



waag society

institute for art, science and technology

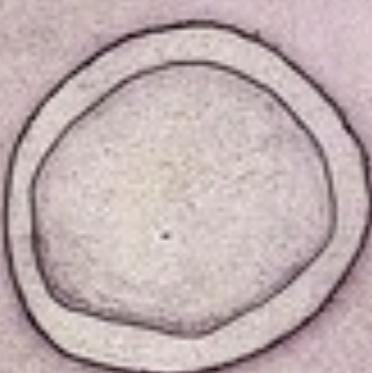
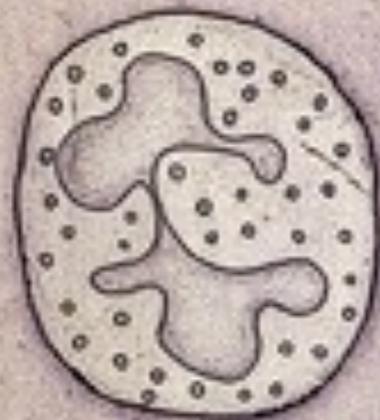
Optics & the cell

24-02-2015
Lucas Evers, Waag Society



Optics and how art and science divorced

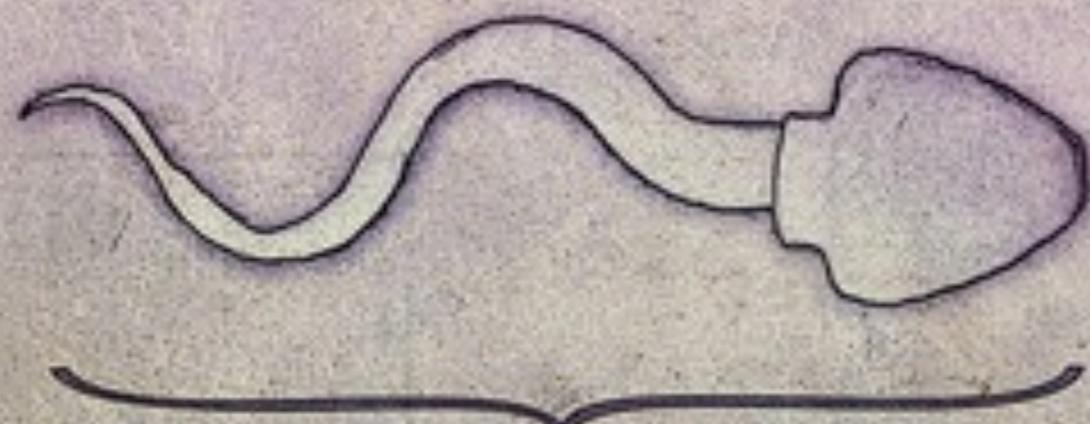
Microscopic observations by Anton Van Leeuwenhoek



