

Electron Microscope image

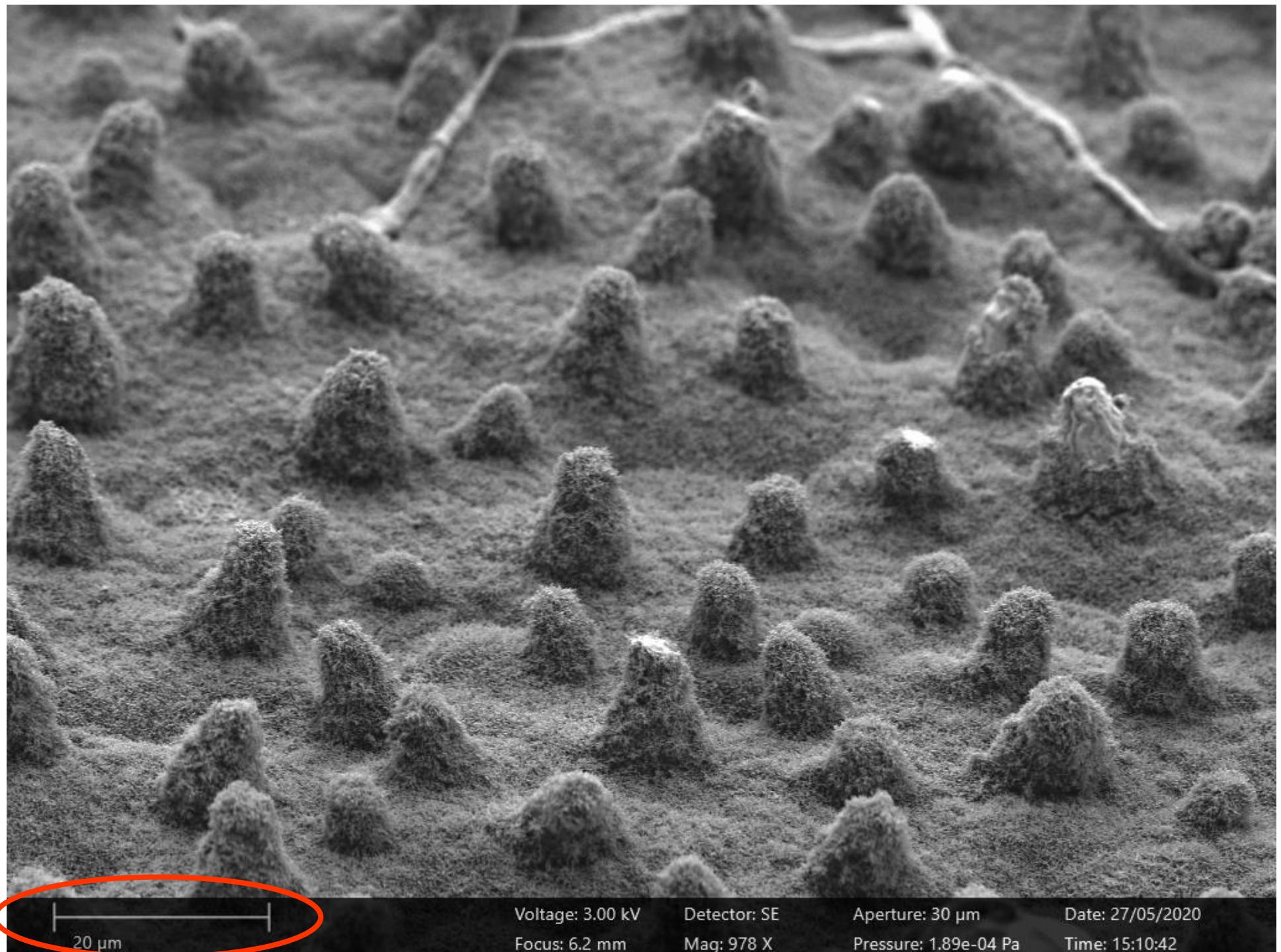
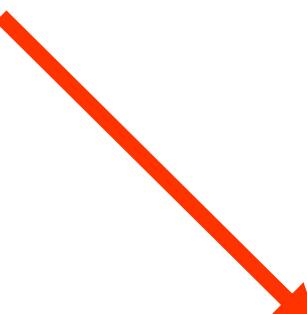
Lotus leaf (x 978 magnification)



A link to one of our videos about biomimicry (learning from nature)



This scale bar is 20 micrometres - that is **20 millionths** of a metre which is about a quarter of the width of a human hair!



