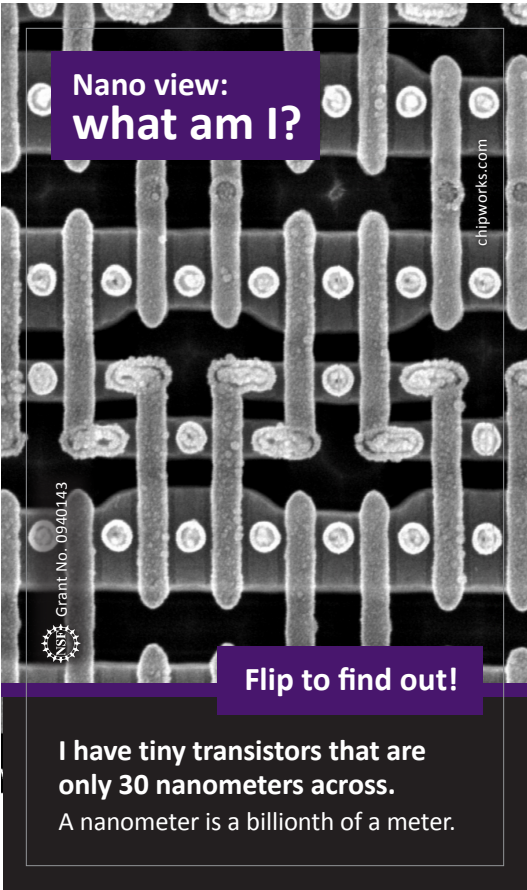


**Nano view:
what am I?**

Grant No. 0940143

Flip to find out!

**I have tiny transistors that are
only 30 nanometers across.**
A nanometer is a billionth of a meter.

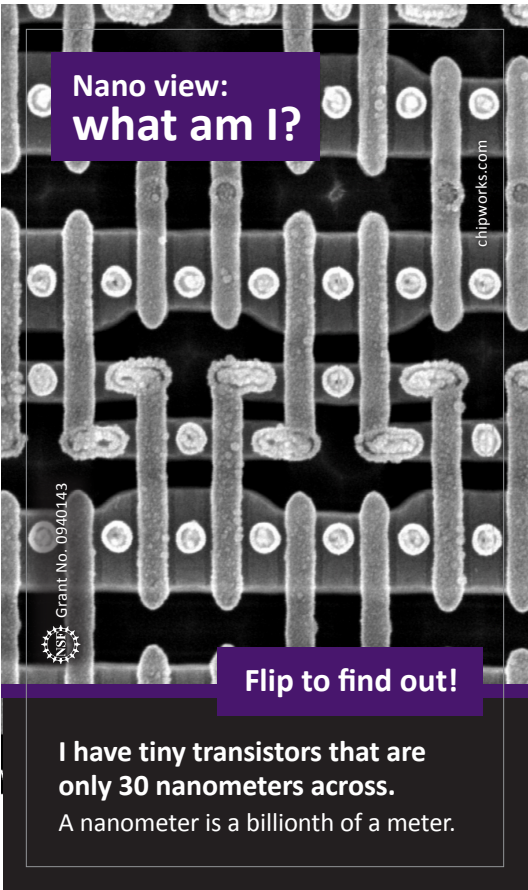


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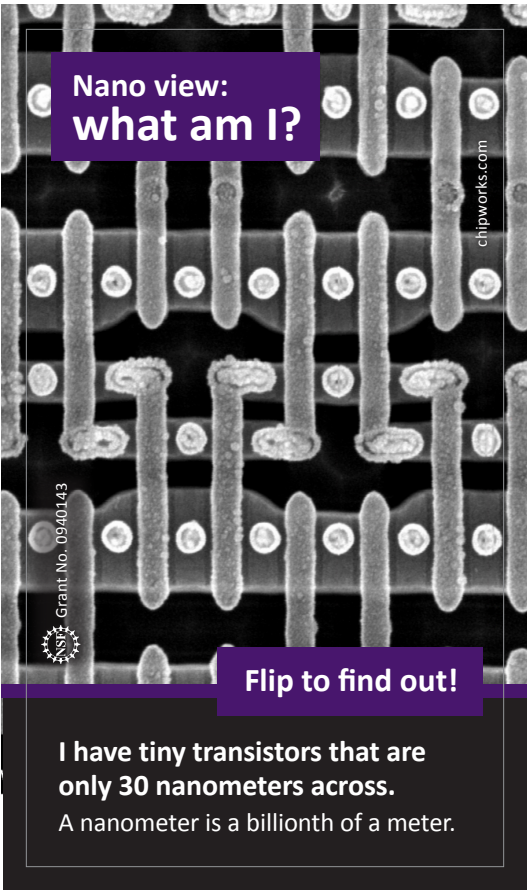


