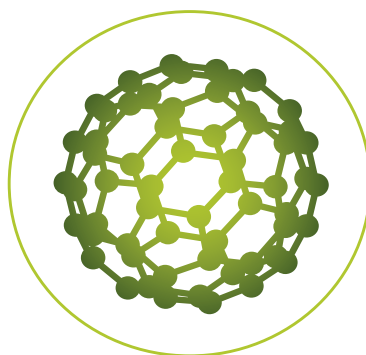


MACRO

MICRO

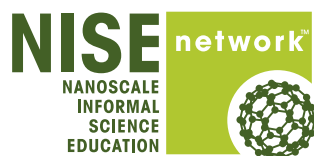
NANO

Memory Deck



A NISE NETWORK **NANO GAME**

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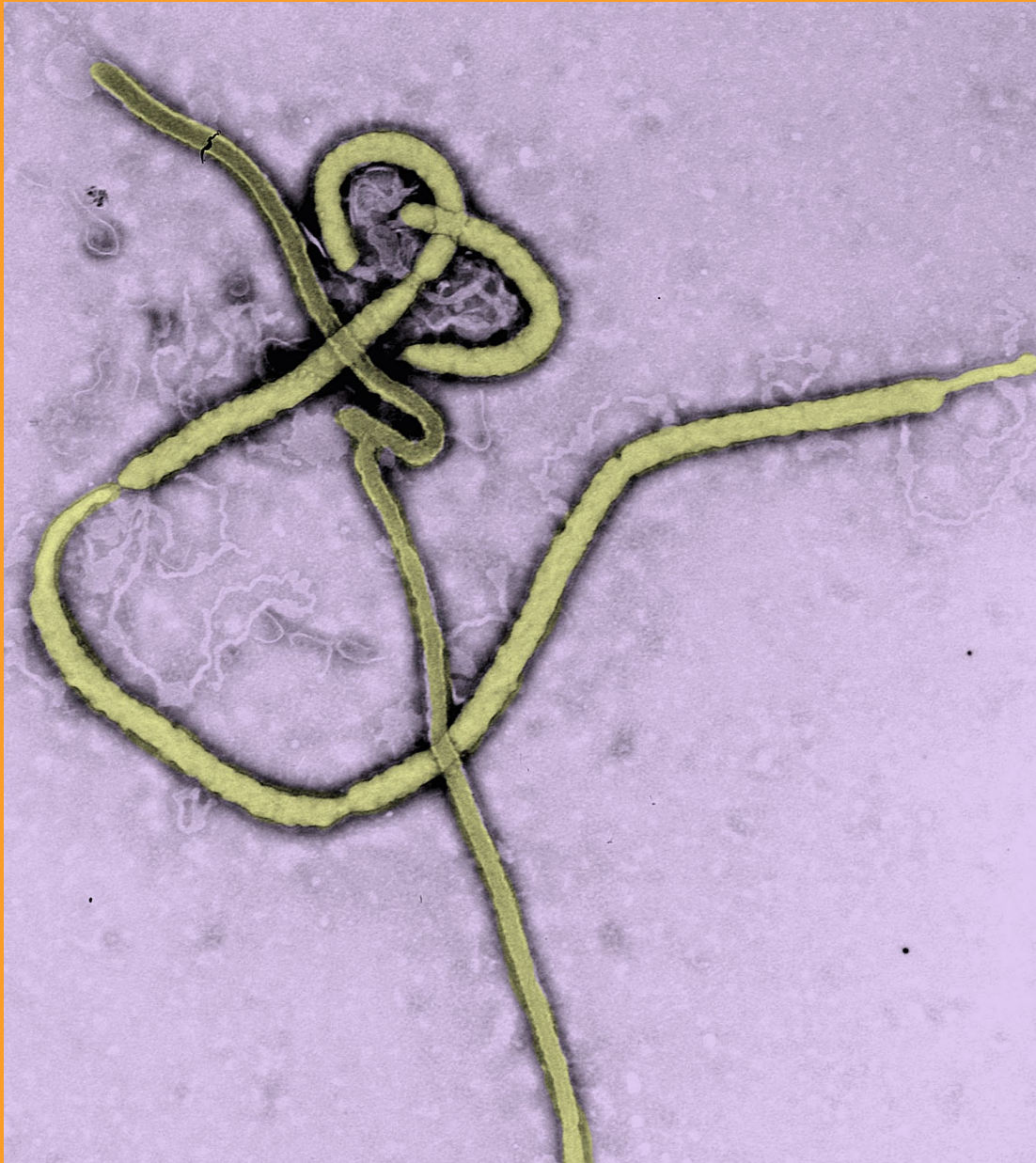


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This project was supported by the National Science Foundation under Grant No. ESI-0532536.