Electron Microscope image

Lotus leaf
(x 6,360 magnification)



A link to one of our videos about biomimicry (learning from nature)





4 μ m

Voltage: 3.00 kV Detector: SE Aperture: 30 μ m Date: 27/05/2020
Focus: 6.3 mm Mag: 6.36 K X Pressure: 1.87e-04 Pa Time: 15:13:25

Electron Microscope image

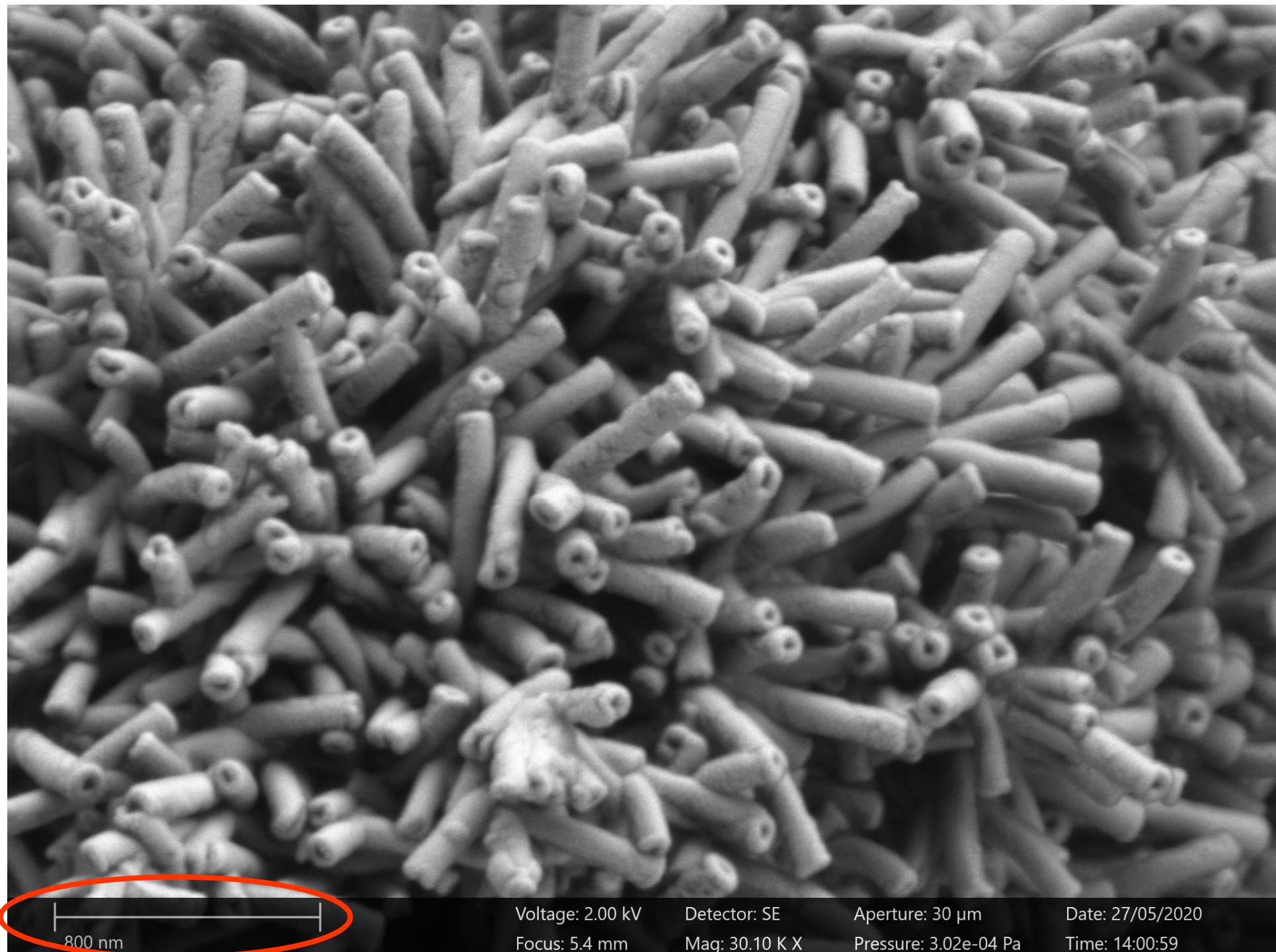
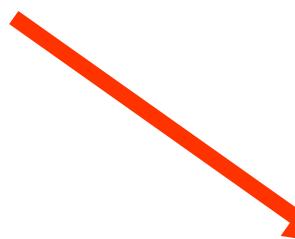
Lotus leaf
(x 30,100 magnification)



A link to one of our videos about biomimicry (learning from nature)



This scale bar is 800 nanometres - that is **800 billionths** of a metre which is about a hundredth of the width of a human hair!