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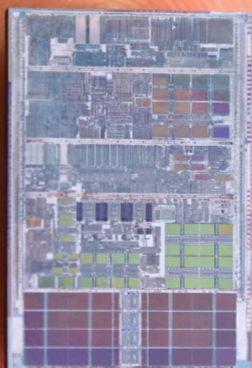
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**Macro view:
computer chip**

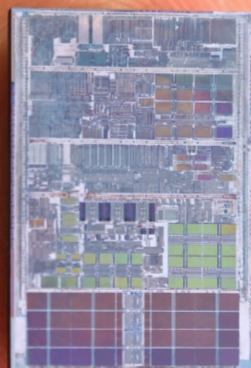


Flip to look closer!

Computer chips have nano-sized transistors that make them small and fast.

whatisnano.org

**Macro view:
computer chip**

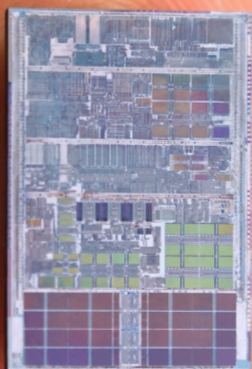


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whatisnano.org

**Macro view:
computer chip**

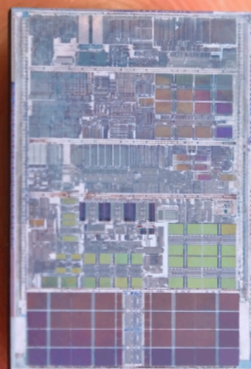


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whatisnano.org

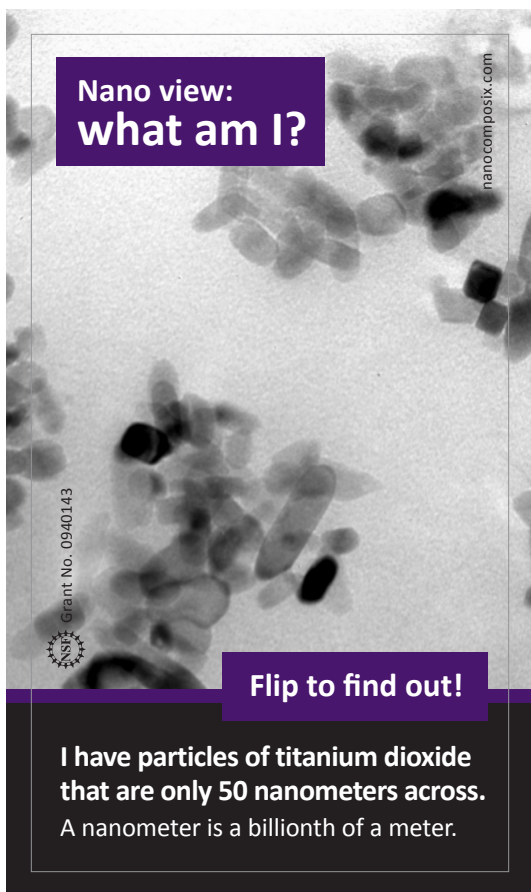
**Macro view:
computer chip**



Flip to look closer!

