

Sensitive Constructions

Future Buildings

innovationlab

Design Assistant
 Program Manager
 Project Manager



Oh the irony



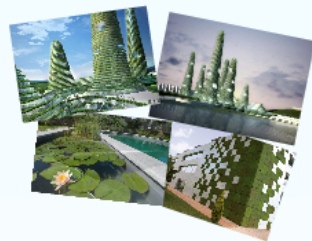
As material sciences evolve and importance of the environment does the same

Will insects rule the world?



Let's face it:
 Architects are not good at making plans of nature & materials

source of inspiration



Sustainability revolution



Old & forgotten materials will rise again

Like straw...



New materials will make us building a collage!



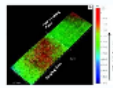
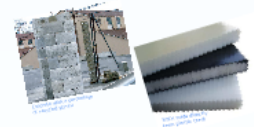
But where does nature fit in?



New materials mean new construction

All these new materials brings new opportunities

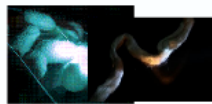
Let's use plastic



Sensors inside your body



And now it gets easy! hairy



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Thomas Hoffmann
 Co-Founder
 Project Manager



Oh the irony



As material sciences evolve and importance of the environment does the same

Will insects rule the world?



Let's think
 about
 products with
 25 years more
 of service & enjoyment

source of inspiration

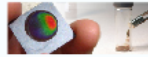


Sustainability everywhere



Old & forgotten materials will rise again

Like straw...



But where does nature fit in?



New materials will make our buildings smarter.



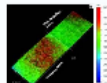
New materials mean new possibilities

All these new materials brings new opportunities



Sustainability in everything

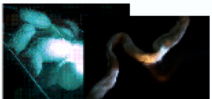
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Senses inside your body



And now it gets scary! hairy



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Future Buildings

Thomas Wittenburg
Lab Agent
Project Manager



innovationlab

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Present archaeology



Growth hub



Dream factory



- Forms & Design
- Materials & Technology
- Biology & Sensors



Oh the irony



errr... History!

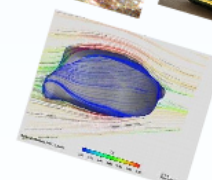
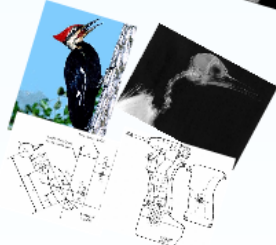
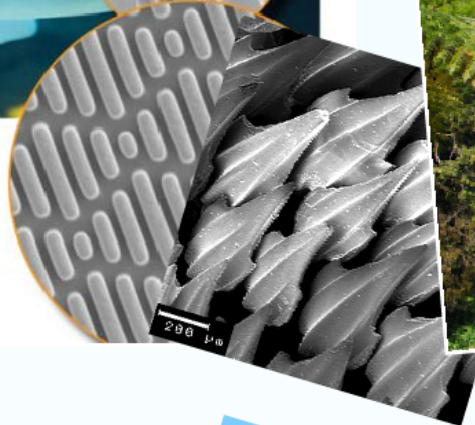
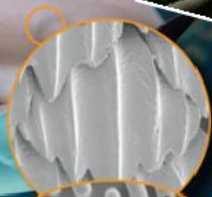
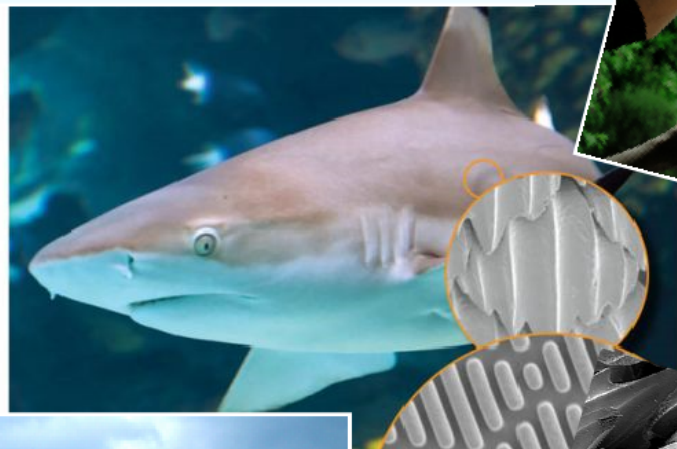