Virus

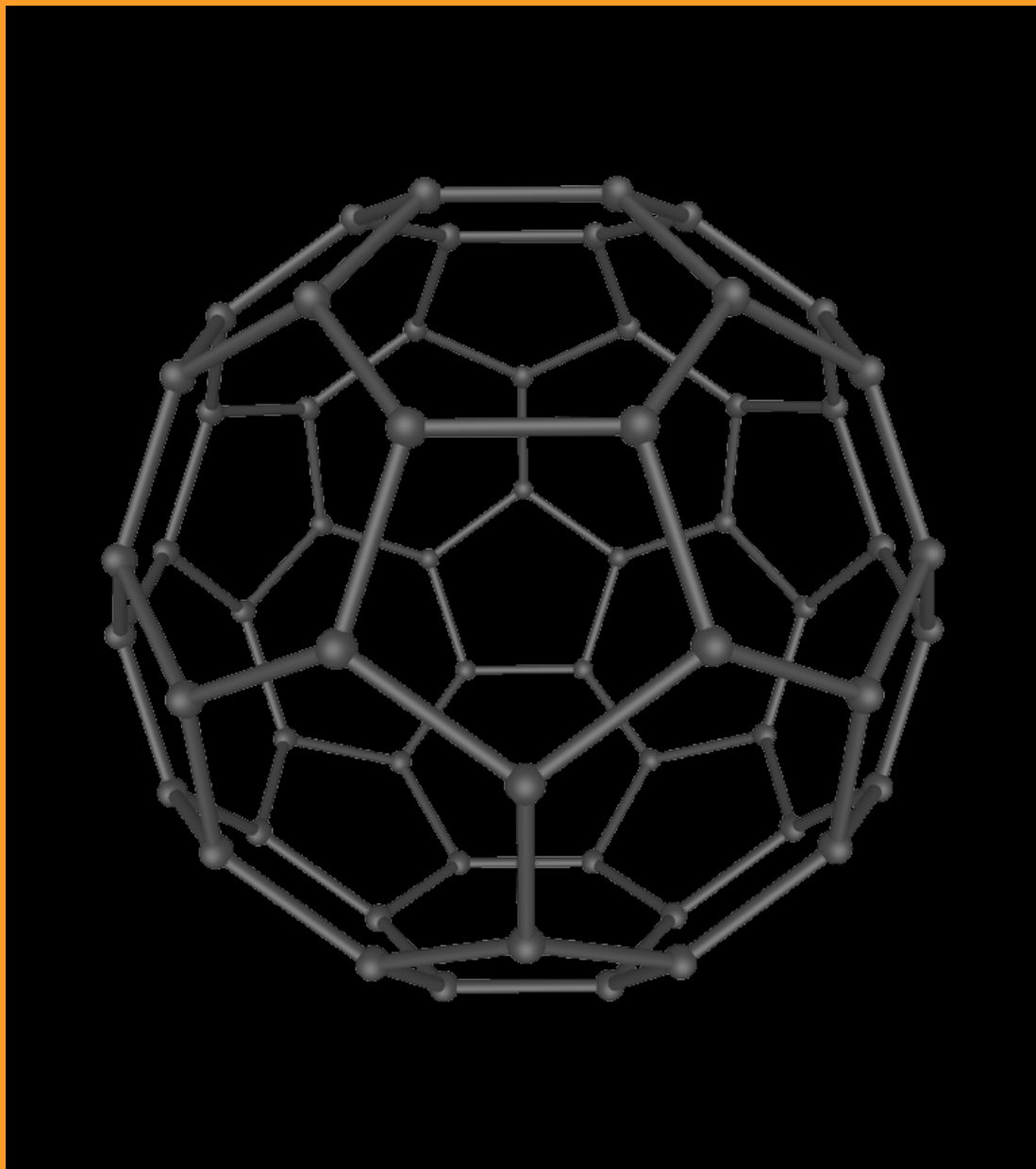
80 nm



Ebola virus that causes a viral hemorrhagic fever in humans and primates.