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whatisnano.org

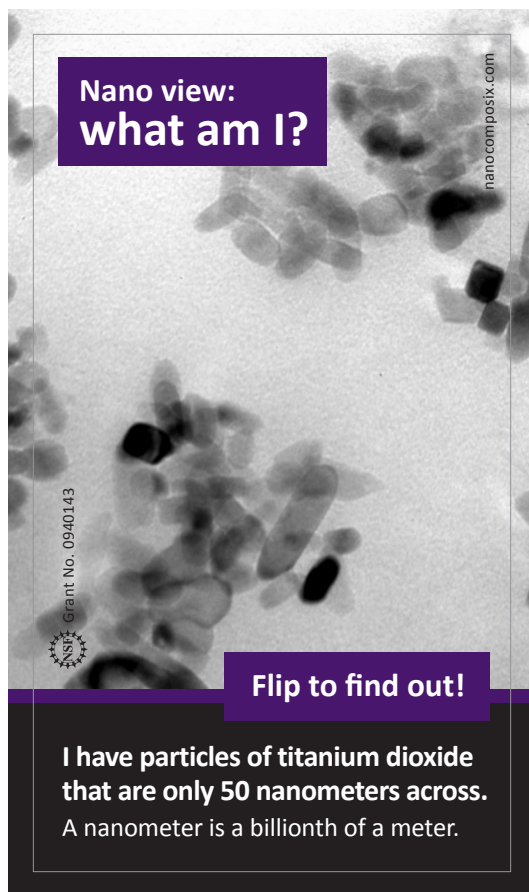


**Nano view:
what am I?**

Grant No. 0940143

Flip to find out!

**I have particles of titanium dioxide
that are only 50 nanometers across.**
A nanometer is a billionth of a meter.

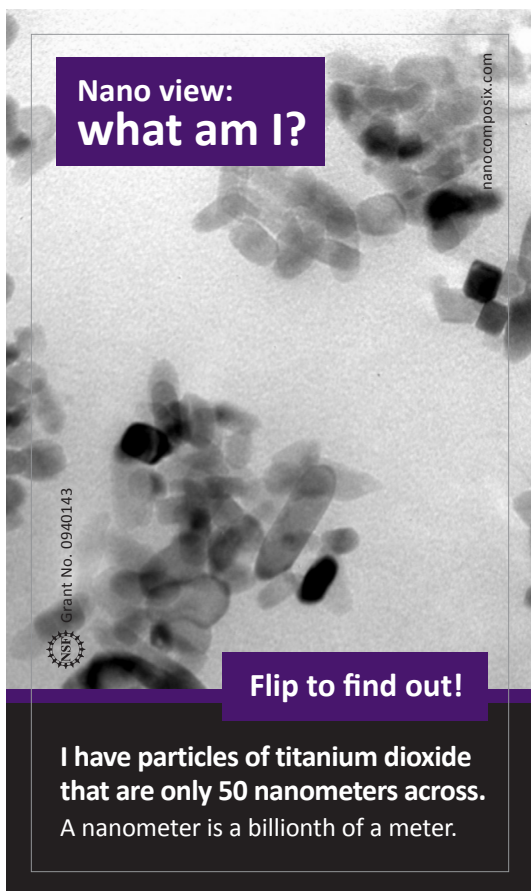


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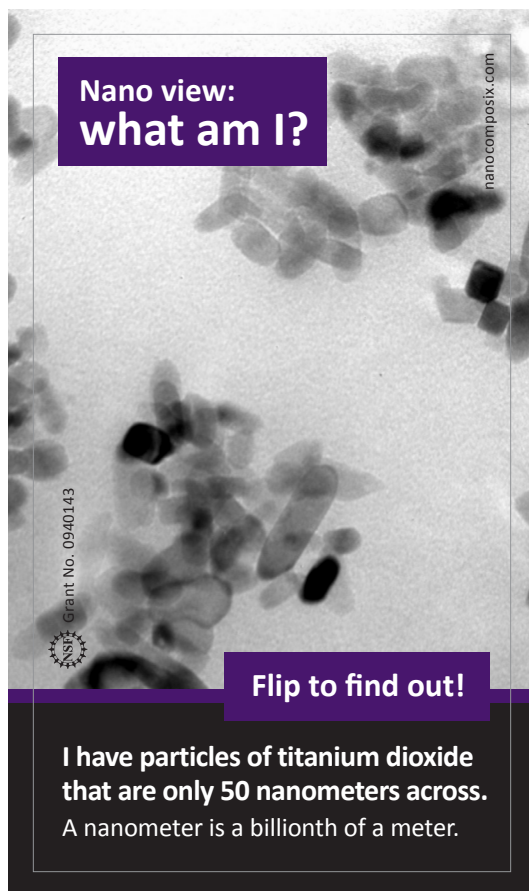


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Macro view:
sunblock



Flip to look closer!

