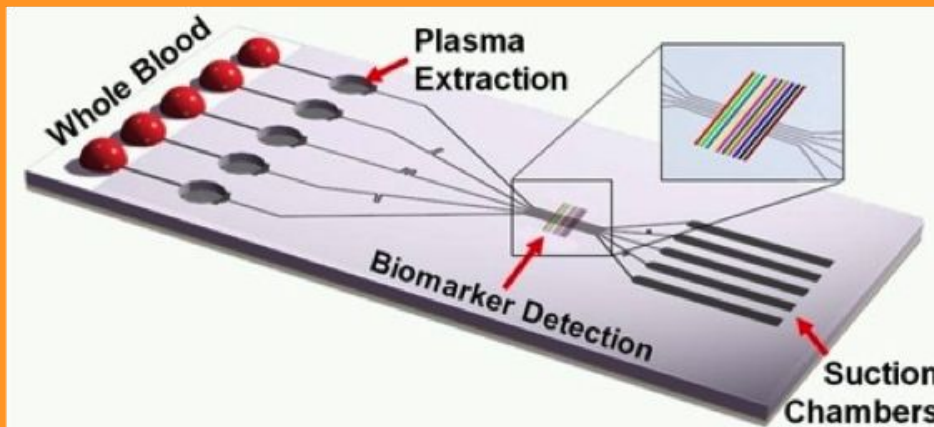
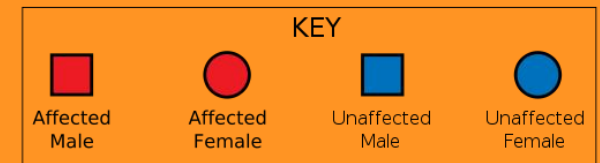
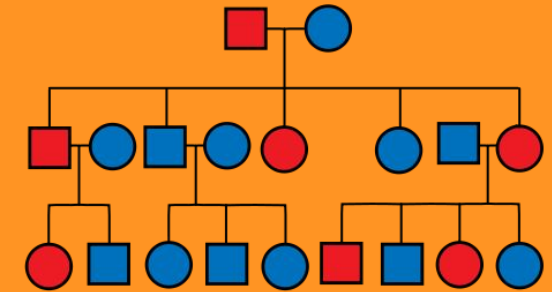
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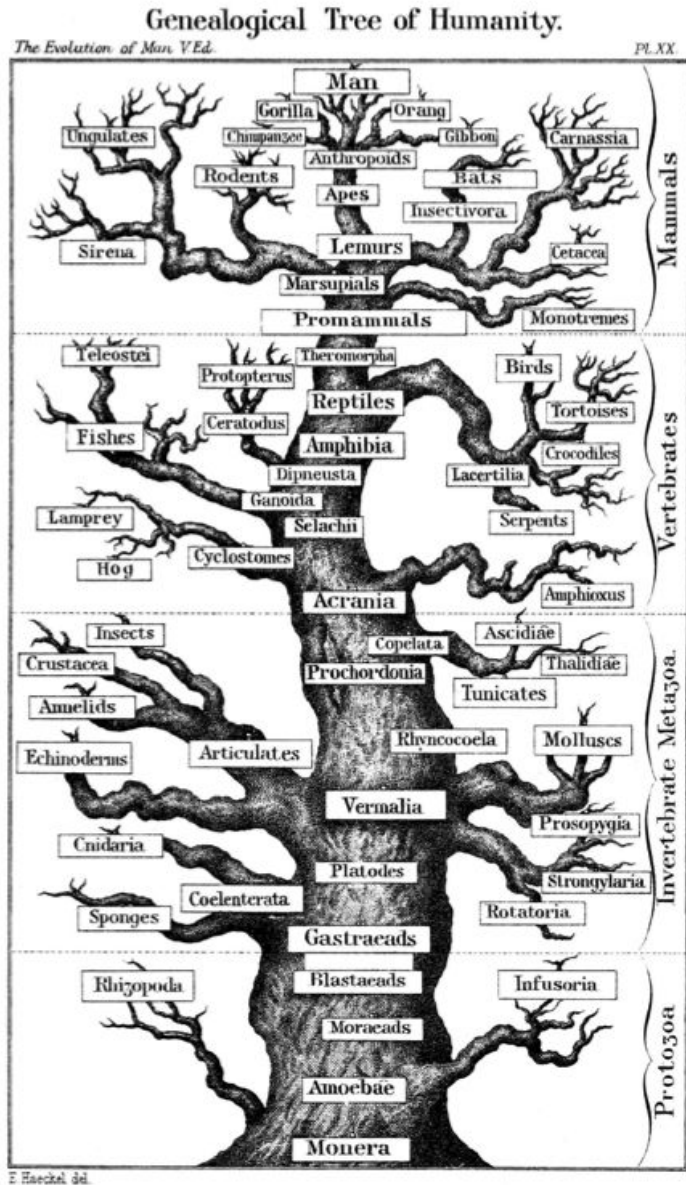
Questions & issues