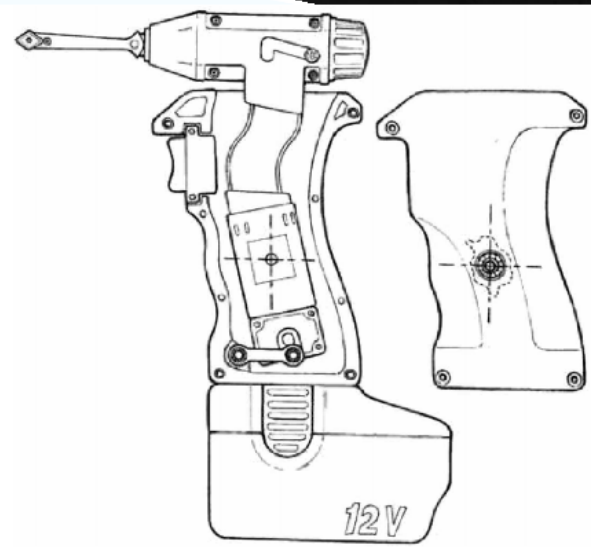
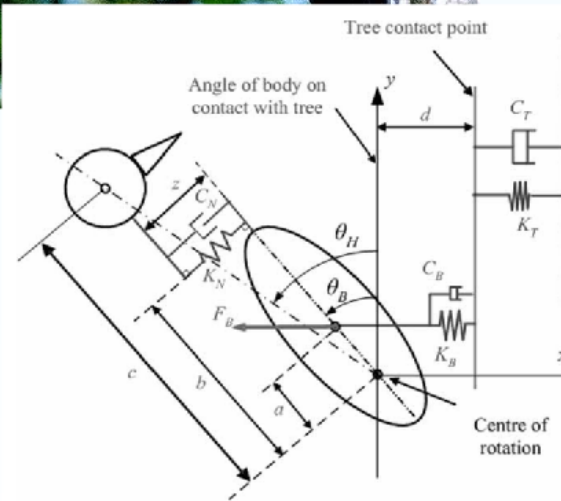
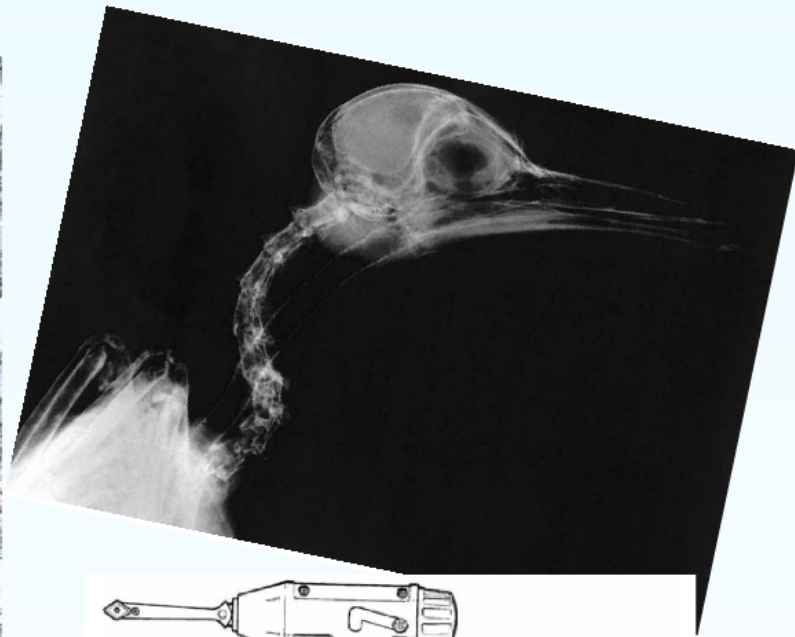
As material sciences evolve
and importance of the
environment does the same

nature becomes
the no. 1

nature becomes
the no. 1

source of inspiration





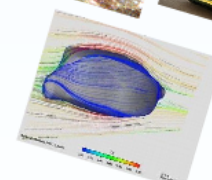
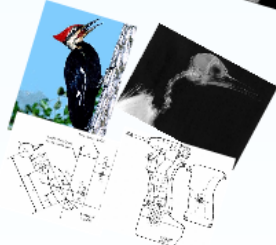
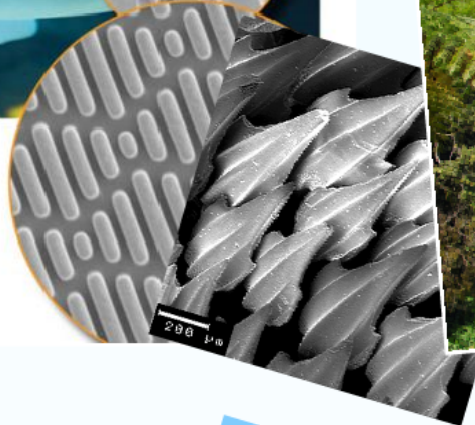
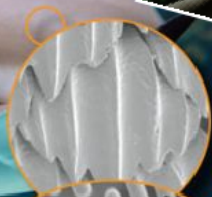
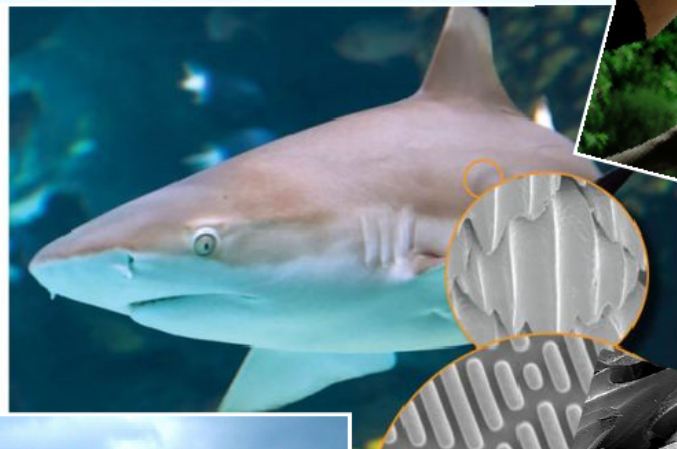