Many sunblocks go on clear because they have nano-sized particles of titanium dioxide.
whatisnano.org

Macro view:
sunblock



Flip to look closer!

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Grant No. 0940143

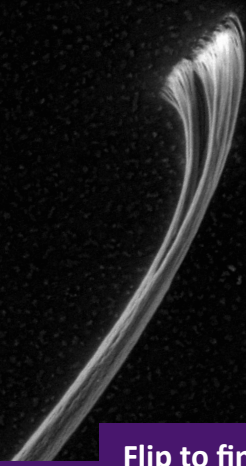
NSF

Flip to find out!

My feet have tiny “hairs” that are only nanometers across.
A nanometer is a billionth of a meter.

A.Kellar, Lewis & Clark College

**Nano view:
what am I?**



Grant No. 0940143

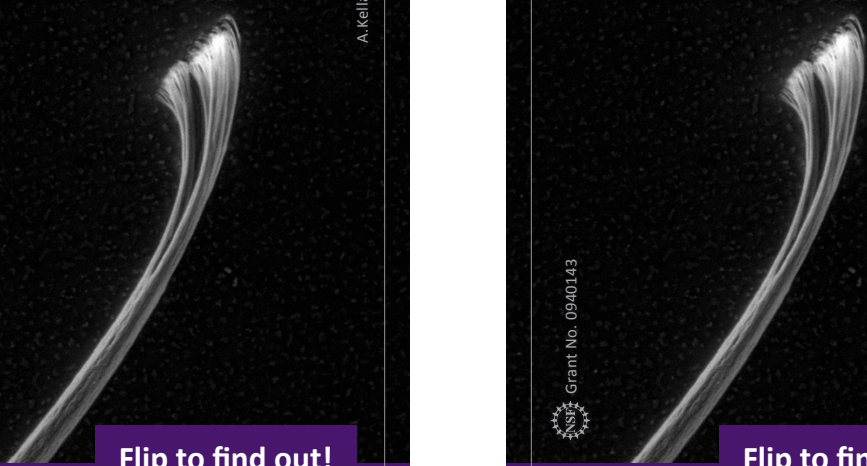
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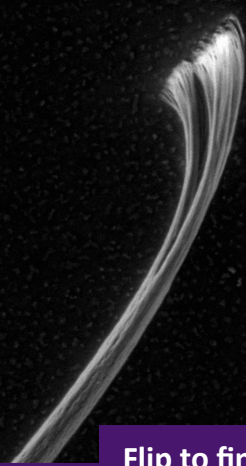
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Macro view:
gecko



Flip to look closer!

Geckos can walk upside down
because their feet have millions
of nano-sized "hairs."

whatisnano.org

Macro view:
gecko



Flip to look closer!

Geckos can walk upside down
because their feet have millions
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whatisnano.org

