



waag society

institute for art, science and technology

Optics & the cell

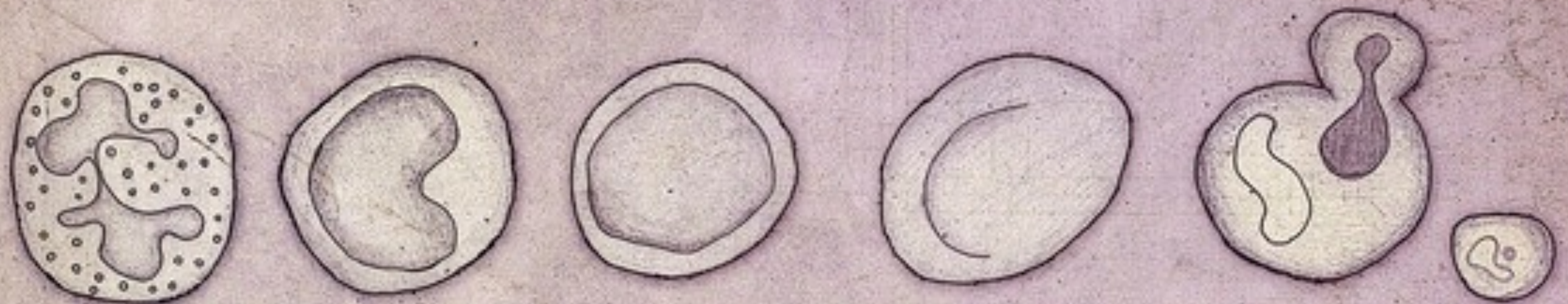
24-02-2015

Lucas Evers, Waag Society



Optics and how art and science divorced

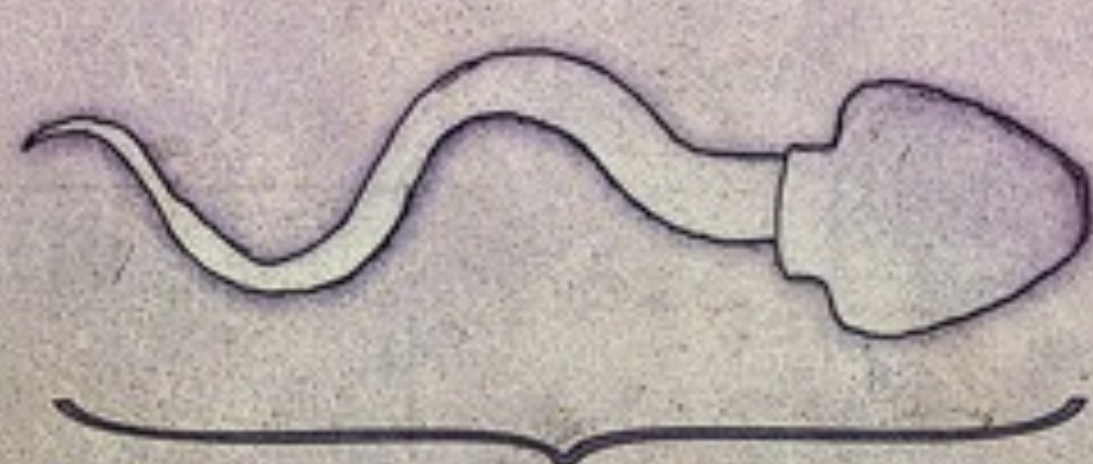
Microscopic observations by Anton Van Leeuwenhoek