nature becomes
the no. 1

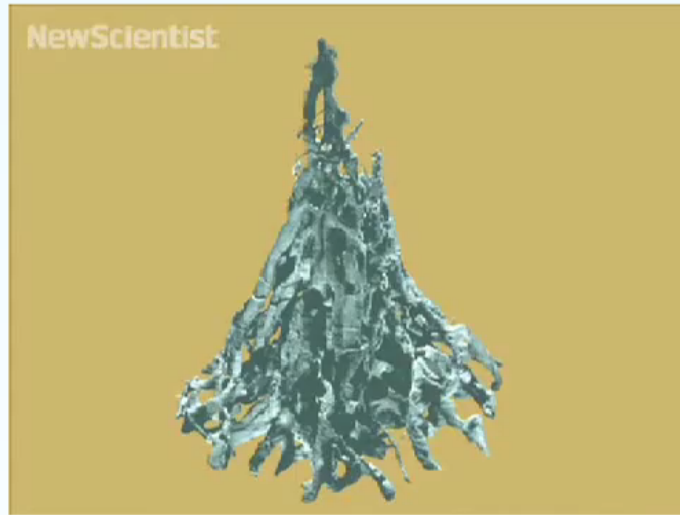
source of inspiration



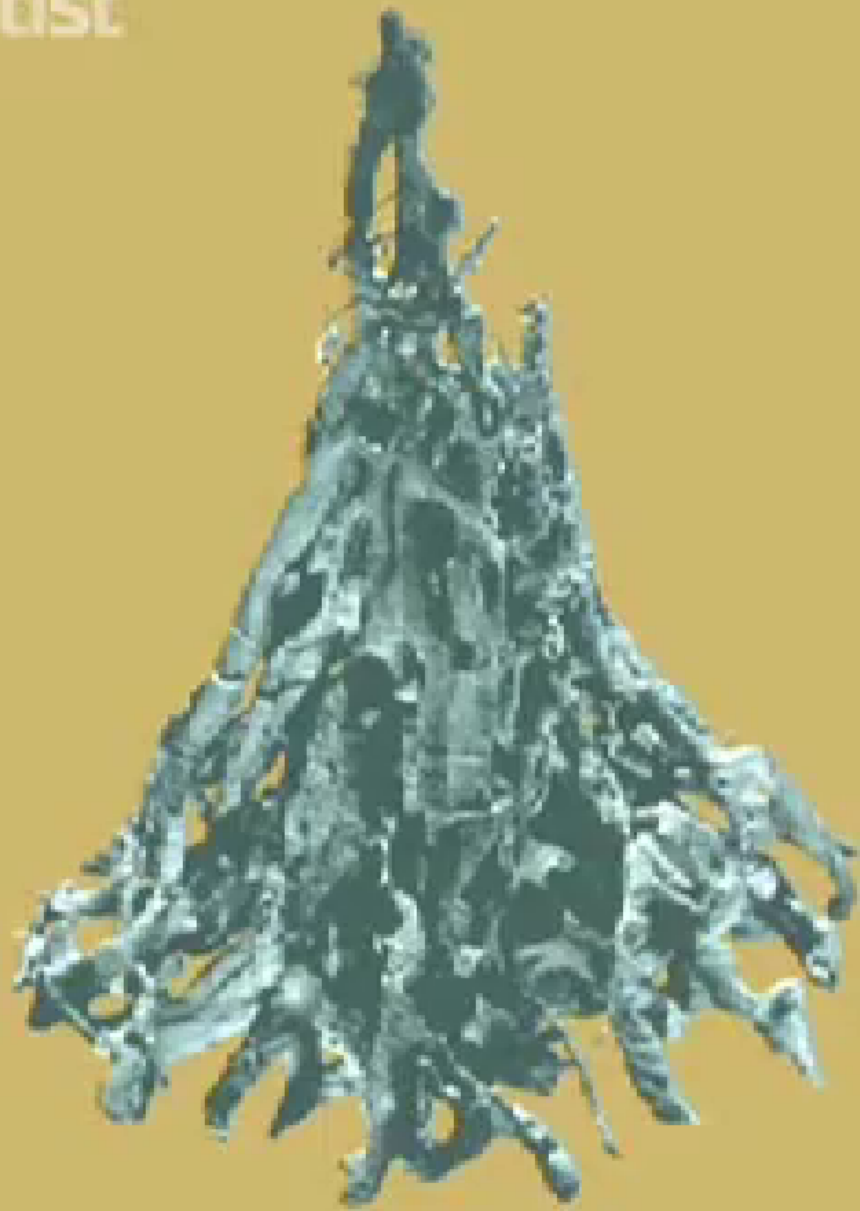
Let's face it:

Nobody
Can compete with
3.5 billions years
of research & development

Will insects rule the world?