Macro view:
gecko



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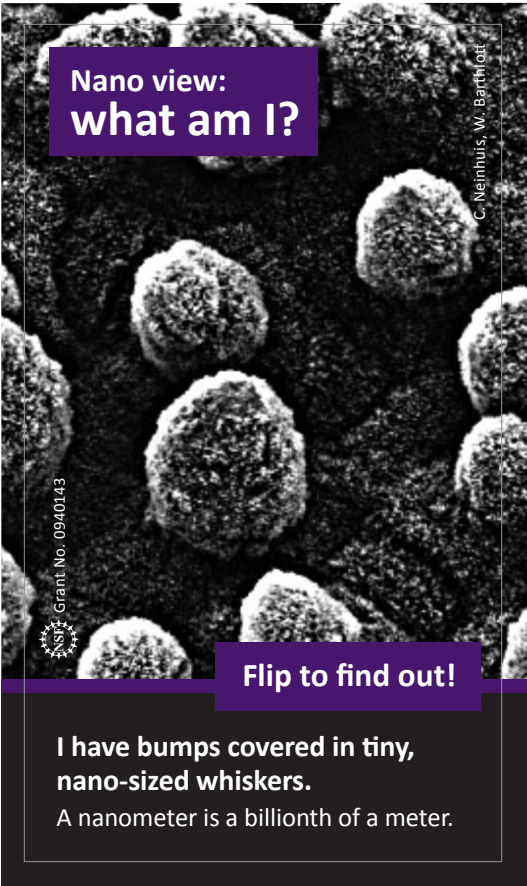
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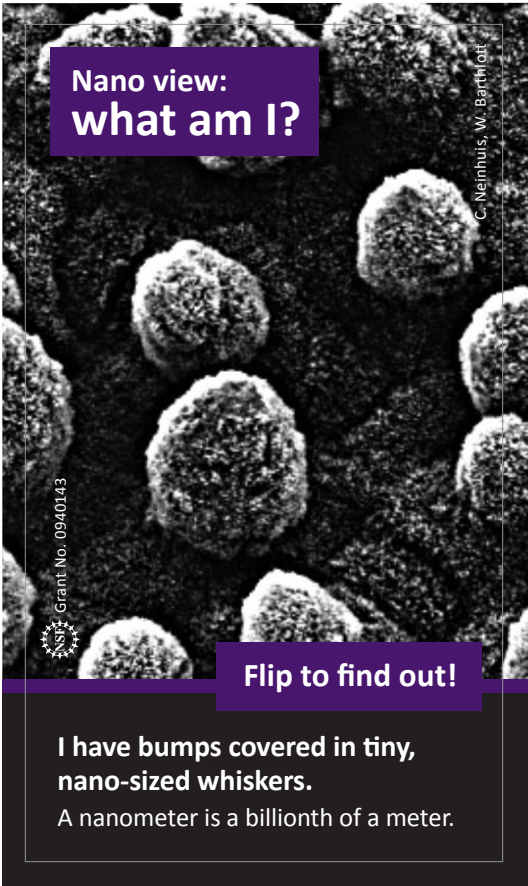
**Nano view:
what am I?**

Grant No. 0940143

C. Neinhuis, W. Barthlott

Flip to find out!

**I have bumps covered in tiny,
nano-sized whiskers.**
A nanometer is a billionth of a meter.



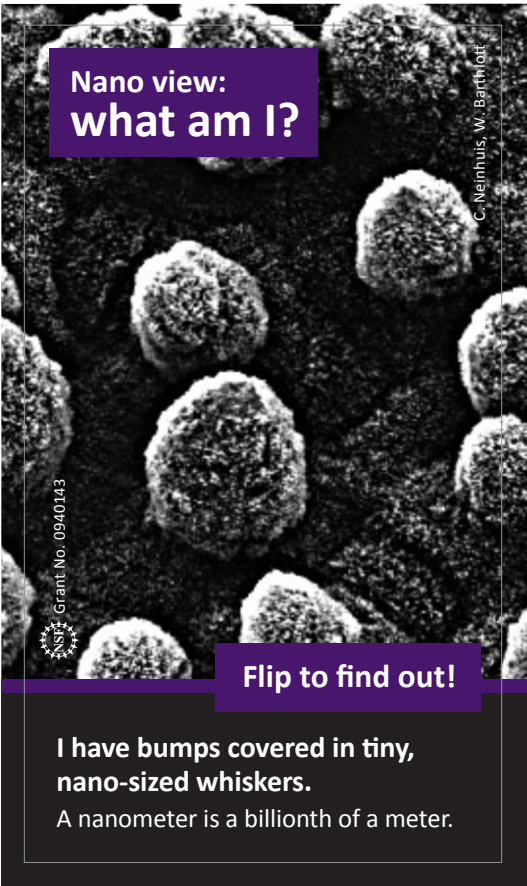
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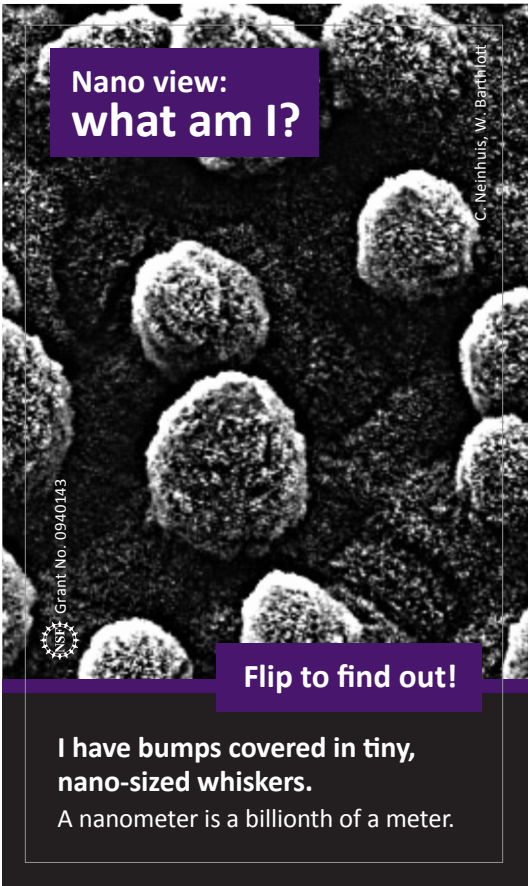
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**Macro view:
lotus leaf**