White blood cells

Red blood cells

Yeast cells



Sperm cells

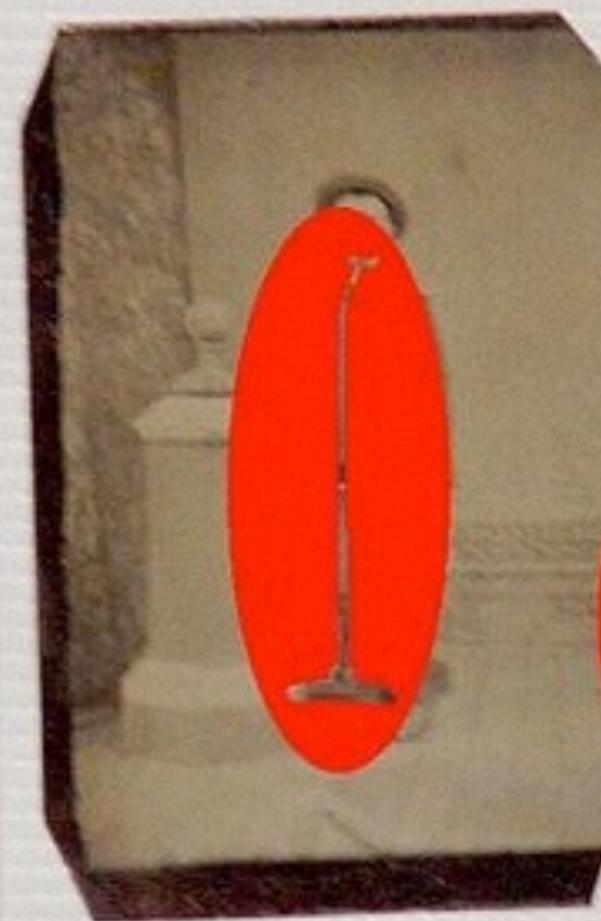


Bacteria cells

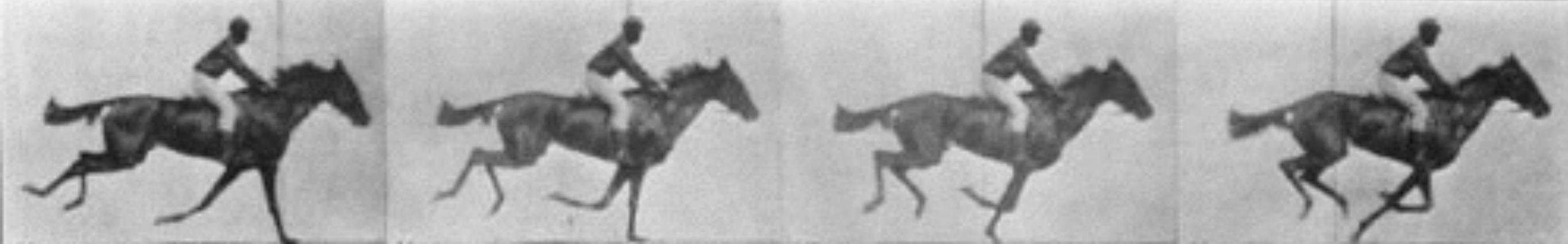
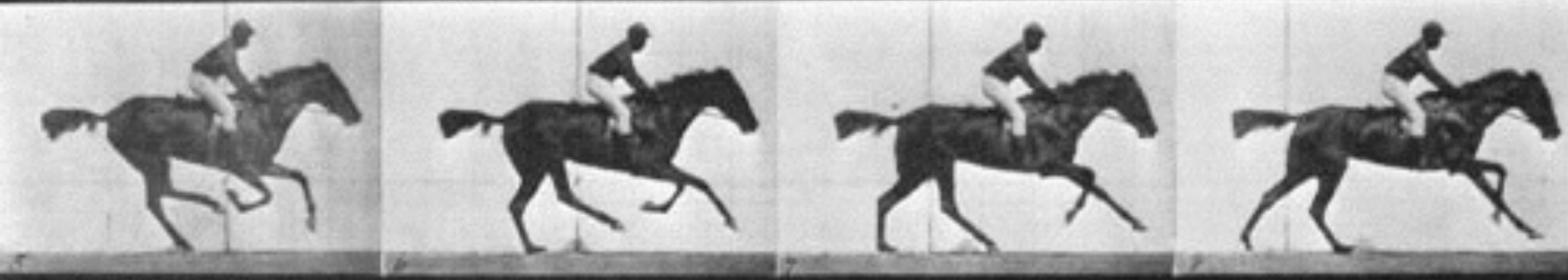
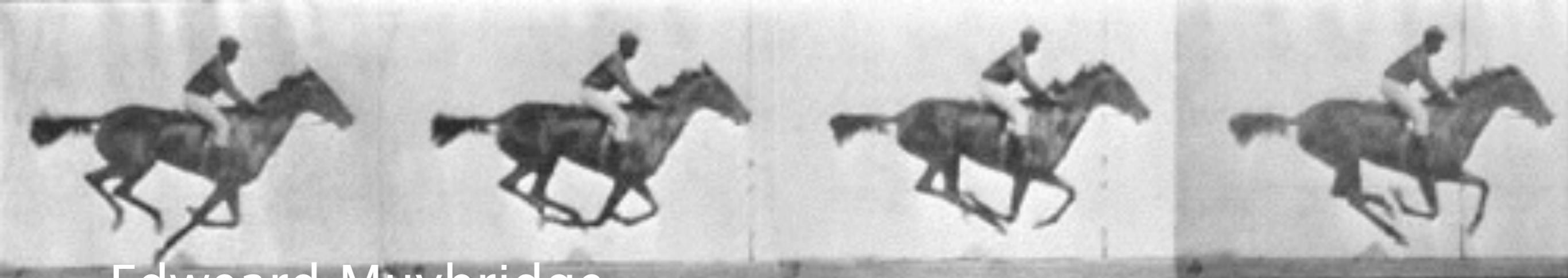
Boulevard du Temple – Louis Daguerre