Electron Microscope image

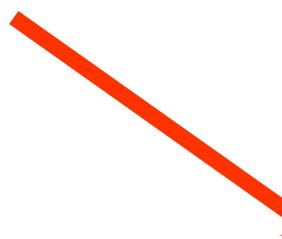
Holly leaf (x 100 magnification)



A link to one of our videos about biomimicry (learning from nature)



This scale bar is 200 micrometres - that is **200 millionths** of a metre which is about two and half times the width of a human hair!



200 μm

Voltage: 1.00 kV
Focus: 5.3 mm

Detector: SE
Mag: 100 X

Aperture: 20 μm
Pressure: 1.11e-03 Pa

Date: 12/06/2020
Time: 14:03:47

Electron Microscope image

Holly leaf (x 1,000 magnification)



A link to one of our videos about biomimicry (learning from nature)



This is a **stomata** which is what a leaf breathes through. It is about 20 microns (or 20 millionths of a meter) in size so about a quarter of the width of a human hair

Note it is rough (and waxy) which keeps it dry and **superhydrophobic** allowing the leaf to take in more air.



DISCOVER
MATERIALS

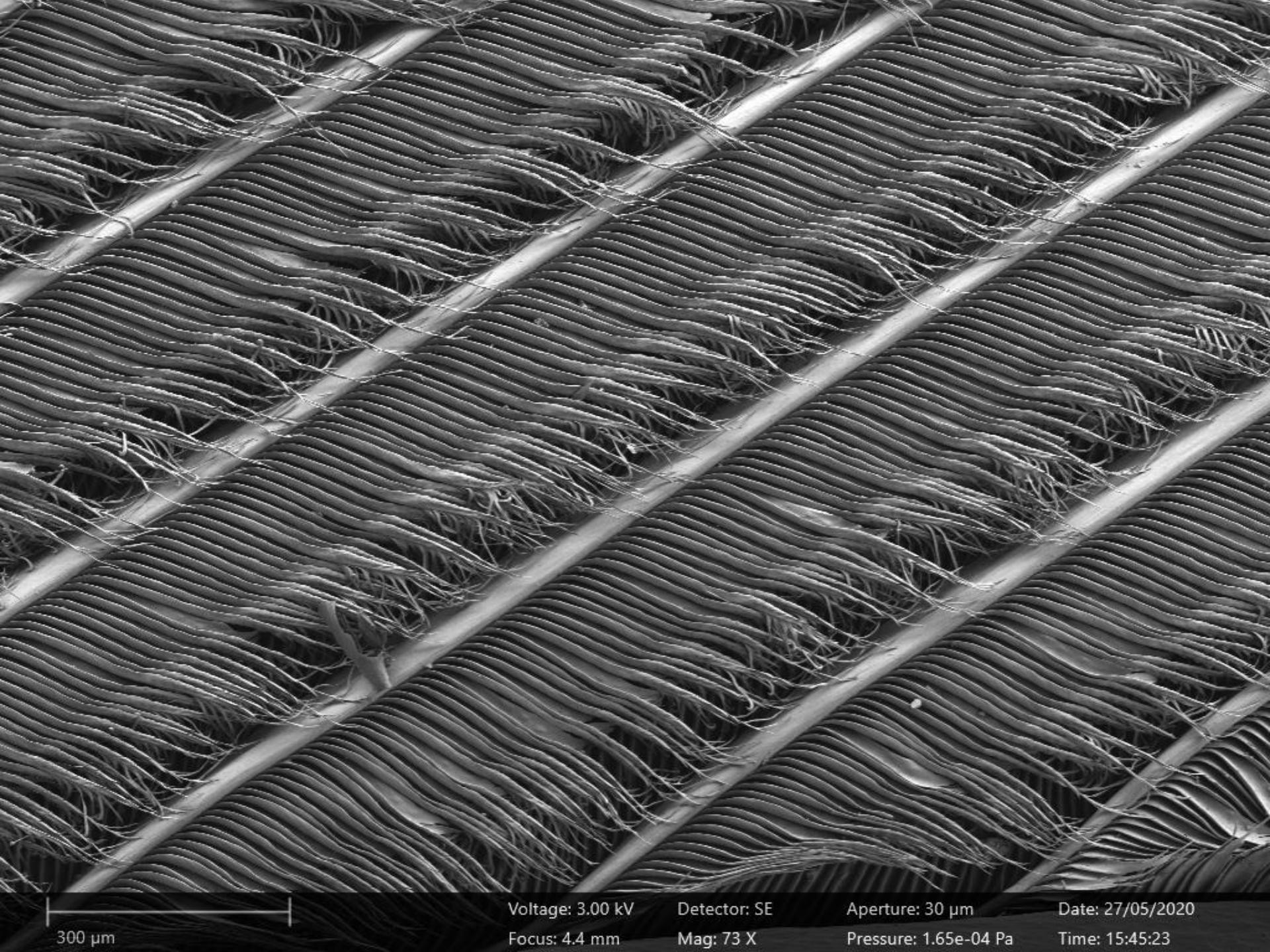
Duck Feather (x 73 magnification)