Bucky ball

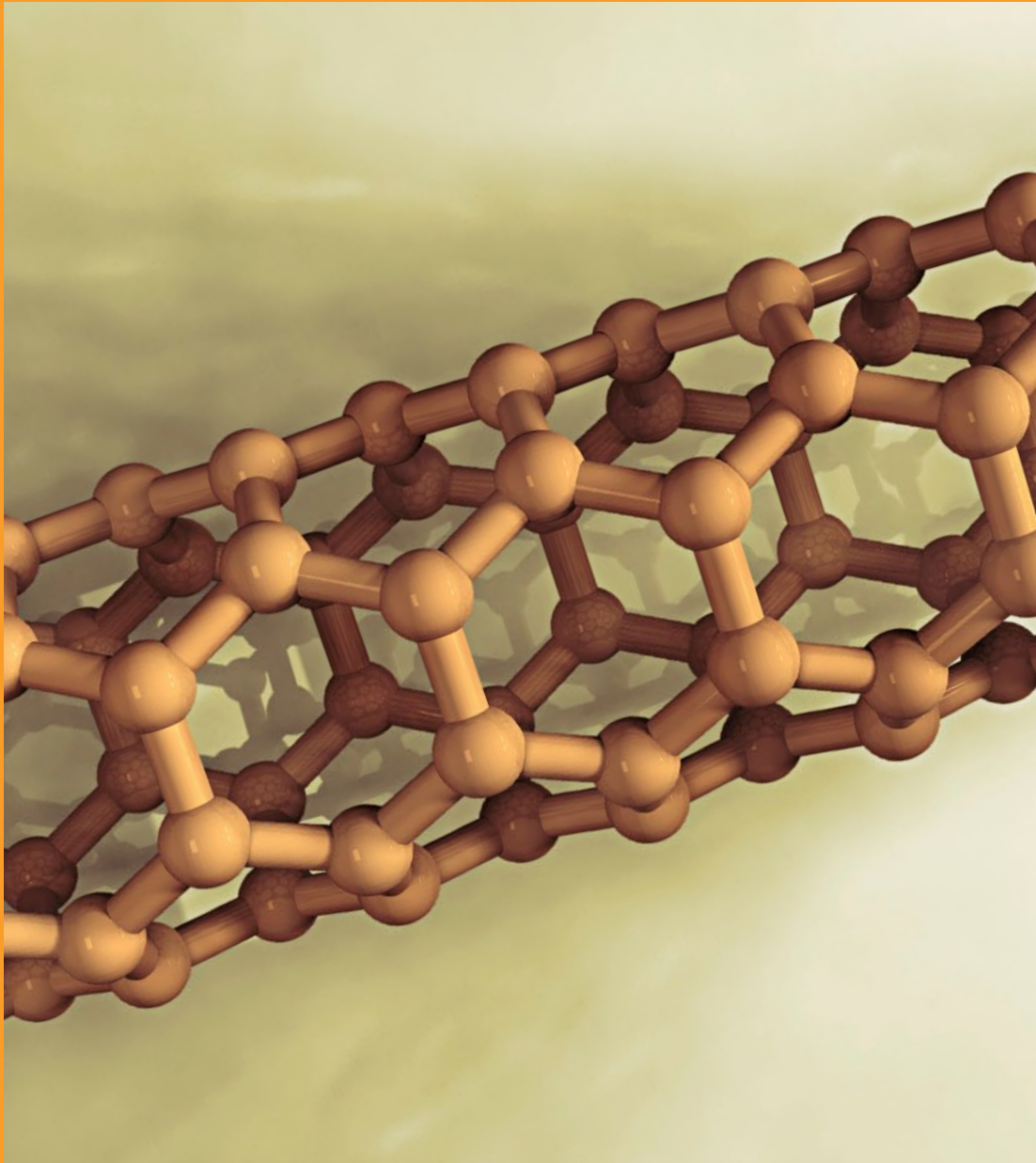
1 nm



Molecule of 60 carbon atoms, shaped like a soccer ball. Possible use as a drug delivery system.

Carbon nanotube

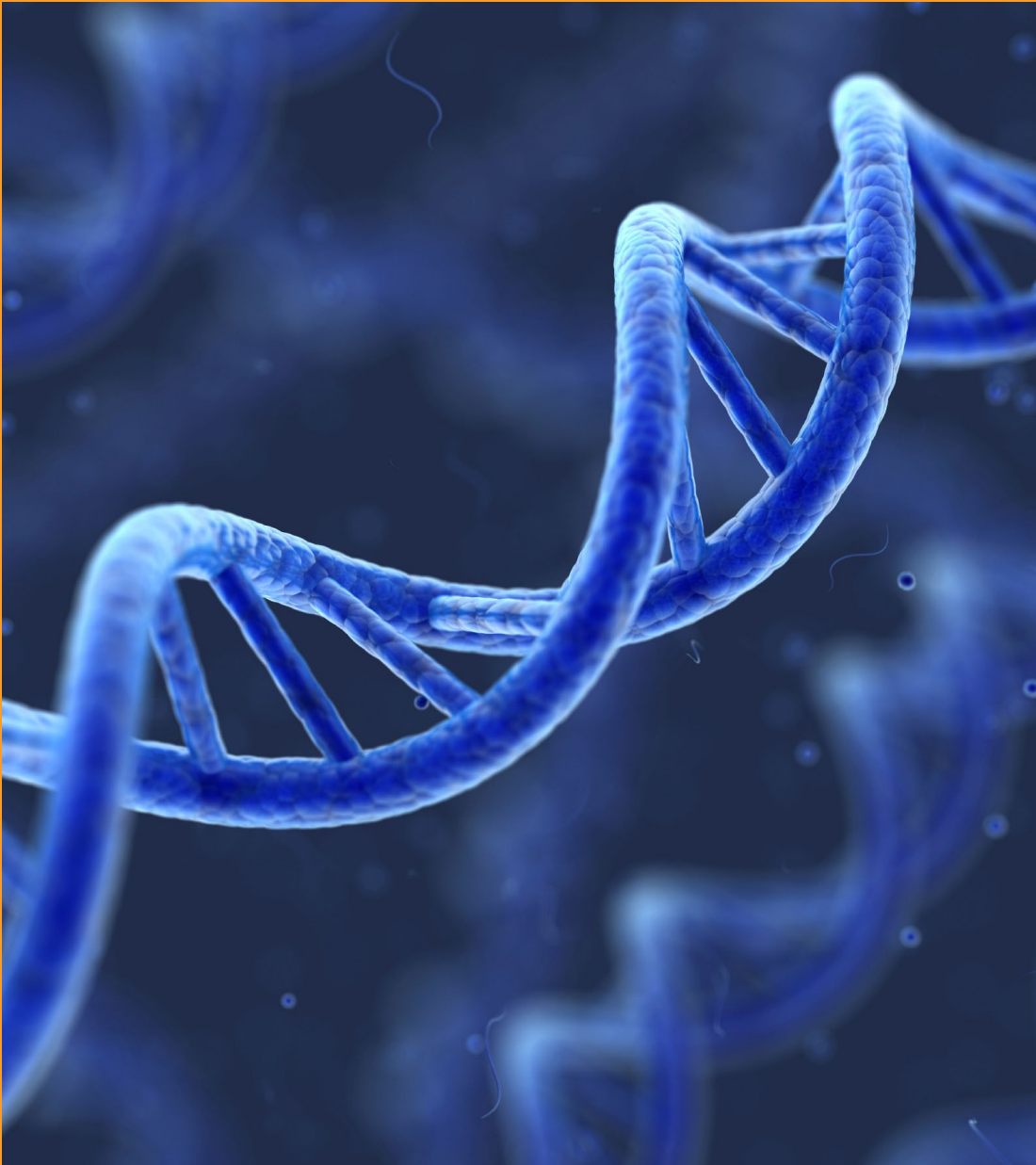
10 nm



Nanotube structures made of carbon with special properties like extreme strength and conductivity.