Brady stand



Edweard Muybridge



Alfred de Dreux





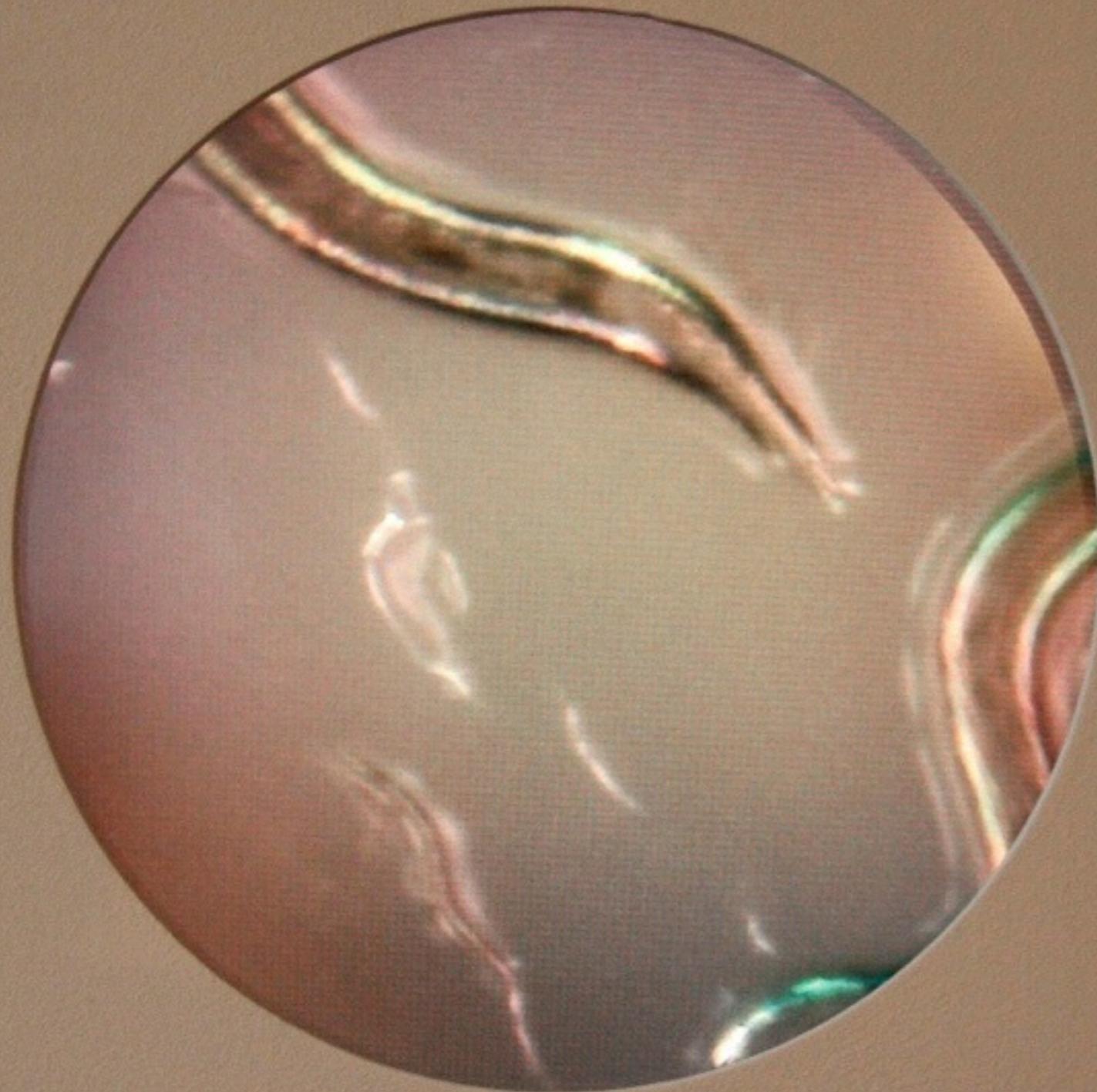
The Fantastic Voyage

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

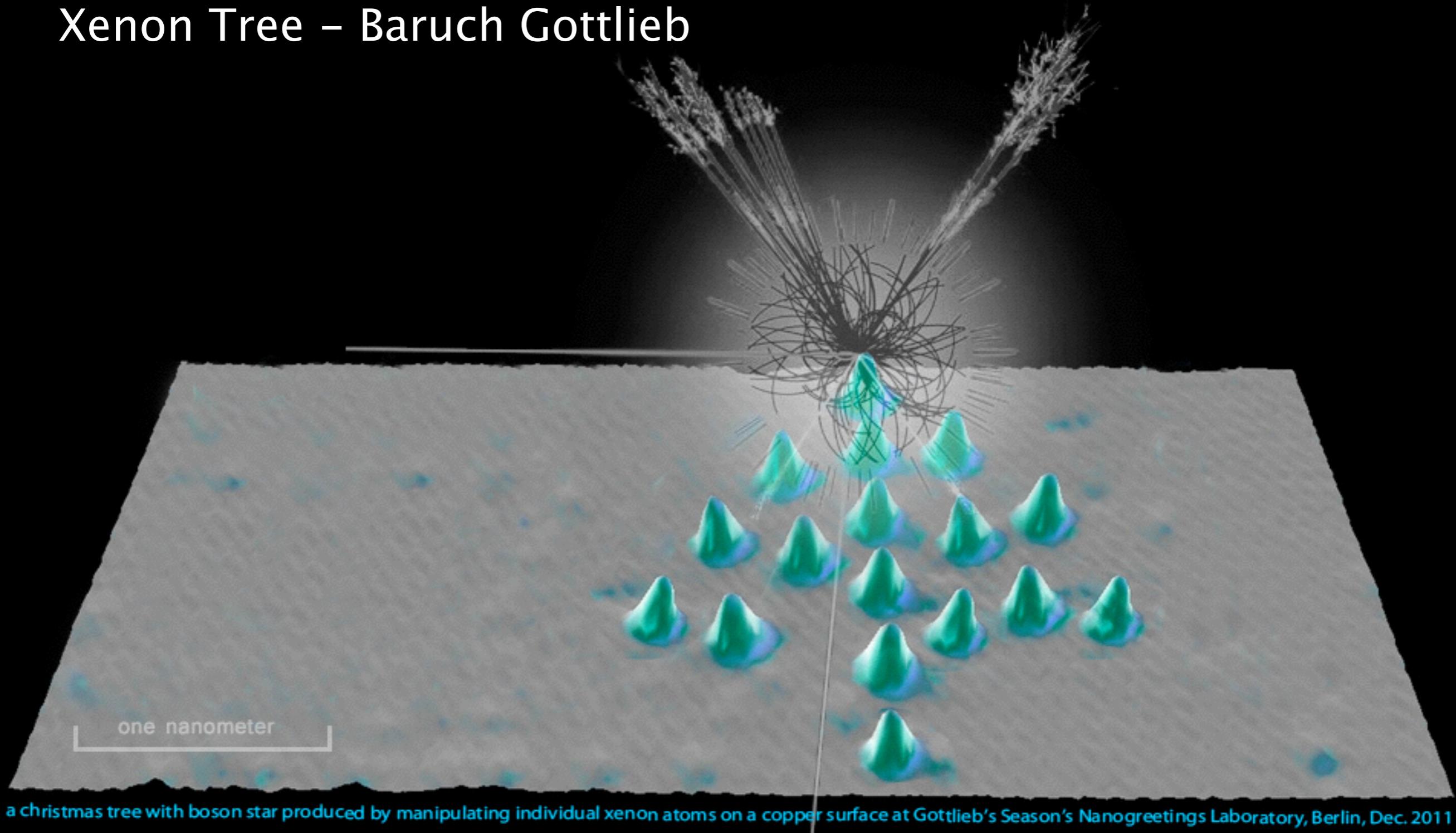


Organoids – Intestine wall repair
<http://www.nymus3d.nl/player2.php?id=47&lan=en>