White blood cells

Red blood cells

Yeast cells



Sperm cells

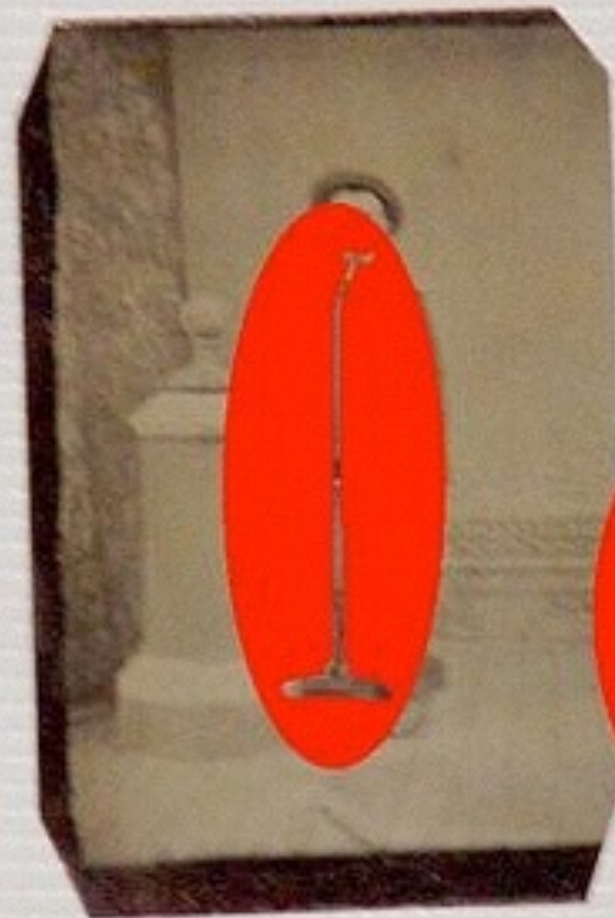
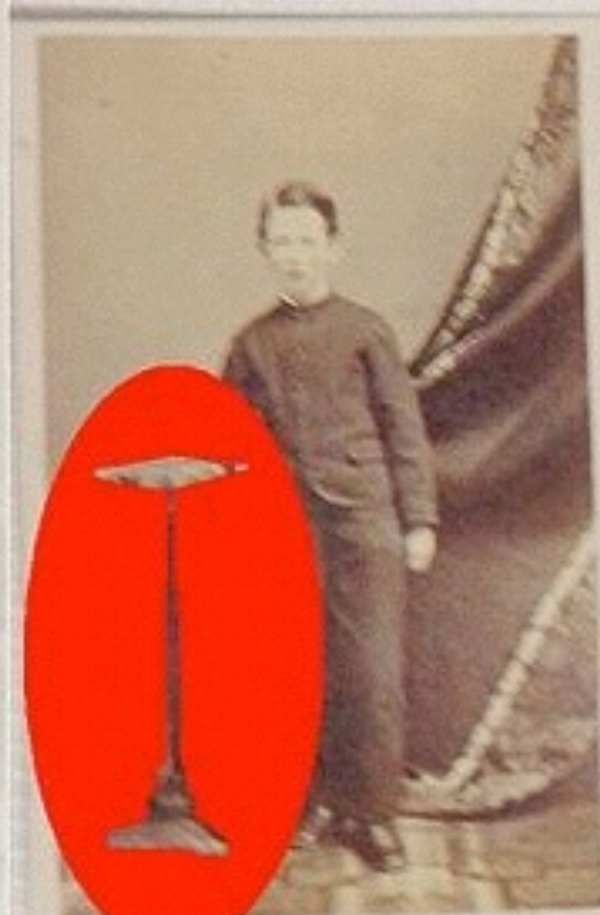