DNA

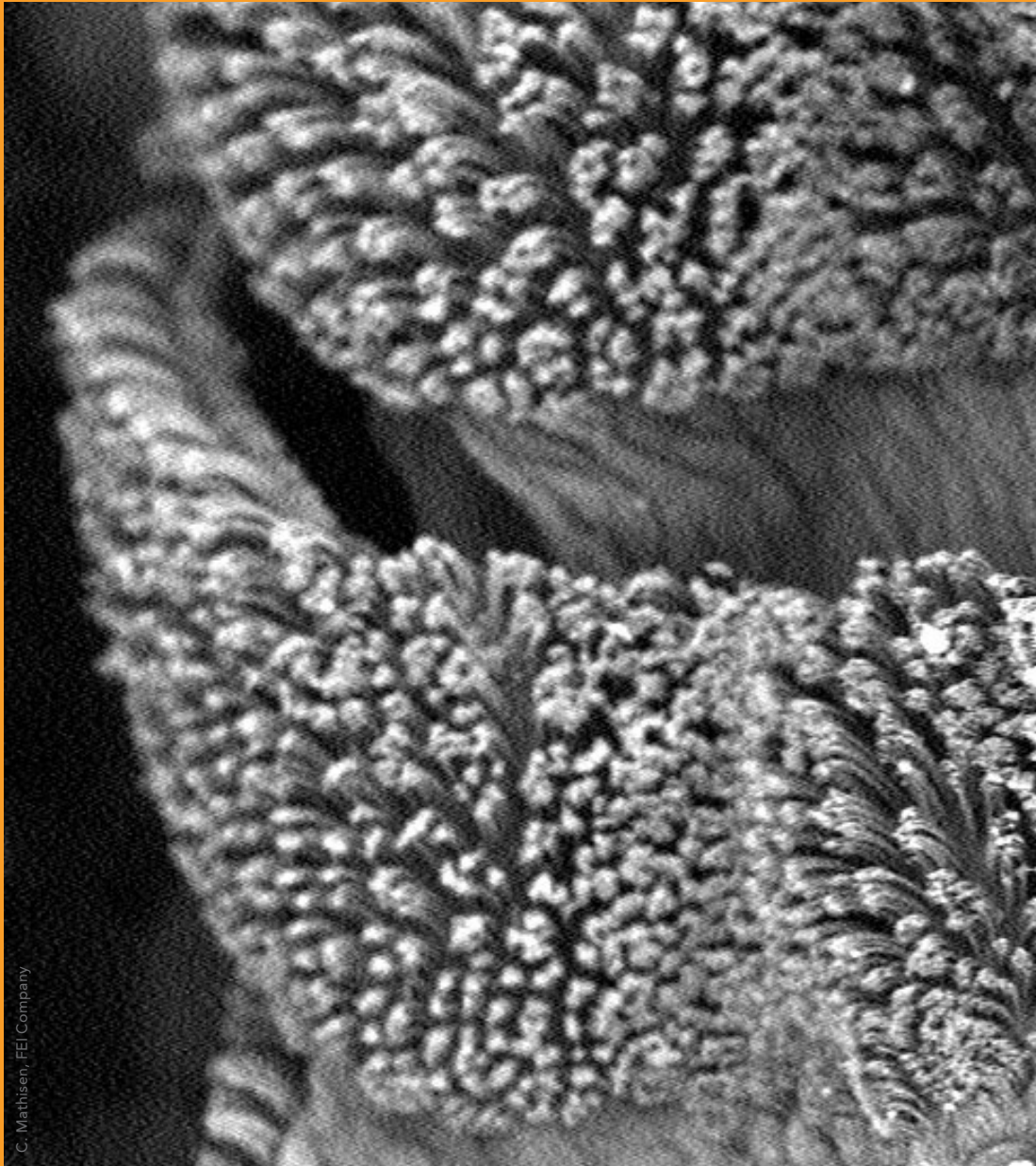
2.5 nm



Genetic code present in all life.