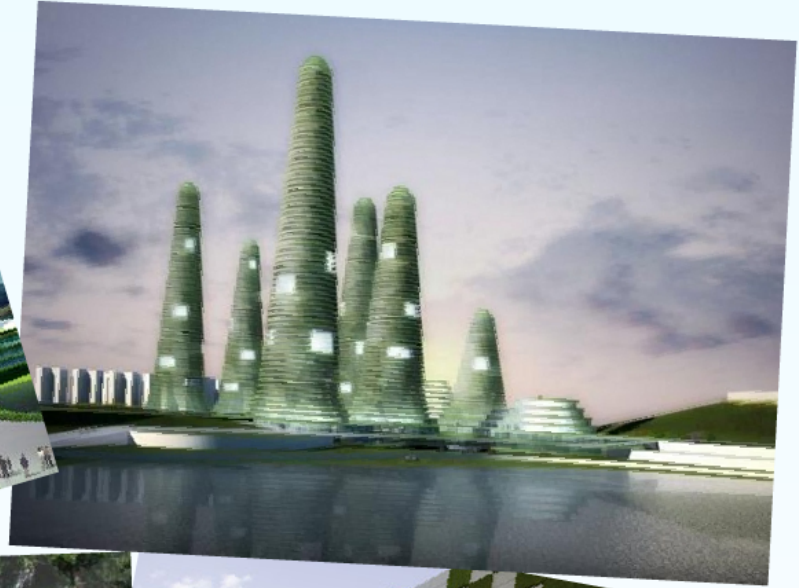
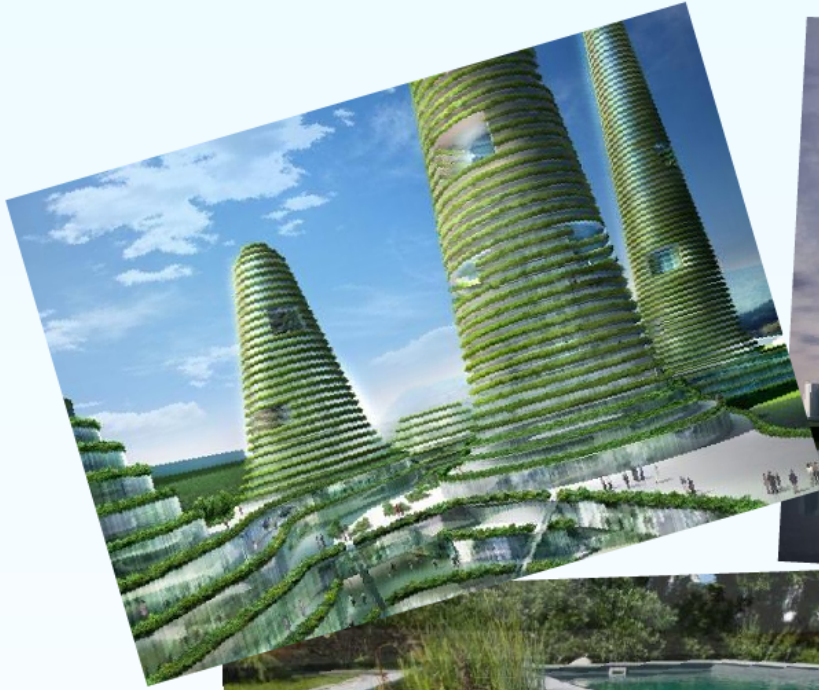


NewScientist



So let's take a look
at the naturistic
buildings of tomorrow

So let's take a look
at the futuristic
buildings of tomorrow



Sustainability everywhere



Old & forgotten materials
will rise again

Like straw...