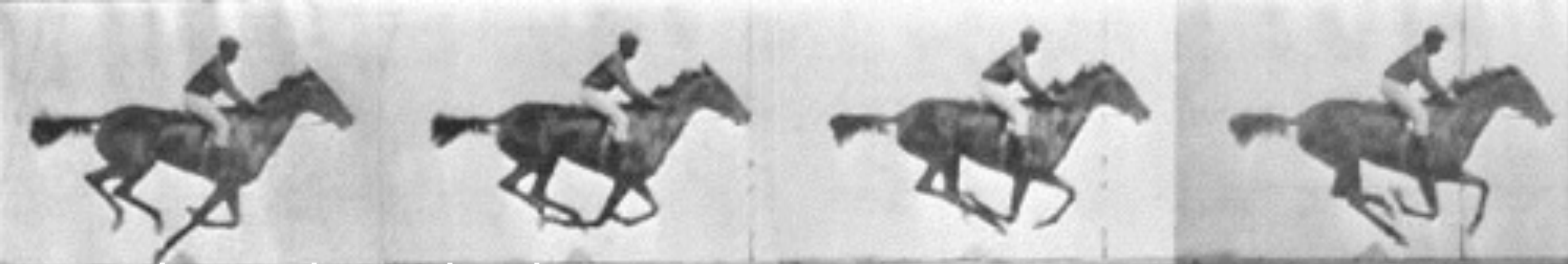
Bacteria cells

Boulevard du Temple – Louis Daguerre

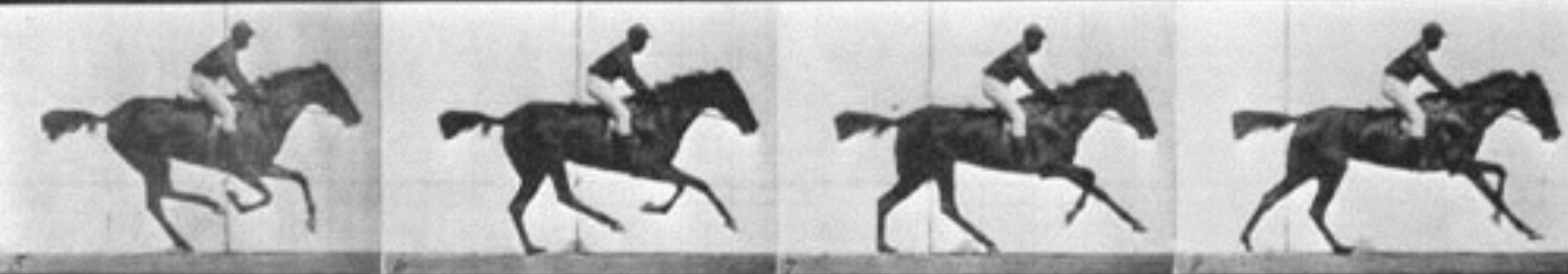


Brady stand





Edweard Muybridge



Alfred de Dreux





The Fantastic Voyage

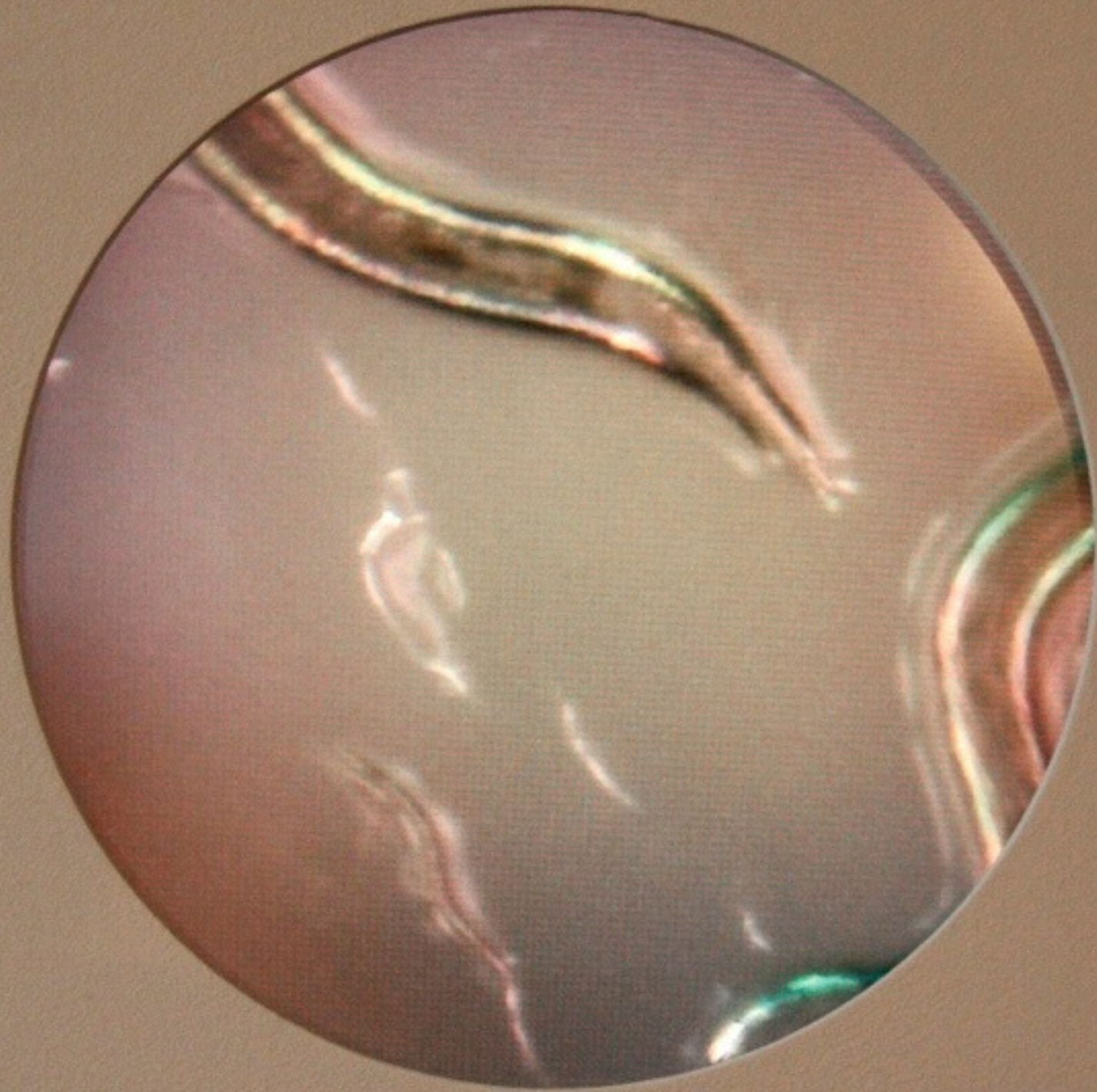
<https://www.youtube.com/watch?v=-hjiVViMuS4>