Flip to look closer!


Lotus leaves shed water because they have bumps covered in nano-sized whiskers.
whatisnano.org



**Macro view:
lotus leaf**

Flip to look closer!


Lotus leaves shed water because they have bumps covered in nano-sized whiskers.
whatisnano.org



**Macro view:
lotus leaf**

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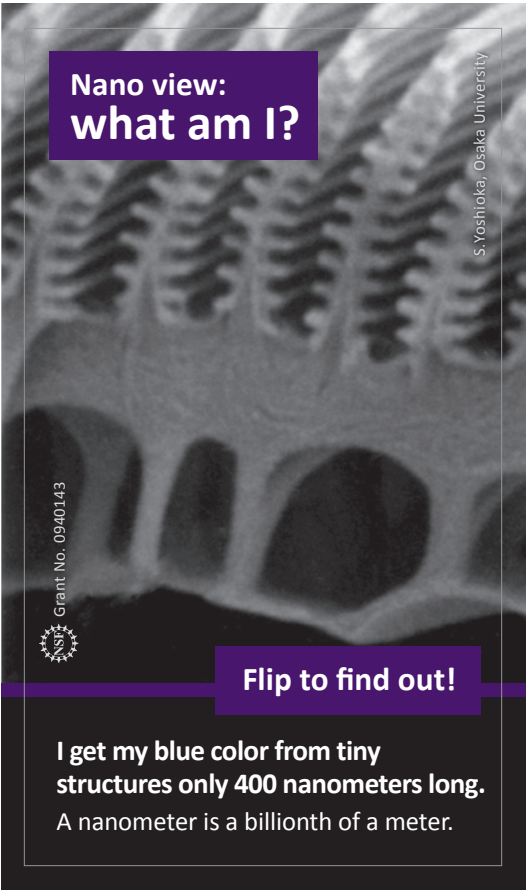
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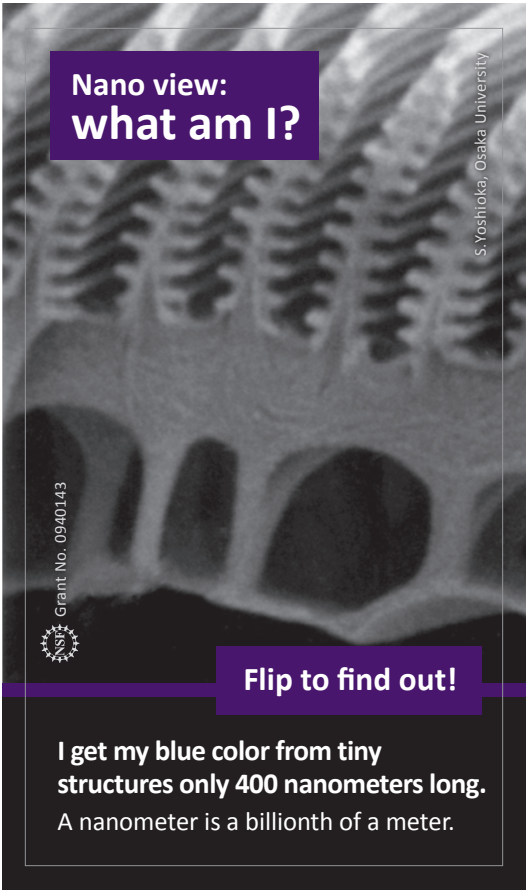
Grant No. 0940143

NSF

Flip to find out!