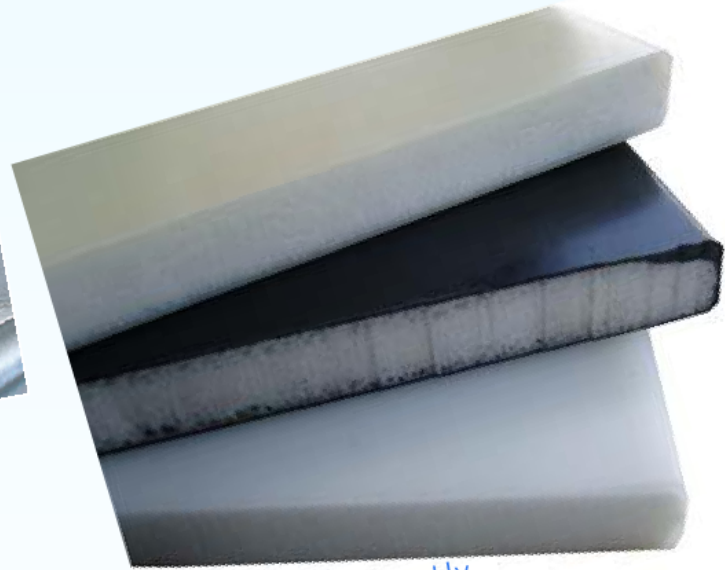


Sustainability is
also recycling

Let's use plastic



Concrete with a percentage
of recycled plastic



Walls made directly
from plastic trash

New materials will make
our buildings intelligent

Just imagine a world,
where buildings are able to

Just imagine a world,
where buildings are able to

repair themselves