Hair on gecko's feet

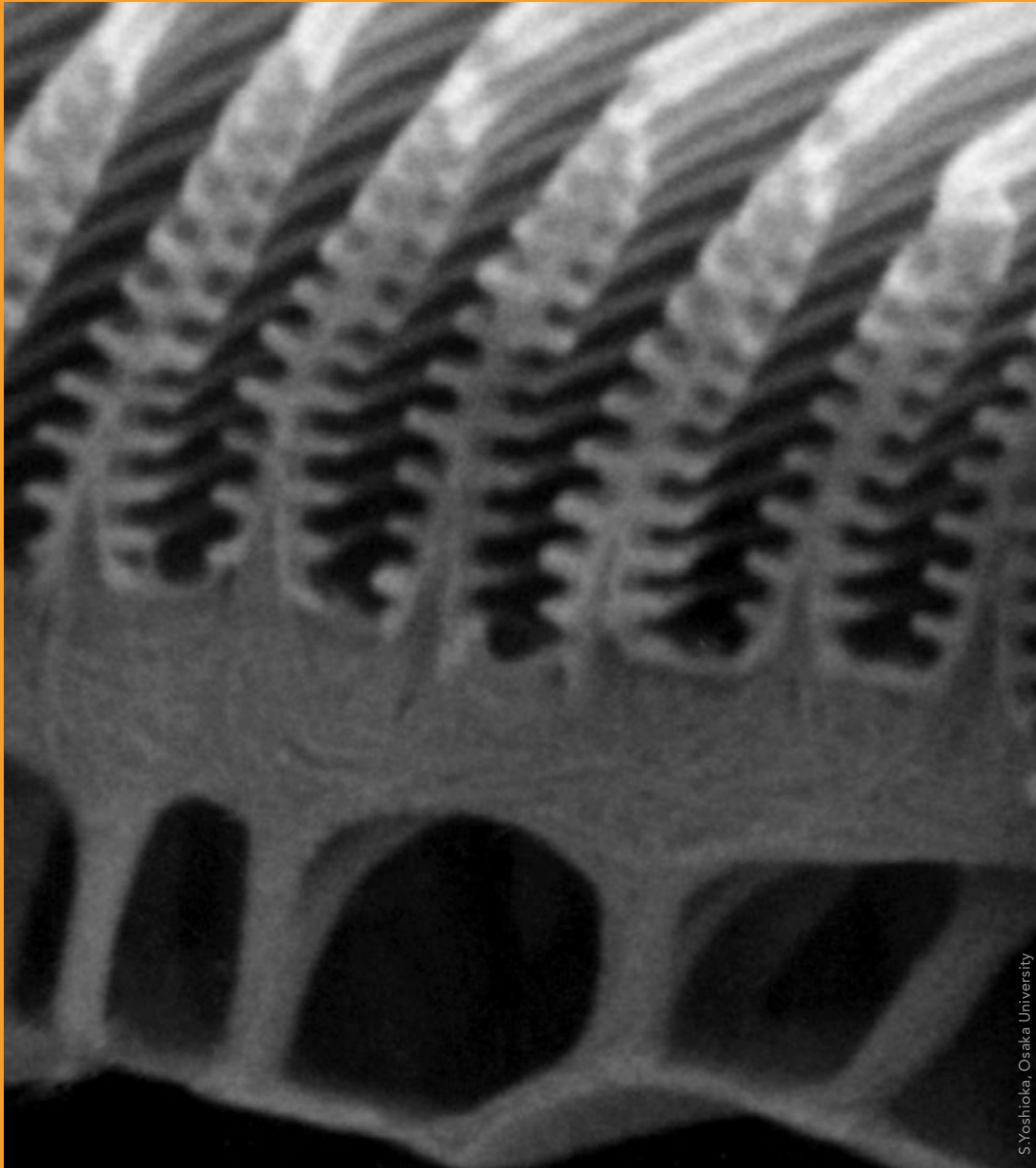
200 nm



Nano-sized split-hairs called *spatulae* located on gecko feet that make geckos really good climbers.

Butterfly wing microribs

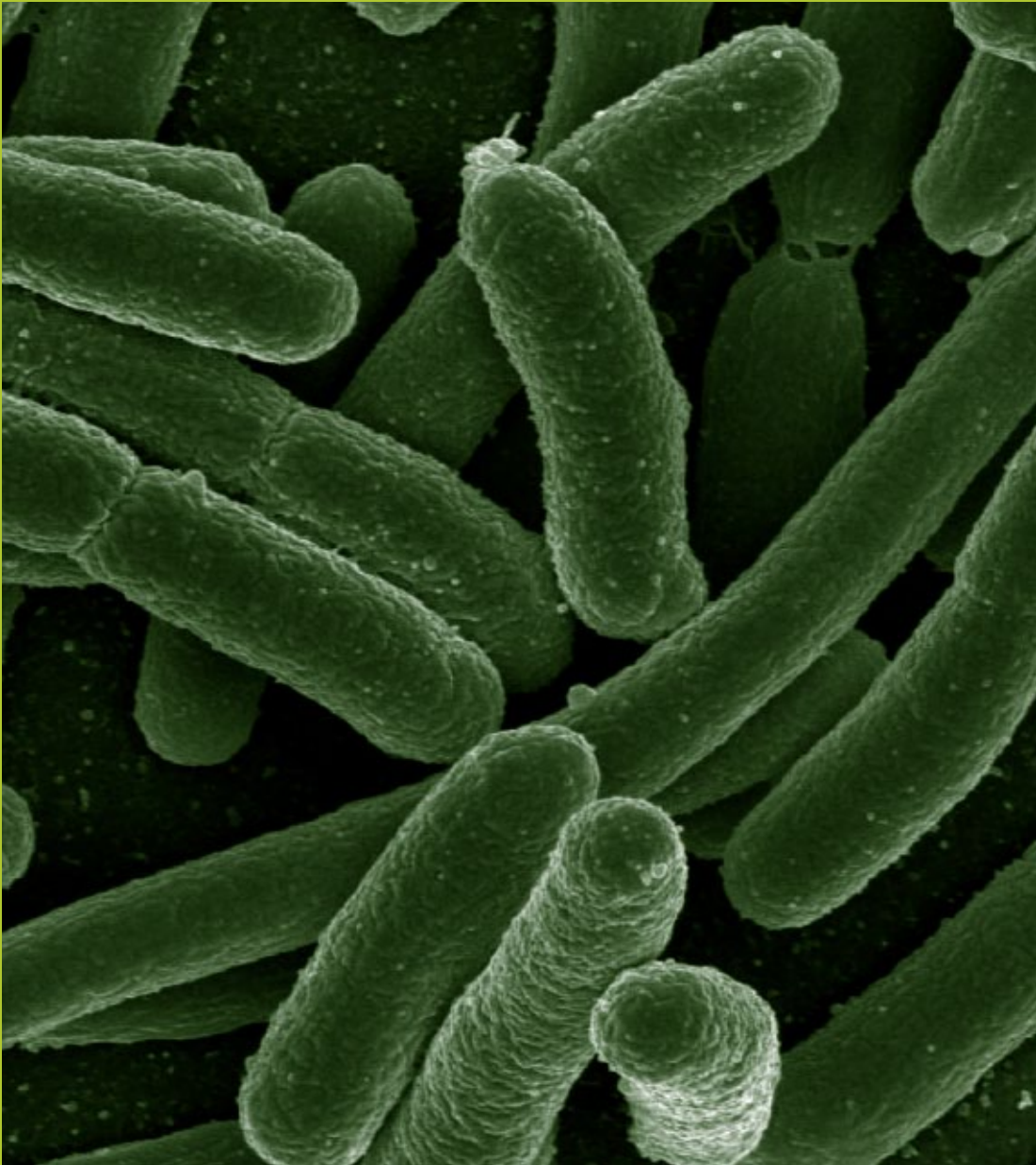
400 nm



Tree-like structures on the undersides of the Blue Morpho's wing that reflect light to create the namesake blue iridescent color.