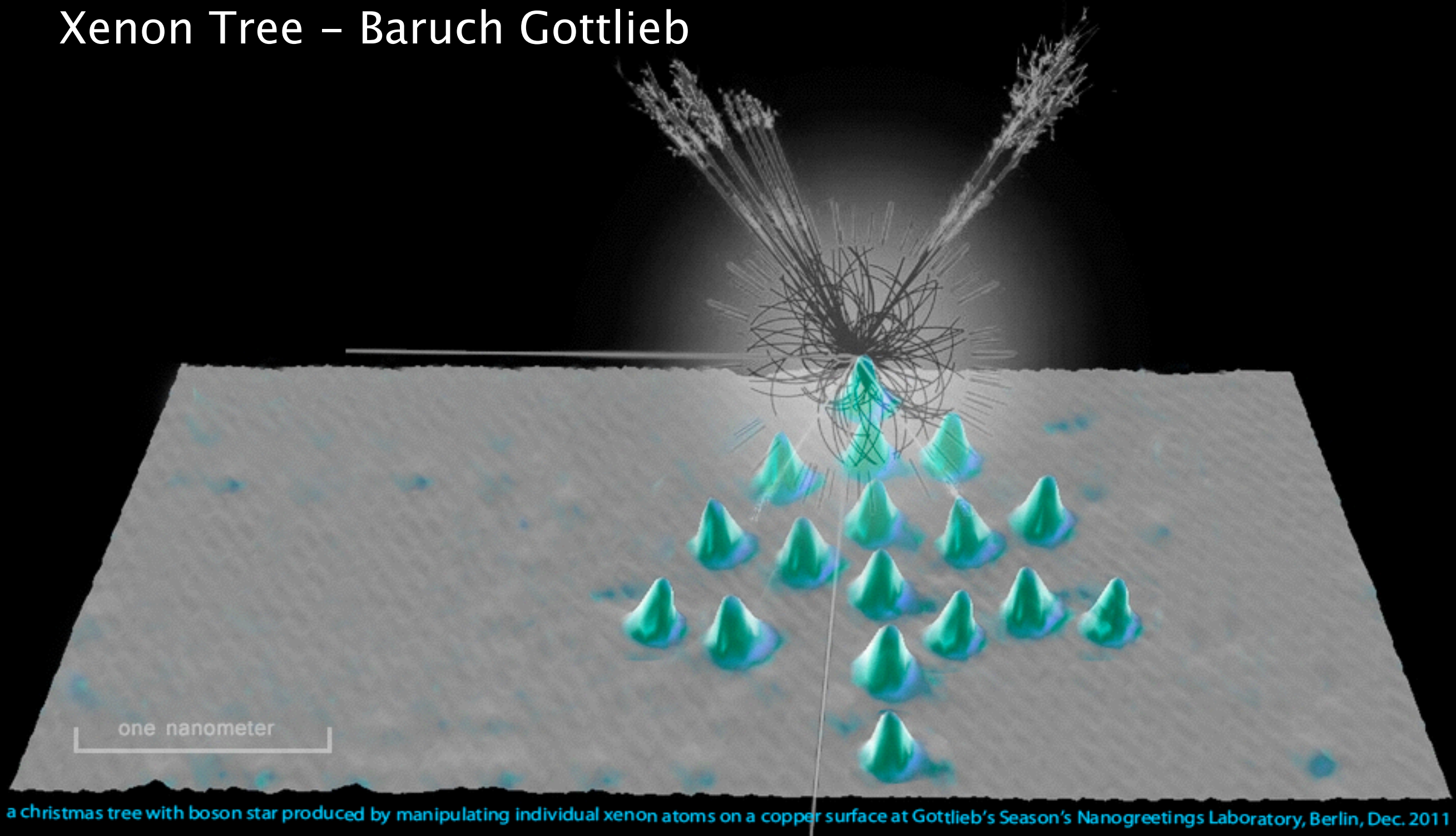
Organoids – Intestine wall repair

<http://www.nymus3d.nl/player2.php?id=47&lan=en>

Microscopic Opera – Matthijs munnik



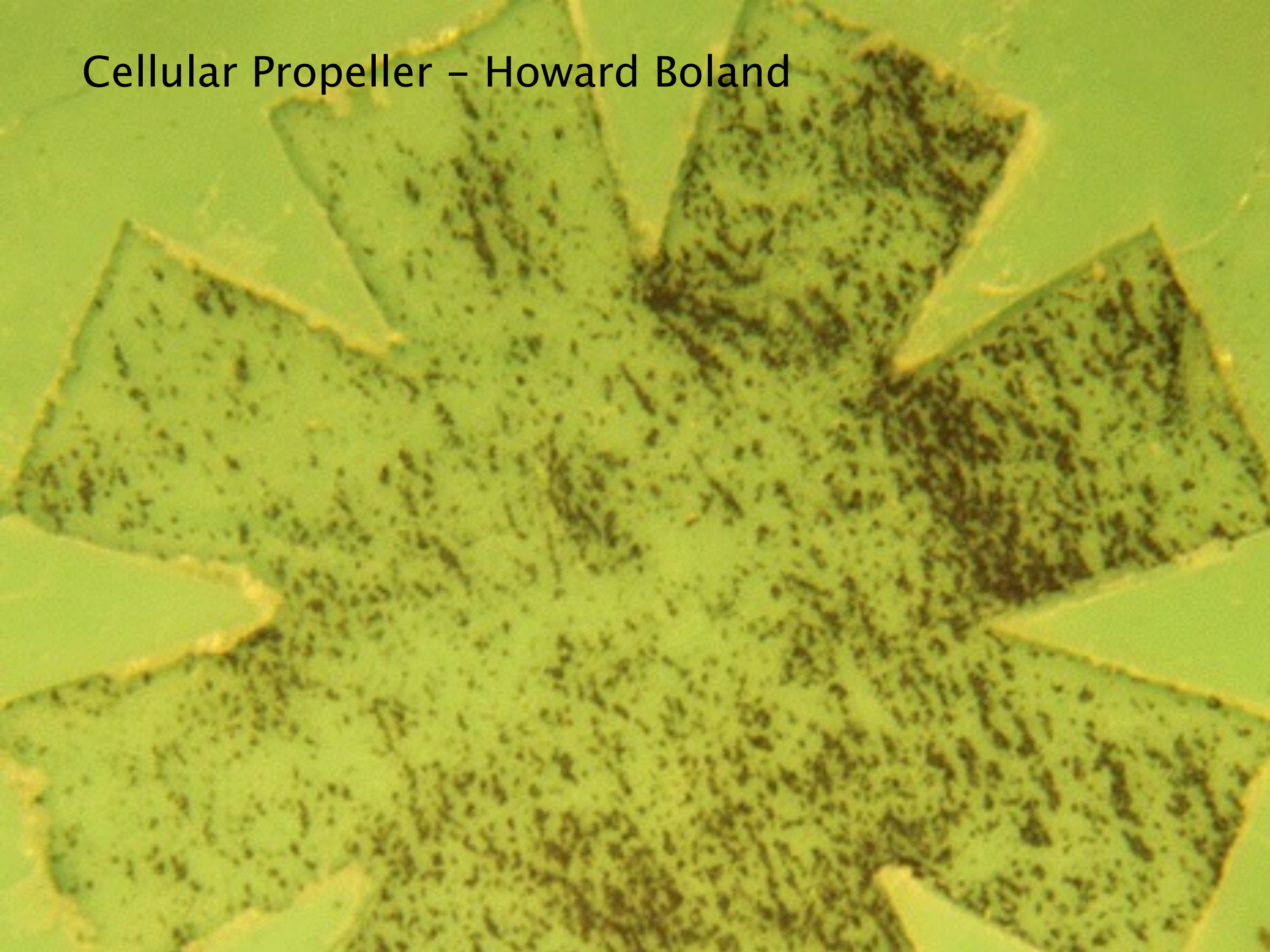
Xenon Tree – Baruch Gottlieb