Greensulate



New materials means
new possibilities

Sensors everywhere



And now it gets ~~scary!!~~
hairy







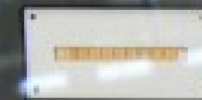
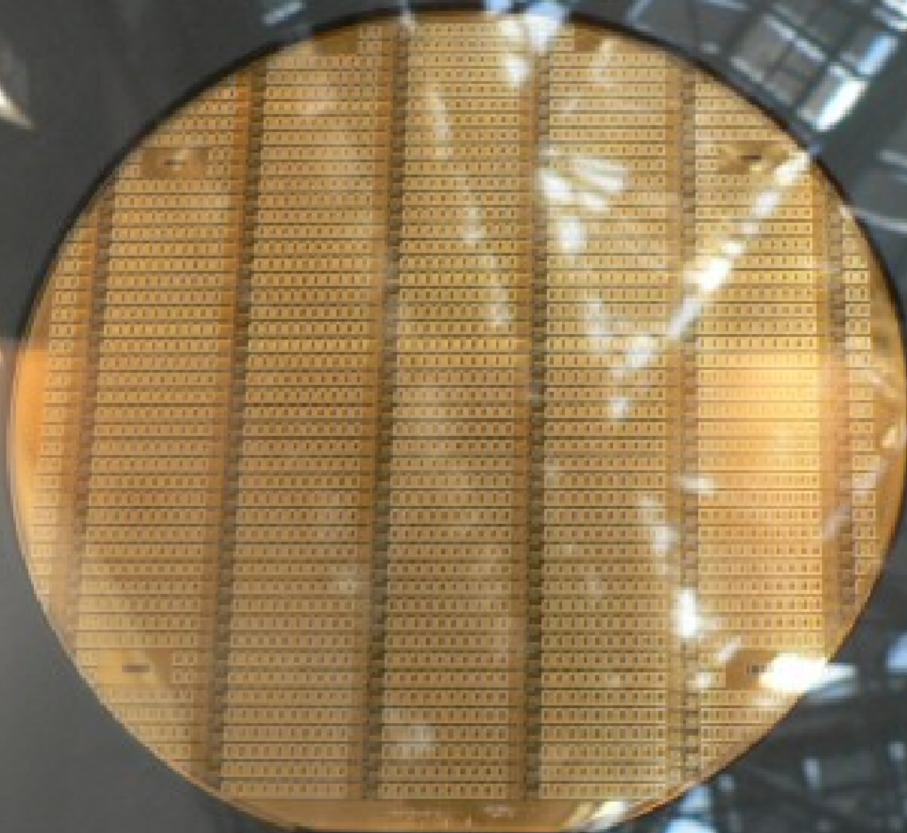
Sensors inside your body





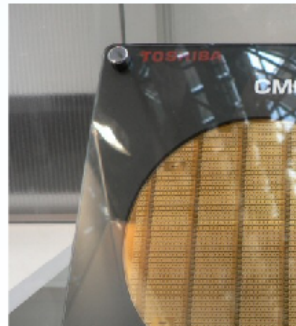
TOSHIBA

CMOS型DNAチップ



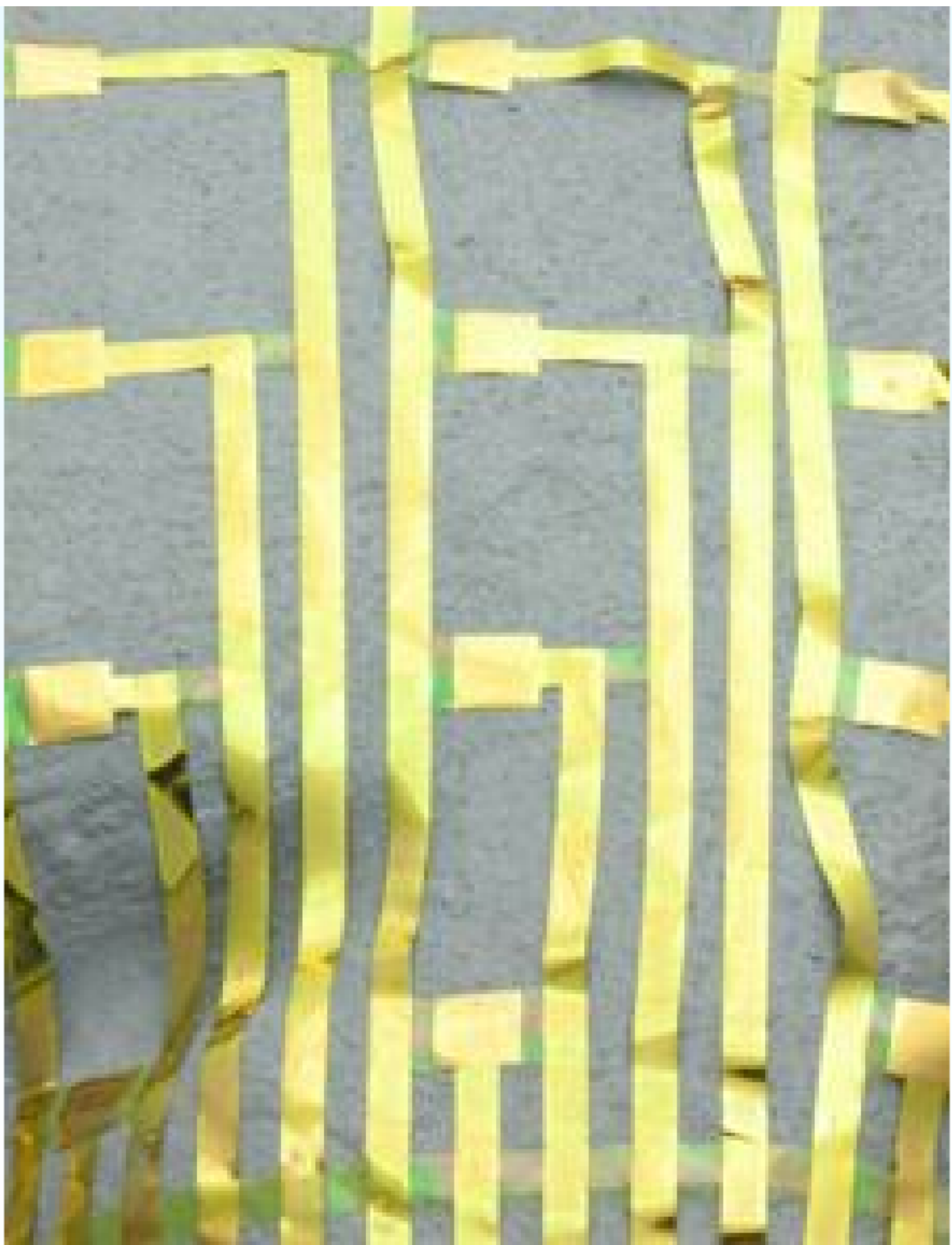
φ150mmウェハ (試作品)