Microscopic Opera – Matthijs munnik



Xenon Tree – Baruch Gottlieb

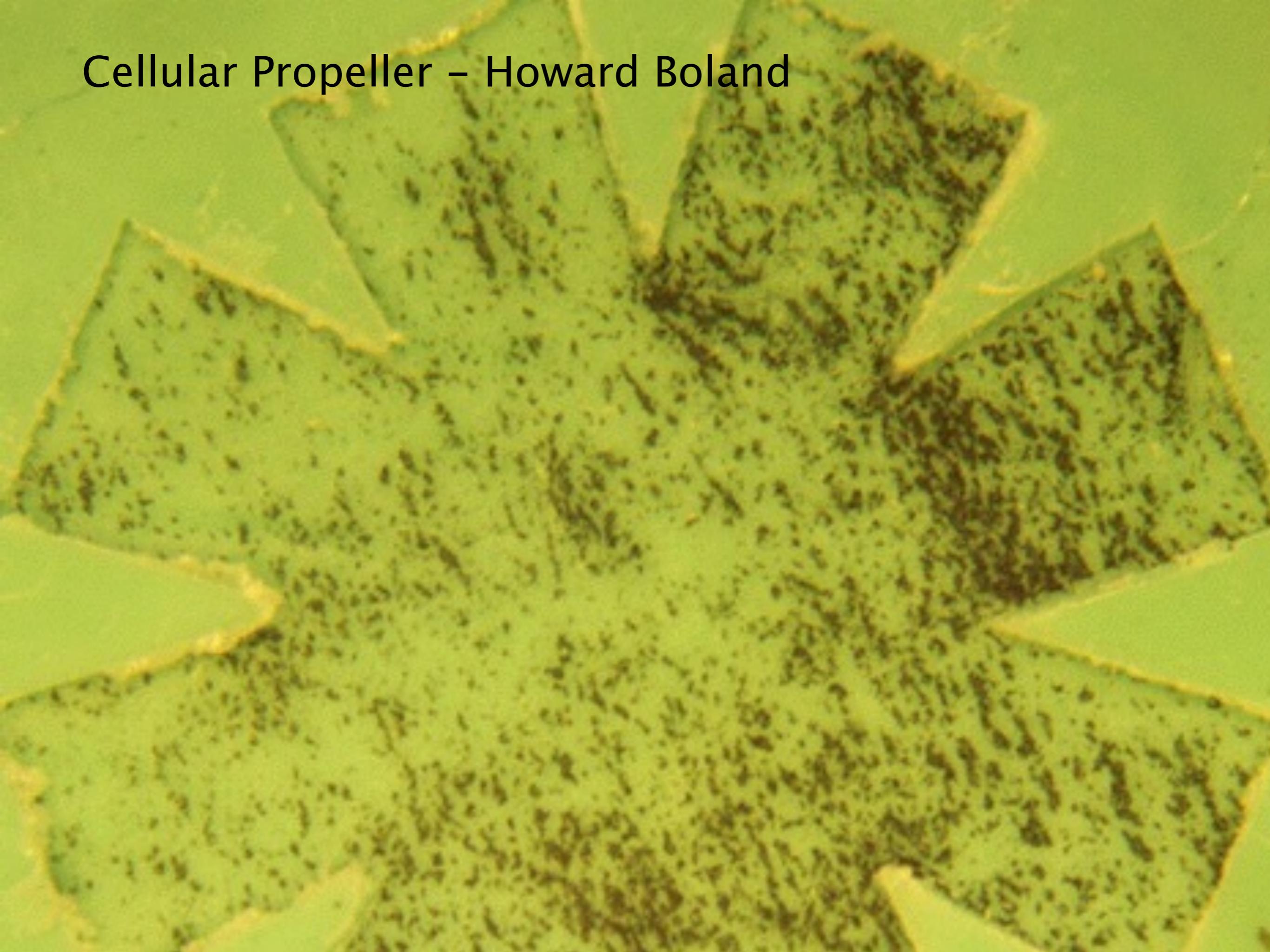


a christmas tree with boson star produced by manipulating individual xenon atoms on a copper surface at Gottlieb's Season's Nanogreetings Laboratory, Berlin, Dec. 2011