Bacteria

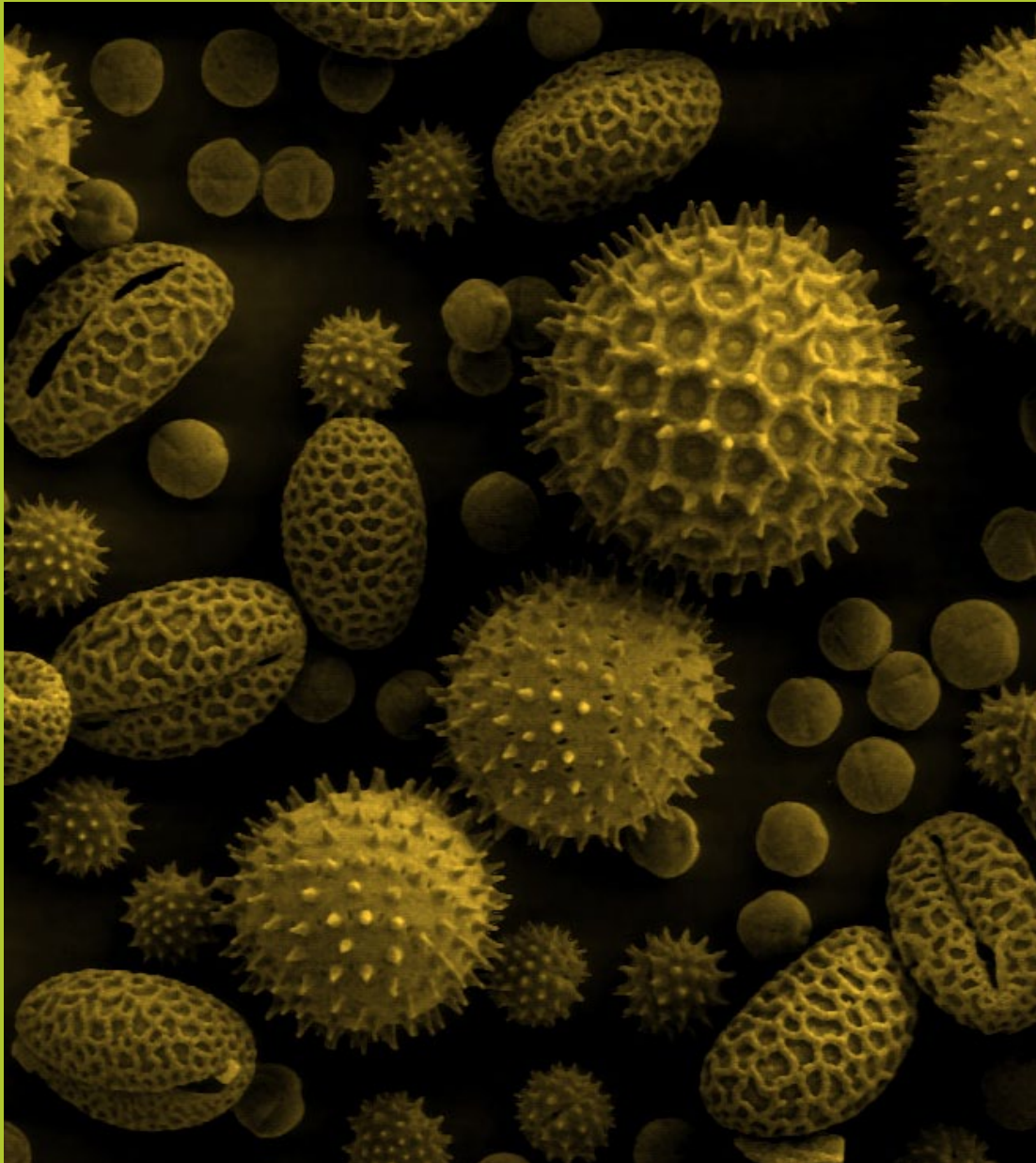
2 μm



E. coli bacteria normally found
in intestines that can make people
very sick.

Pollen

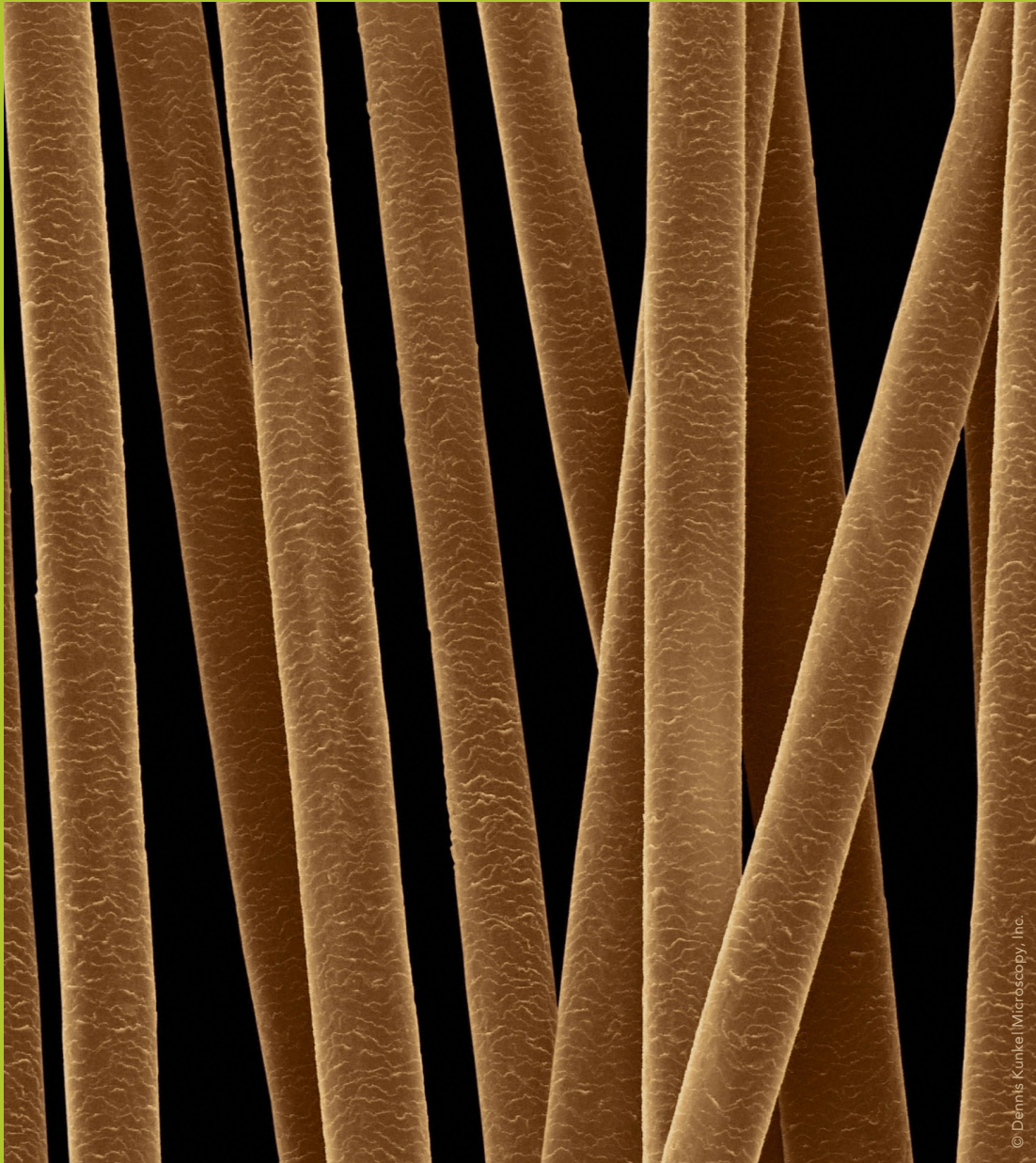
50 μm



Dust containing large amounts of microspores, a part of plant reproduction.