The cell and the aesthetics of disappointment

Cellular Propeller – Howard Boland



In potentia - Guy Ben-Ary



Ergo Sum – Charlotte Jarvis



System Synthetics - Maurizio Montalti



MICROPIA

toont het onzichtbare





Apple Tree - Niall Hamilton



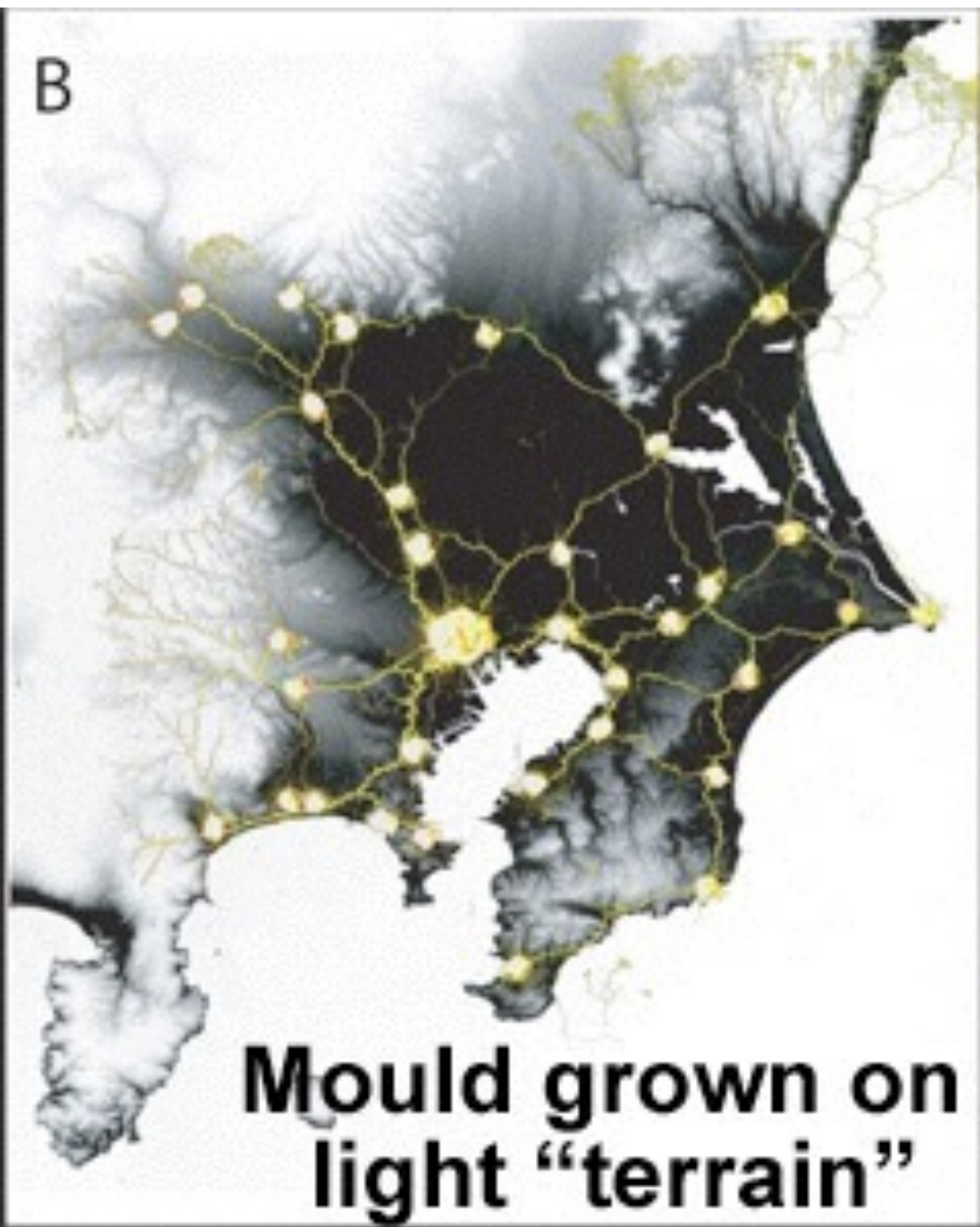


6 Days Goodbye Poems of Ophelia - JoWOnder

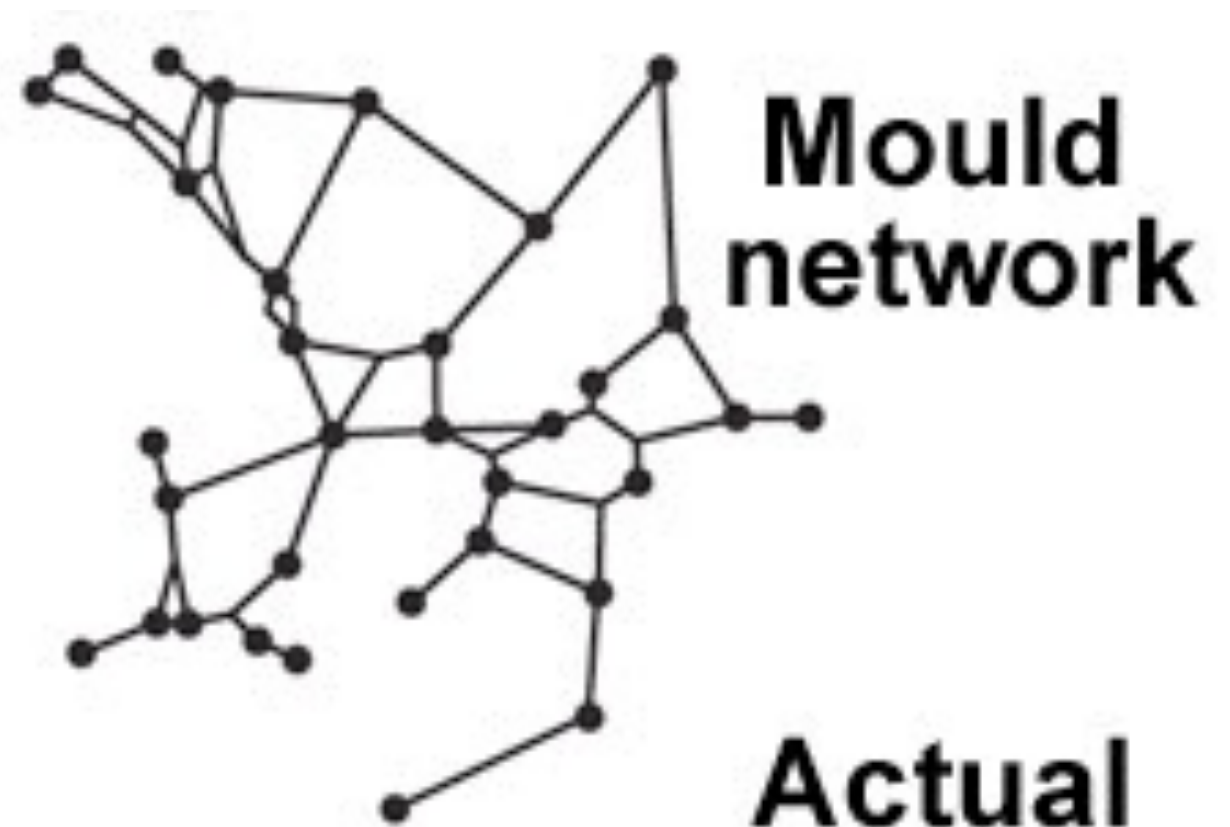
<https://www.youtube.com/watch?v=N-rEcC04ZCk#t=31>