Seeing beyond

A link to one of our videos about biomimicry (learning from nature)





300 μm

Voltage: 3.00 kV

Focus: 4.4 mm

Detector: SE

Mag: 73 X

Aperture: 30 μm

Pressure: 1.65e-04 Pa

Date: 27/05/2020

Time: 15:45:23



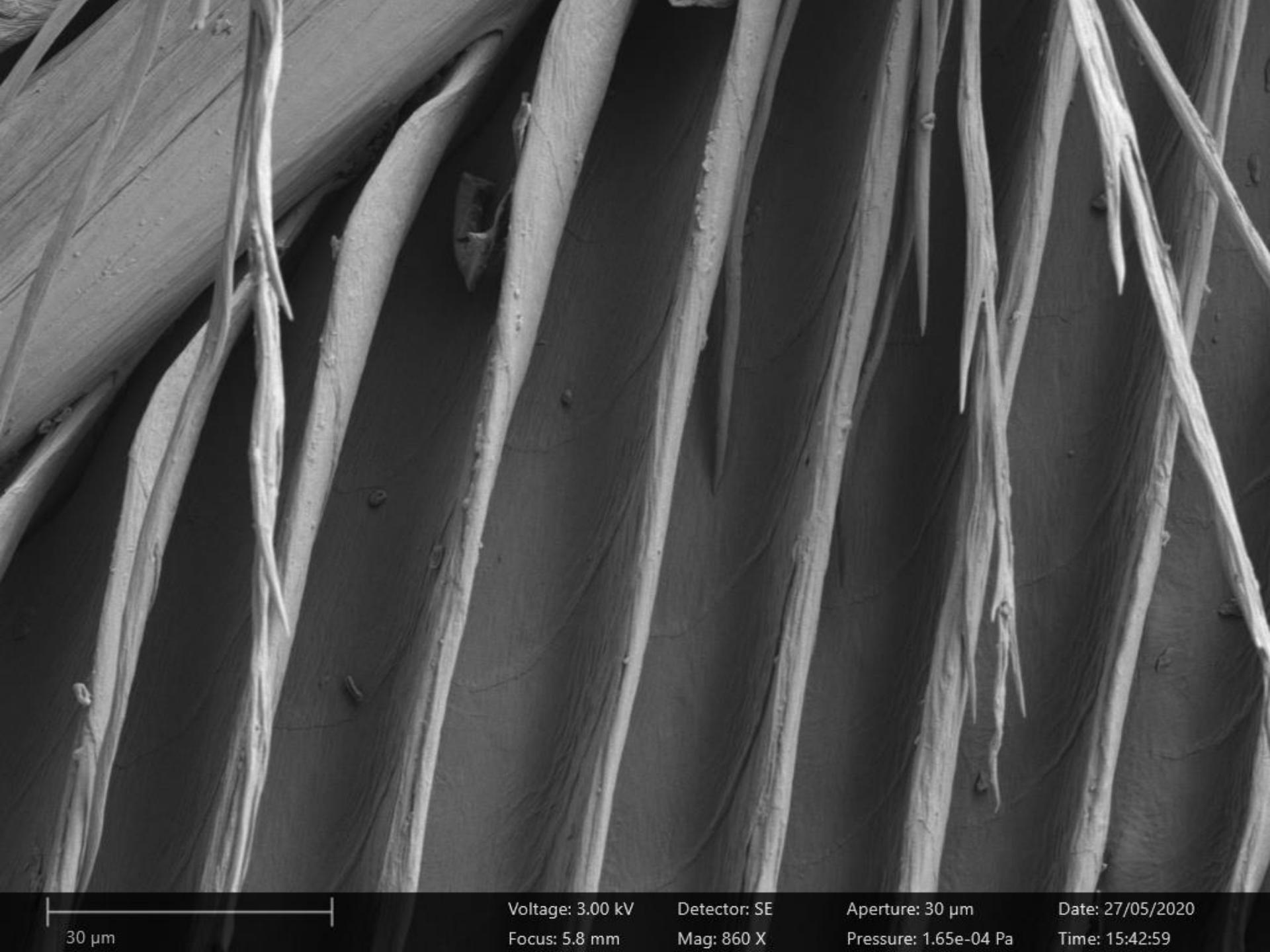
Duck Feather (x 860 magnification)



Seeing beyond

A link to one of our videos about biomimicry (learning from nature)





30 μm

Voltage: 3.00 kV

Focus: 5.8 mm

Detector: SE

Mag: 860 X

Aperture: 30 μm

Pressure: 1.65e-04 Pa

Date: 27/05/2020

Time: 15:42:59