Hair detail

50 μm



Protein filaments that grow from
a follicle beneath the skin.

Dust mite

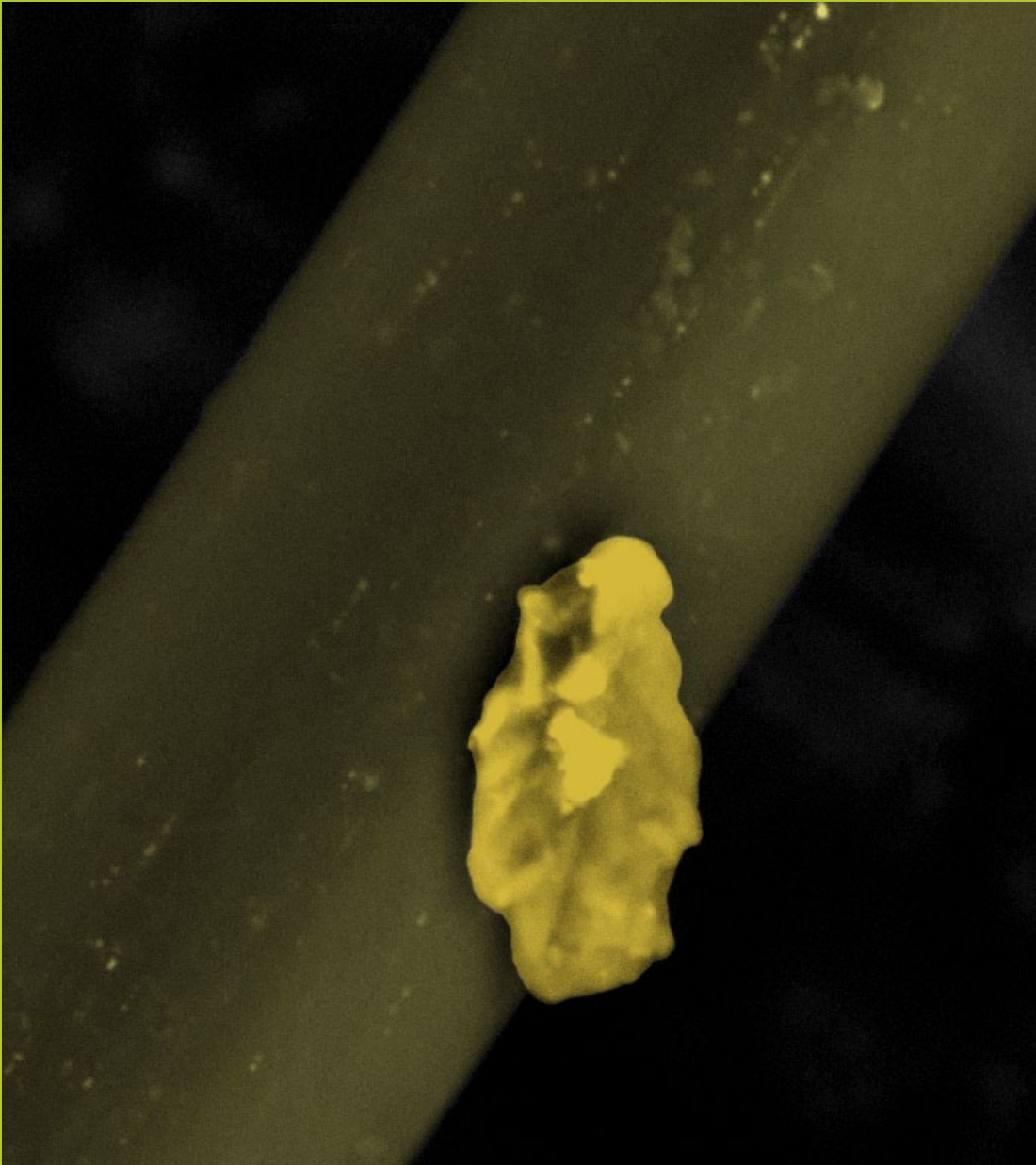
300 μm



Arachnid commonly found in homes
that eats flakes of dead skin.