The cell and the aesthetics of disappointment

Cellular Propeller – Howard Boland



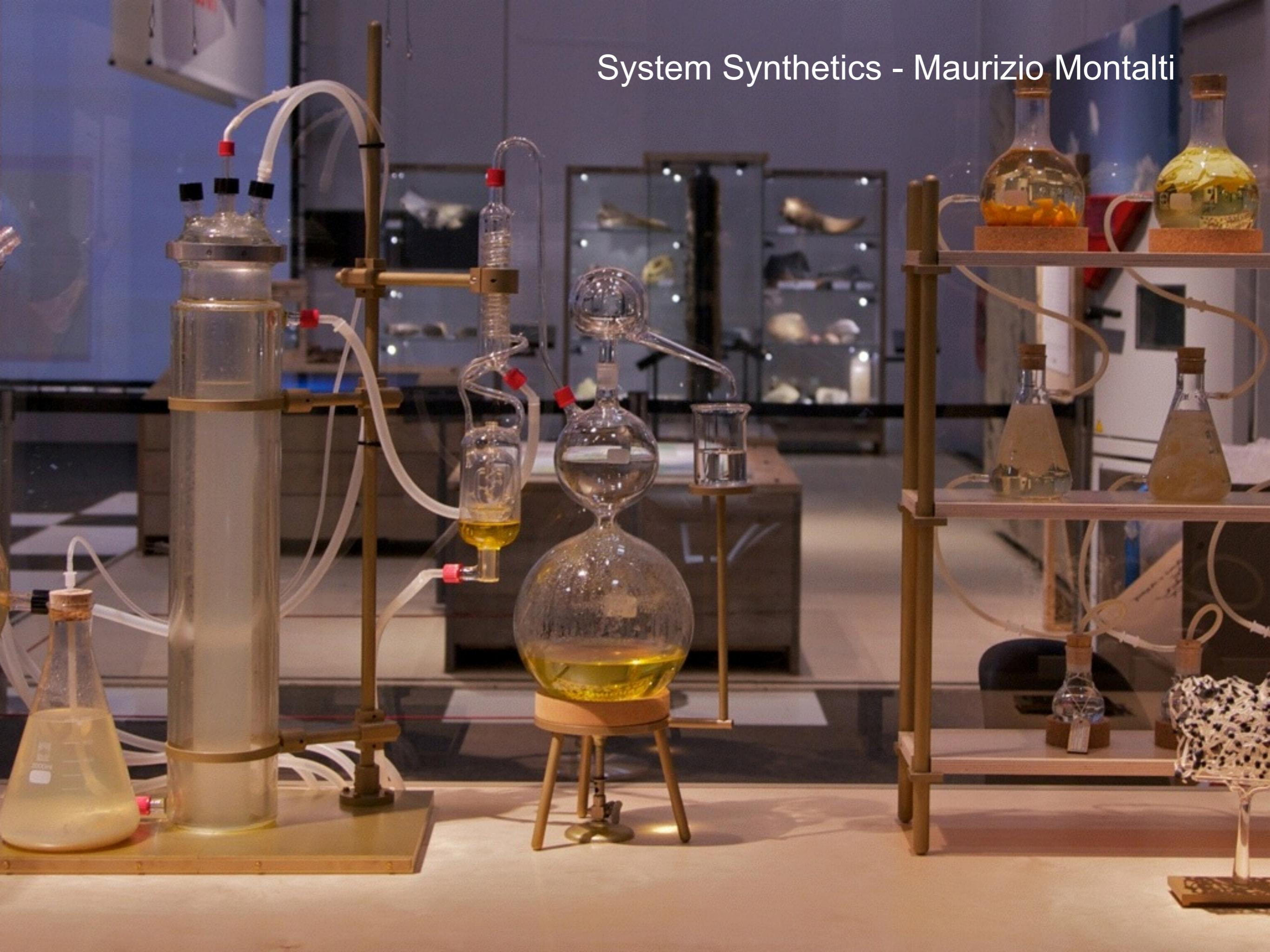
In potentia - Guy Ben-Ary



Ergo Sum - Charlotte Jarvis



System Synthetics - Maurizio Montalti



MICROPIA

toont het onzichtbare





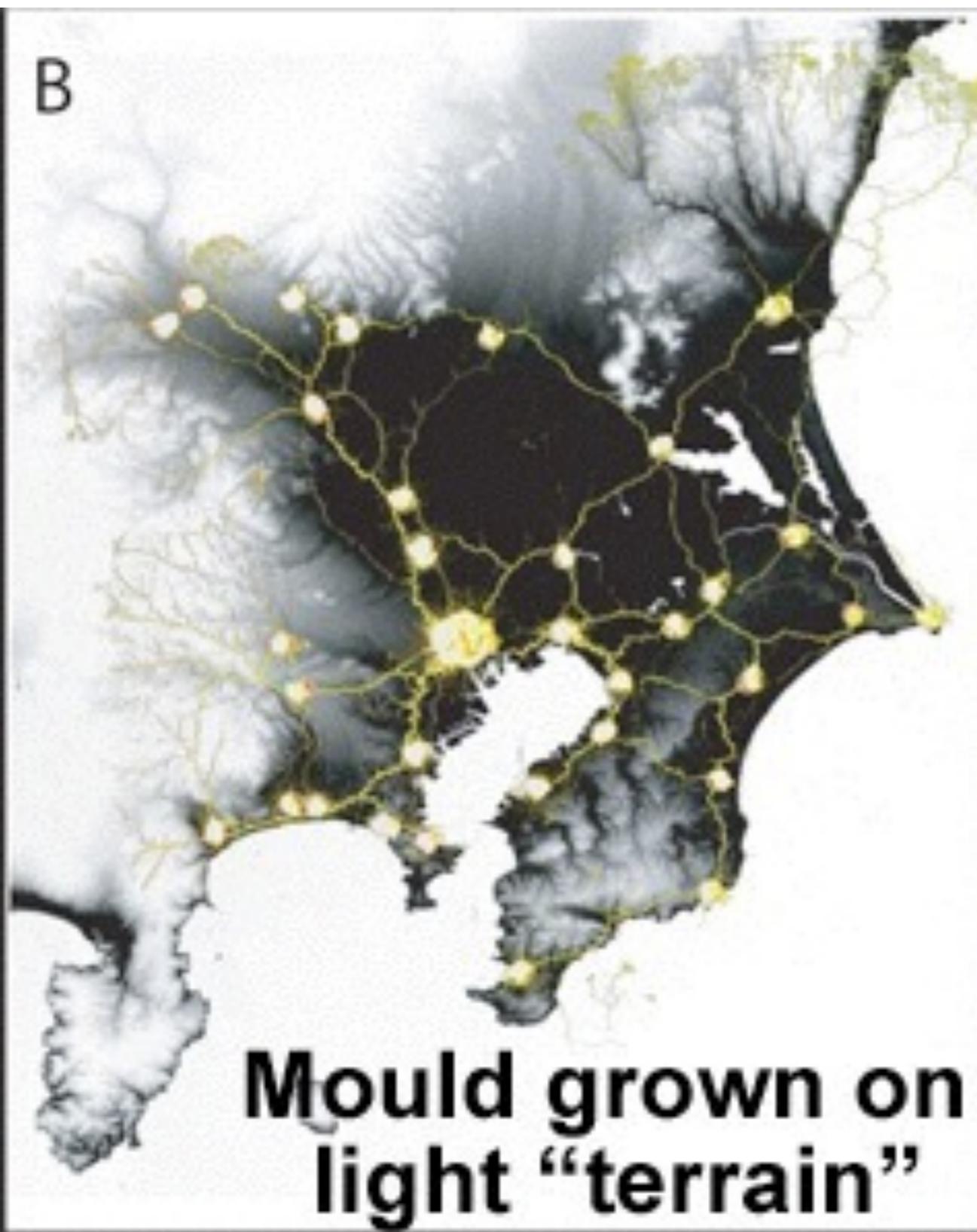