Exo-life. Xeno-life. Synthesize life. Play with life. **Life.**
Health. Improvement. Access. Enhancement.
Manipulation. Responsibility. Openness. Consequences.
Boundaries. Distribution. Justice. Autonomy. Well-being.

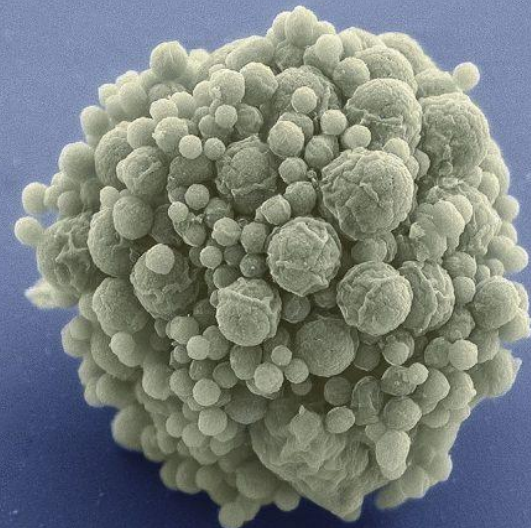
- New situations, new options, new decisions
- Altered conceptions
- The politics of things
- Mediated morality



LIFE?

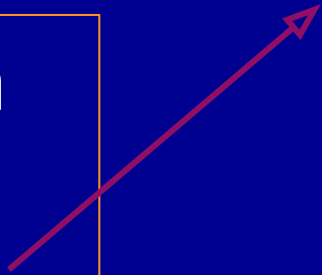


LEGO®



Sustainable

Matter / information
Life / non-life
Natural / unnatural
Creator / created
Making / growing
Knowing / making
Science / technology
Science / art
.. / ..



Doing ethics as a
formal process to
inform policies or
laws

‘Doing ethics’ as an
informal process as
we proceed to inform
what we are doing





Ethics on-the-go by Karen Ingram

| Person/actor/thing? | Deontological arguments | Consequentialistic arguments |
|---------------------|-------------------------|------------------------------|
| Mother | | |
| Father | | |
| Unborn baby | | |
| Doctor | | |
| Society | | |
| Family | | |
| .. | | |

Ethics-on-the-go: meanings of openness

Free to use; no costs
Sharing resources & tools
No patents
Easy to access, not hidden behind paywalls
and prescriptions
Re-create
to make new things out of it
for the benefit of the other, and for yourself
(test your tool)
'what science was meant to be hundreds of
years ago'

openness = progress
moral imperative / tax payers
fund research
transparency
reach of information, on how
you do your science (product
and process)
communication, also to wider
public
inclusivity, invitation of
stakeholders

Openness? Three vignettes

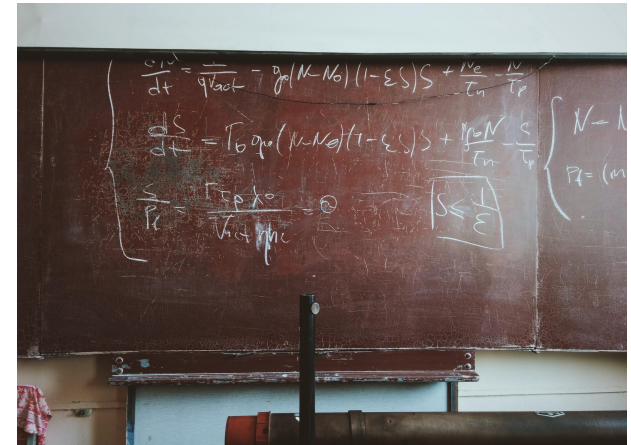
Access &
distribution



Weapon against
fraud



Better education
& more interest
in biology



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Discussion time