<https://www.youtube.com/watch?v=Mm2FILqAeqE>

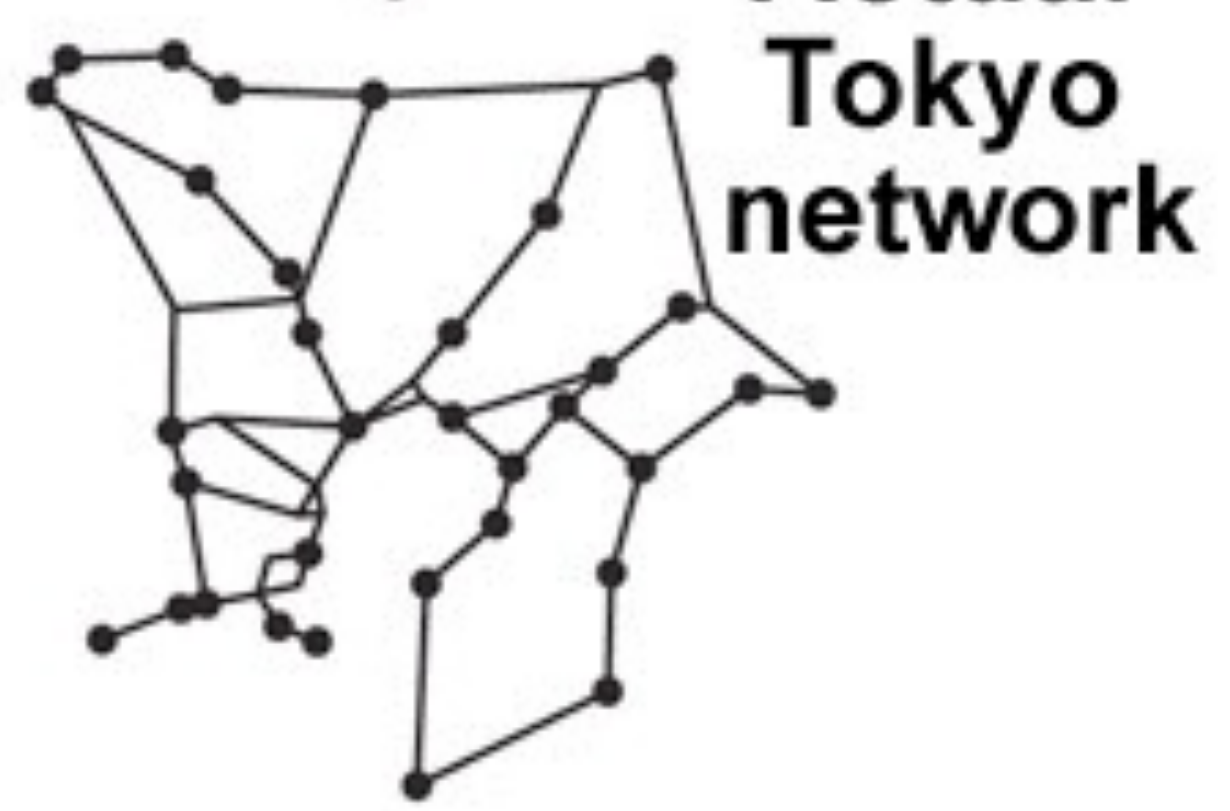
B



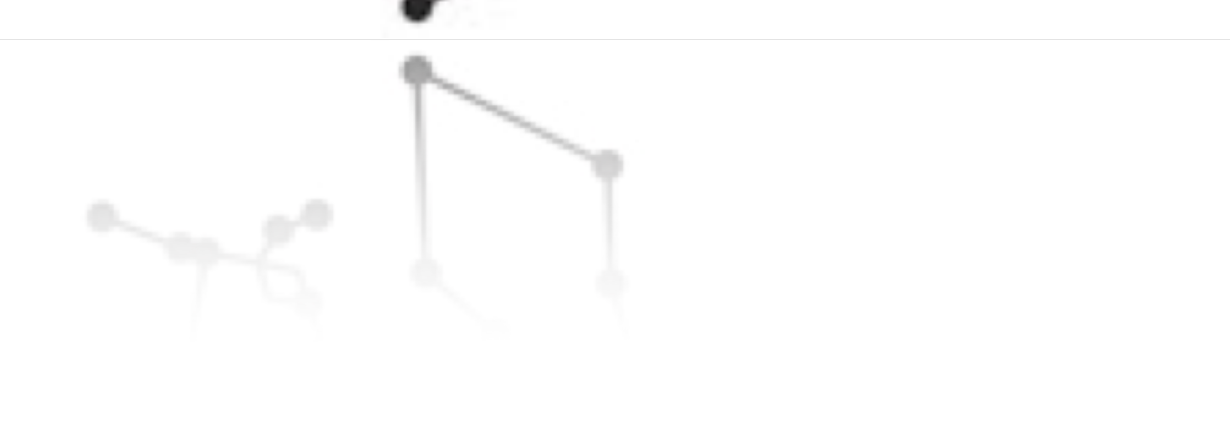
C



D



E

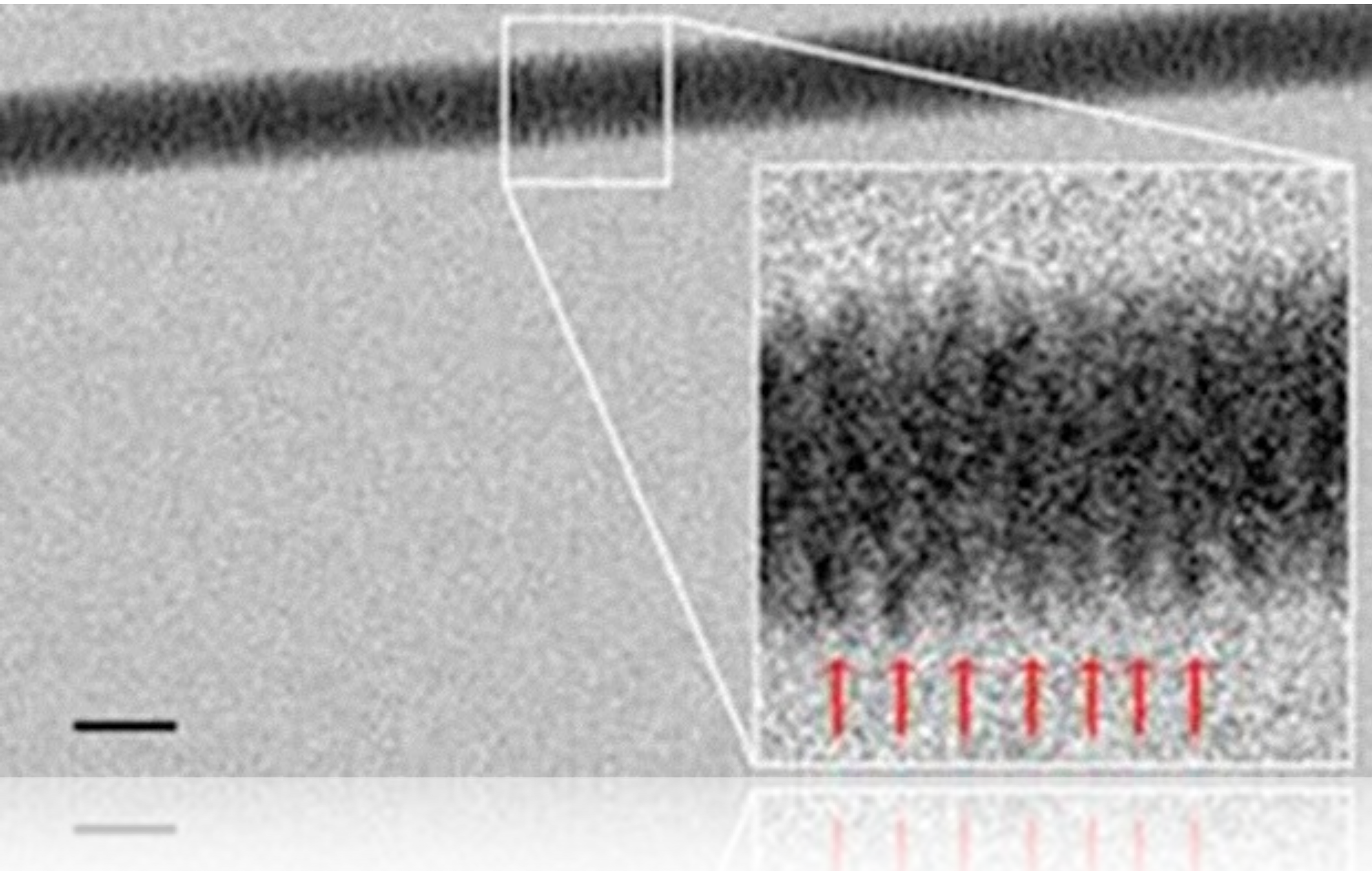




What do we see?



DNA – Enzo di Fabrizio – X-ray Crystallography





Anton van Leeuwenhoek's 'little animals'

PLATE XXIV

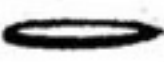
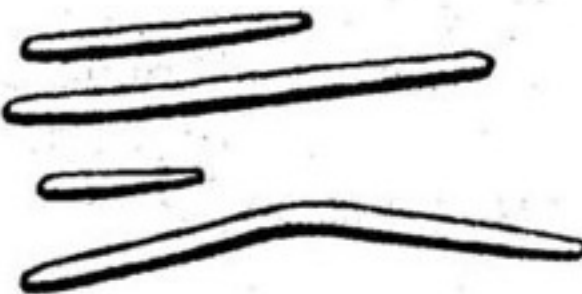
fig: A  *D*

fig: B 

fig: E 

fig: G. 

fig: F 