実装済みチップ (試作品)



ICT, biology and construction merges

ICT, biology and construction merges



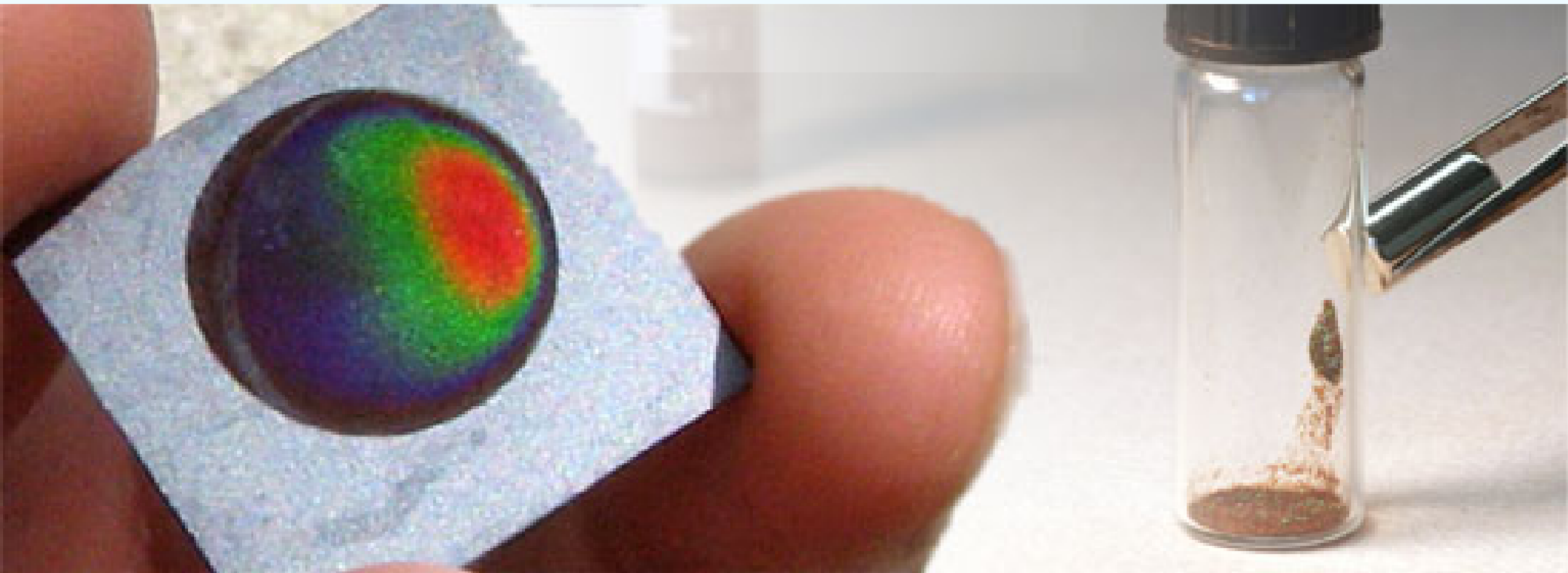
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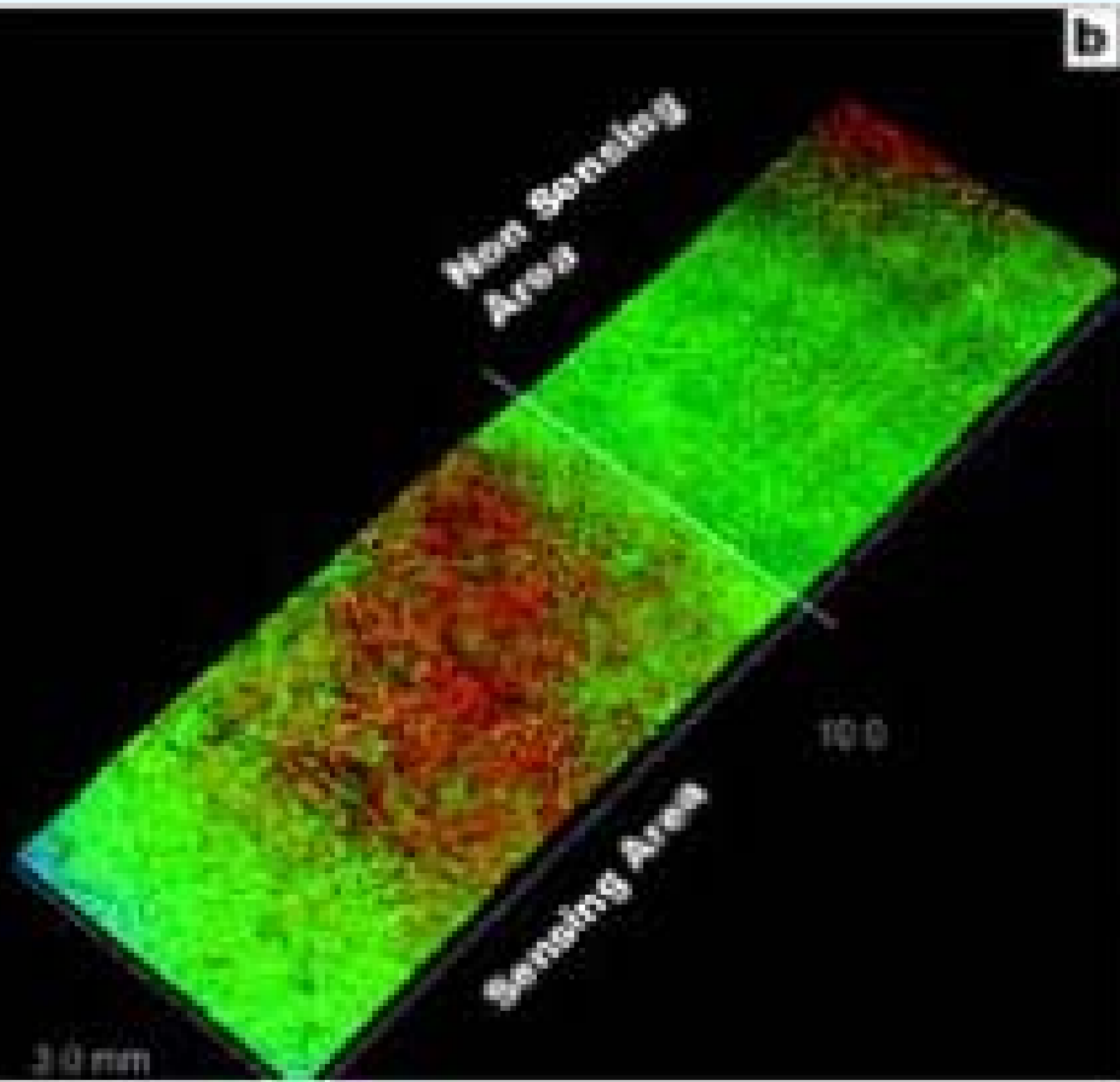
NewScientist