I get my blue color from tiny structures only 400 nanometers long.
A nanometer is a billionth of a meter.

S. Yoshioka, Osaka University



**Nano view:
what am I?**

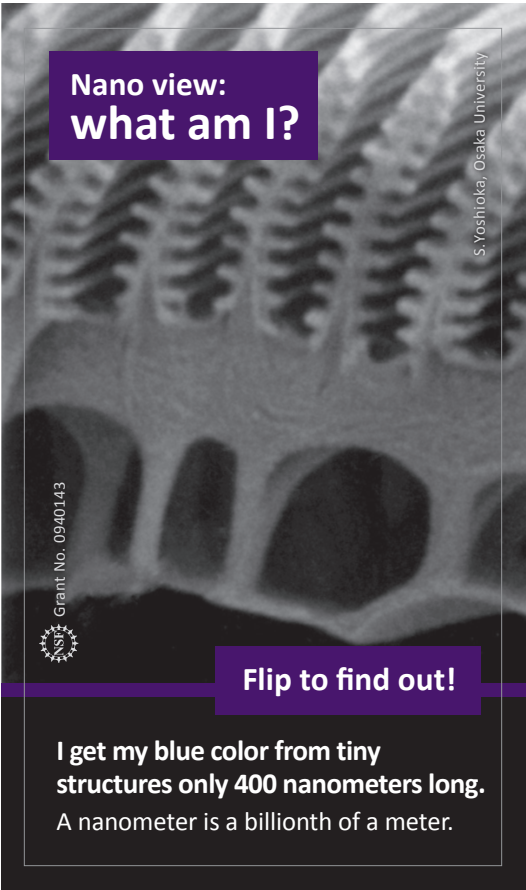
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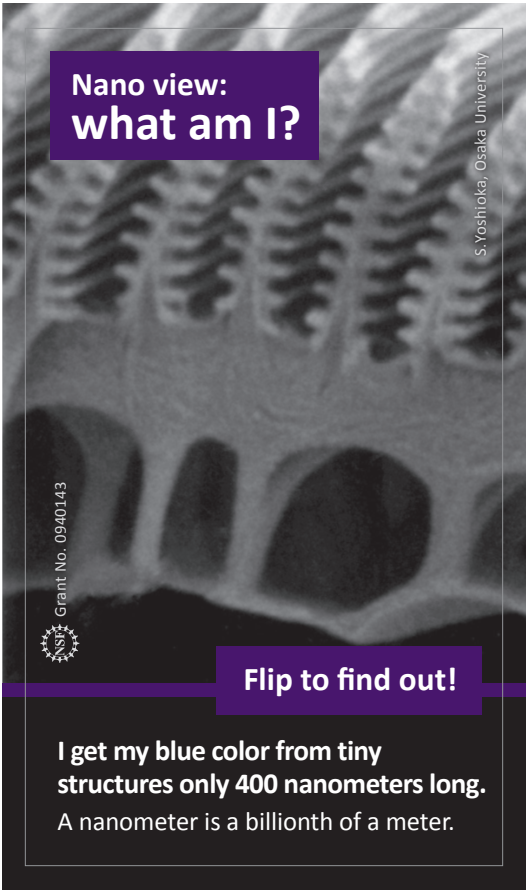
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**Macro view:
Blue Morpho butterfly**



Flip to look closer!

Blue Morpho butterflies get their color from transparent, nano-sized structures.

whatisnano.org

**Macro view:
Blue Morpho butterfly**



Flip to look closer!

Blue Morpho butterflies get their color from transparent, nano-sized structures.

whatisnano.org

**Macro view:
Blue Morpho butterfly**



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Blue Morpho butterfly**



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