Microvenus – Joe Davis

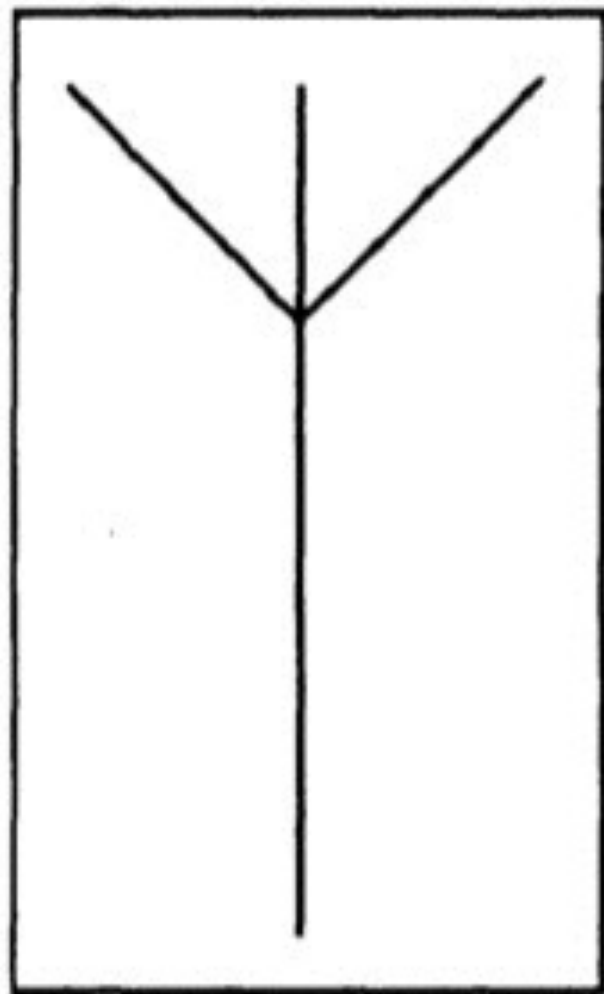


FIG. 1 *Microvenus* icon.

→

1	0	1	0	1
0	1	1	1	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0

→



CCCCCAACGCGCGCGCT



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reserved**

Wishing you success and fun with the Bio
Hack Academy!

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www.artscienceethics.com
www.waag.org/wetlab



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