Dust mite poop

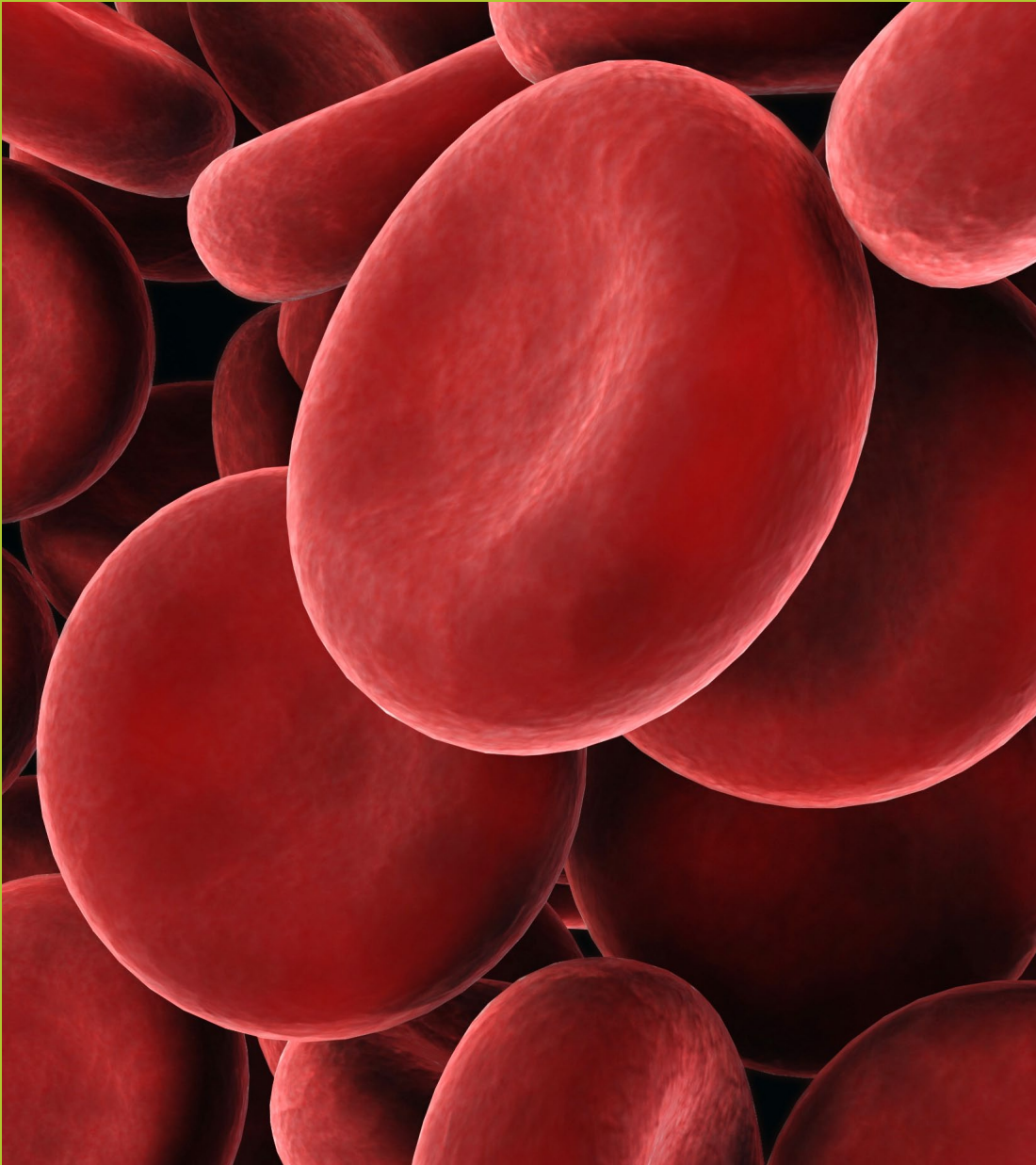
17 μm



Dust mite fecal matter, a major cause of asthma and allergies.

Red blood cell

7 μm



Cells that carry oxygen throughout the body from the lungs.

Oak Tree

20 m



Deciduous tree that can
live over 200 years.

Humpback whale

14 m



Large whale species that communicate through complex songs.

You 1 m



An average 6 to 7 year old is
one meter tall. One meter is
one billion nanometers.

Gecko

13 cm



Lizards who are excellent climbers
because of nanoscale structures
on their feet.

Soccer ball

70 cm



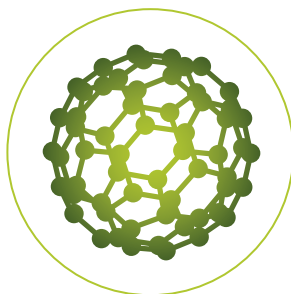
Ball used for a game involving kicking a ball into a goal to score points.

Butterfly

15 cm



Blue Morpho Butterfly, found in Central
and South America



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