Apple Tree - Niall Hamilton





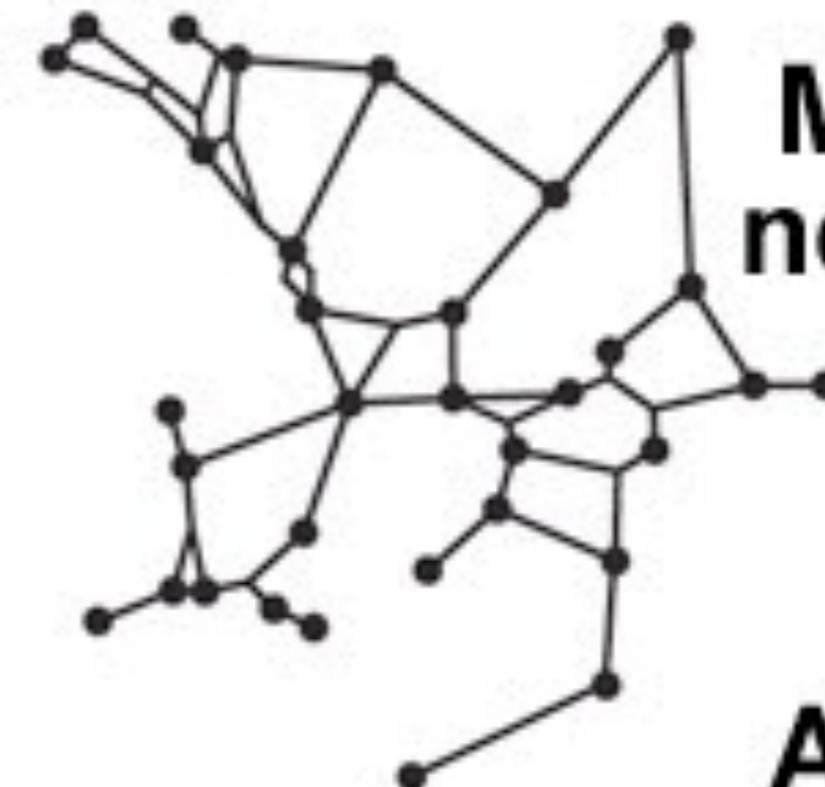
6 Days Goodbye Poems of Ophelia - JoWOnder
<https://www.youtube.com/watch?v=N-rEcC04ZCk#t=31>
<https://www.youtube.com/watch?v=Mm2FILqAeqE>

B



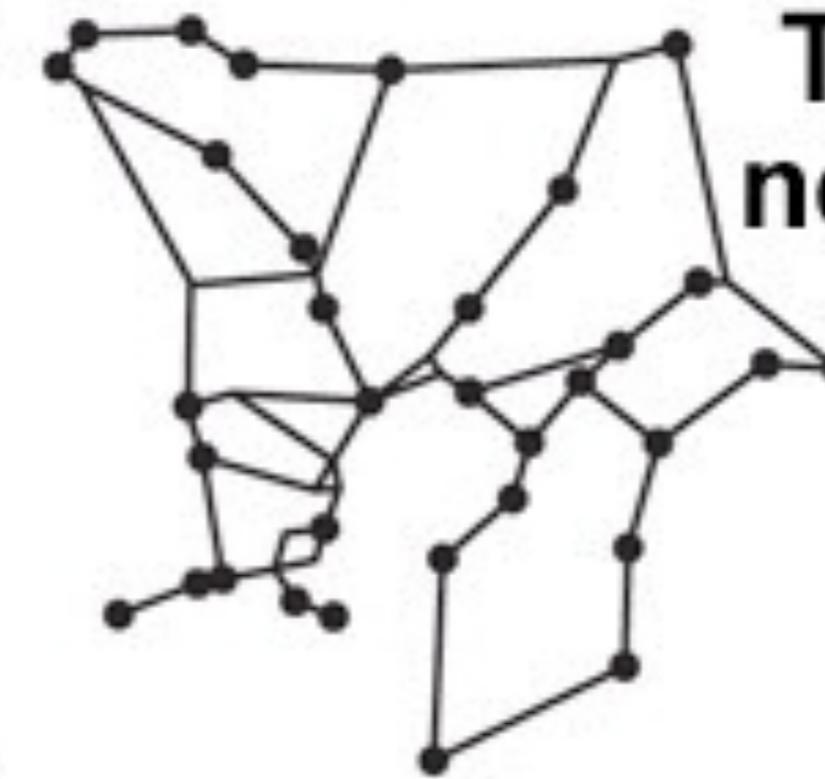
Mould grown on
light “terrain”

C



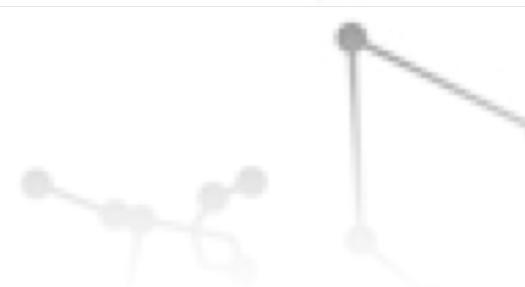
Mould
network

D



Actual
Tokyo
network

E

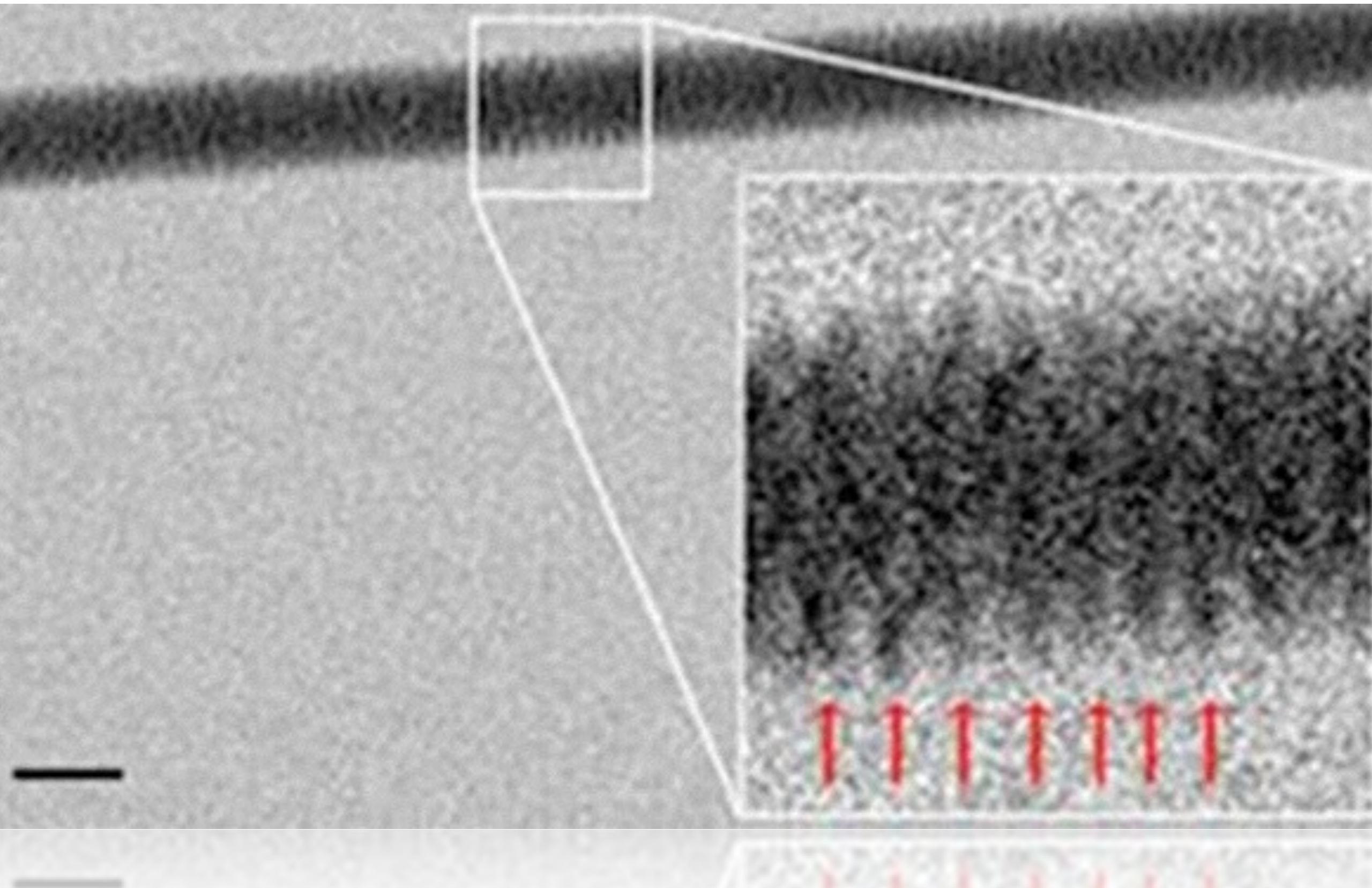




What do we see?



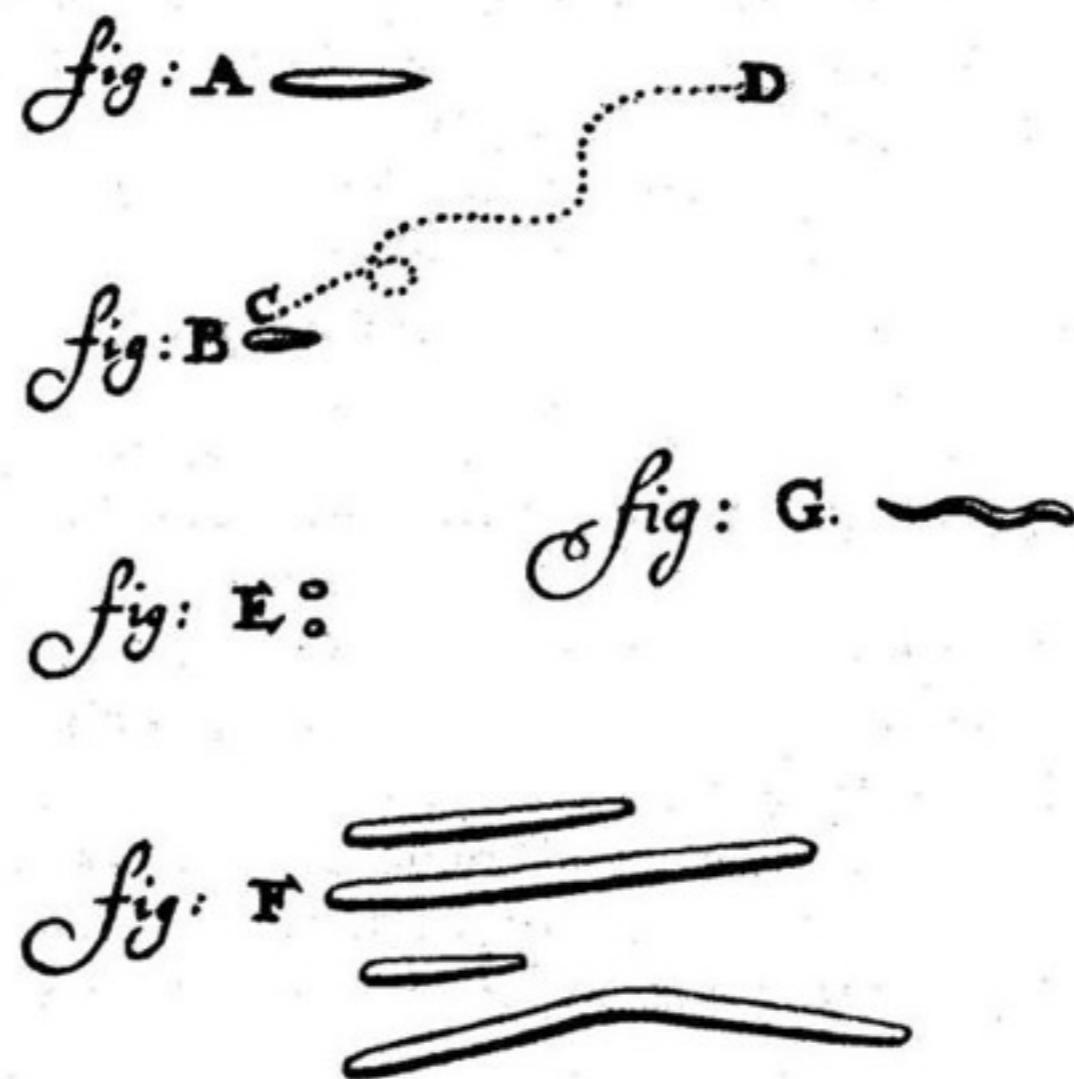
DNA – Enzo di Fabrizio – X-ray Christallography





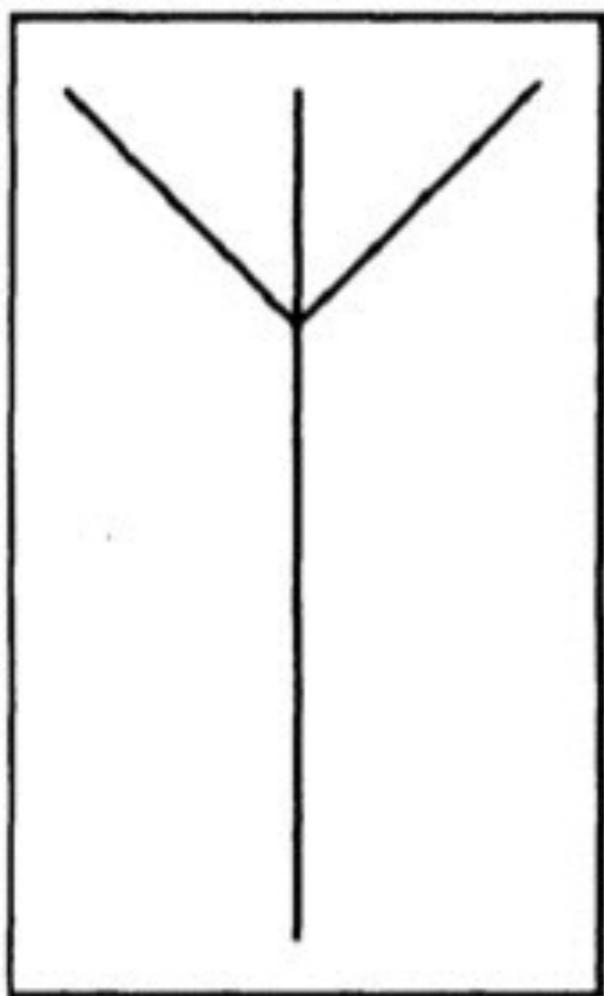
Anton van Leeuwenhoek's 'little animals'

PLATE XXIV





Microvenus - Joe Davis



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CCCCCCCAACGCGCGCGCT

FIG. 1 Microvenus icon.



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Wishing you success and fun with the Bio
Hack Academy!

lucas@waag.org

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



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