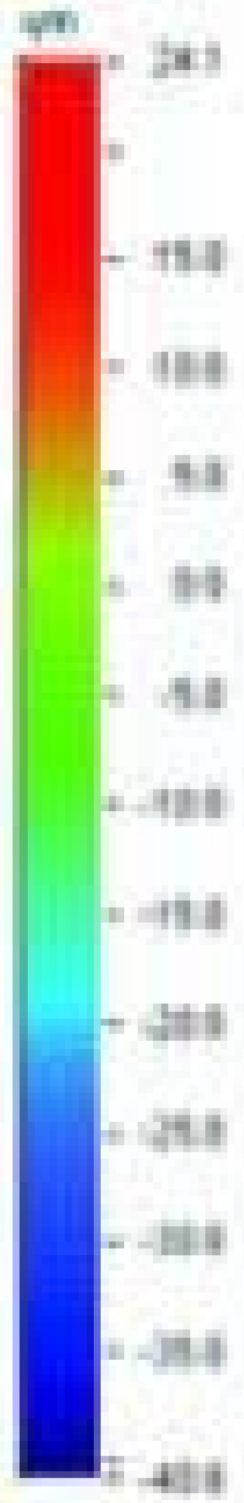
HALAB

—
600 μm





b

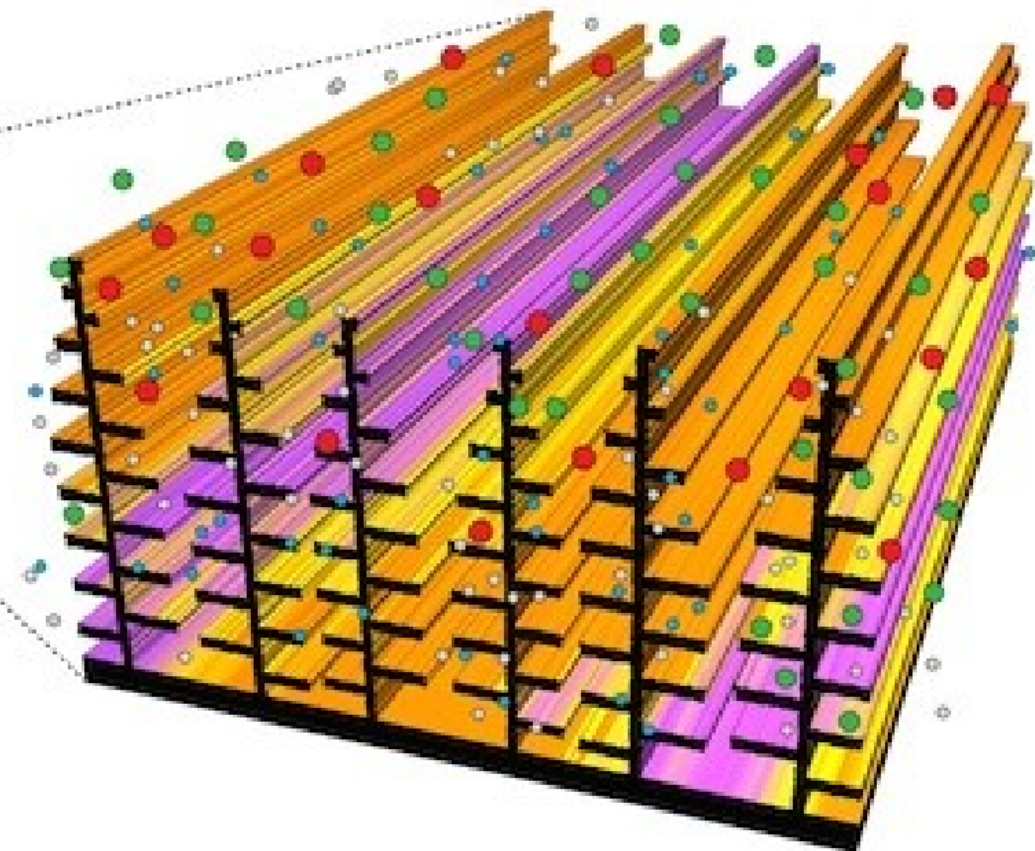


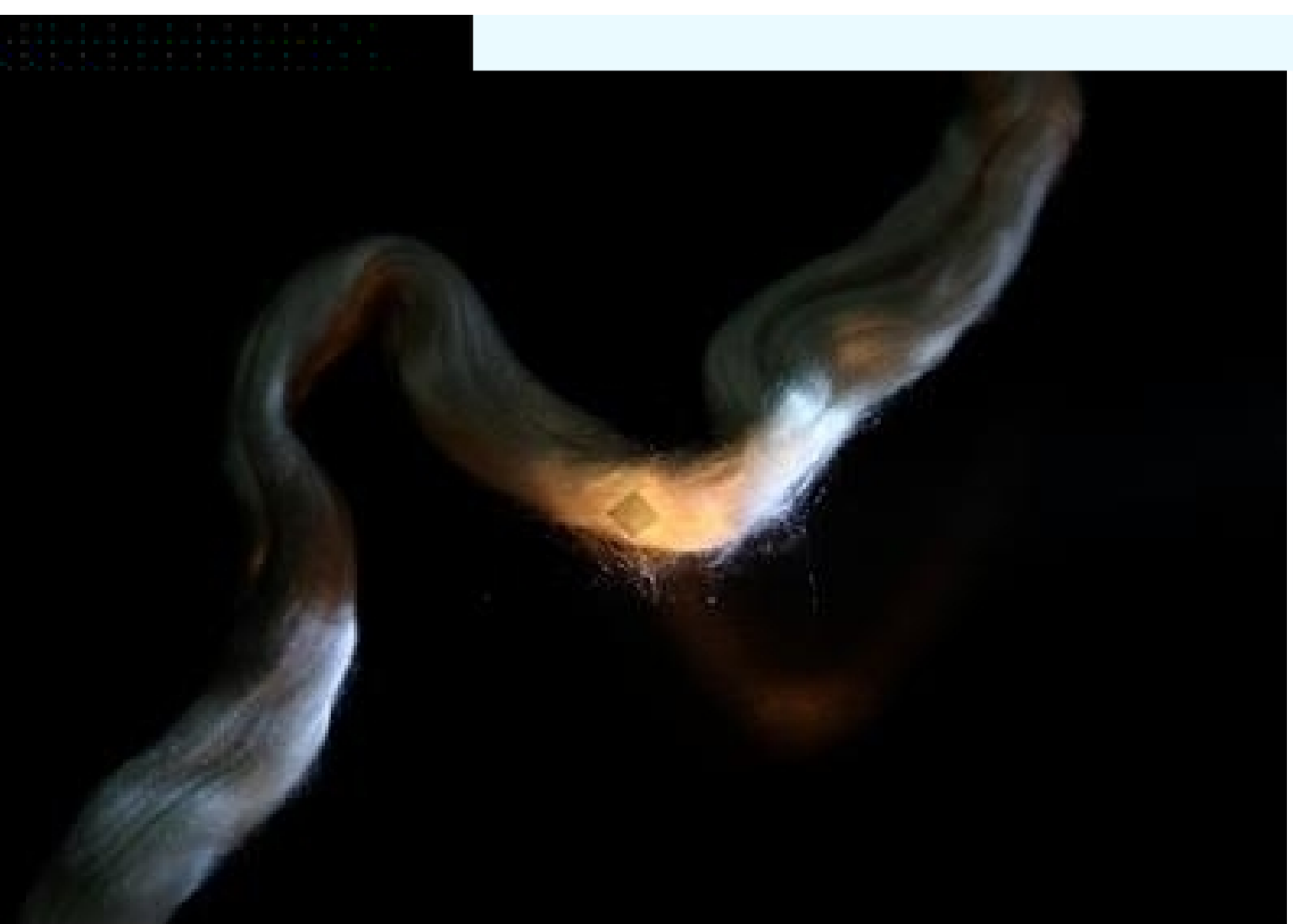
Film thickness ↑

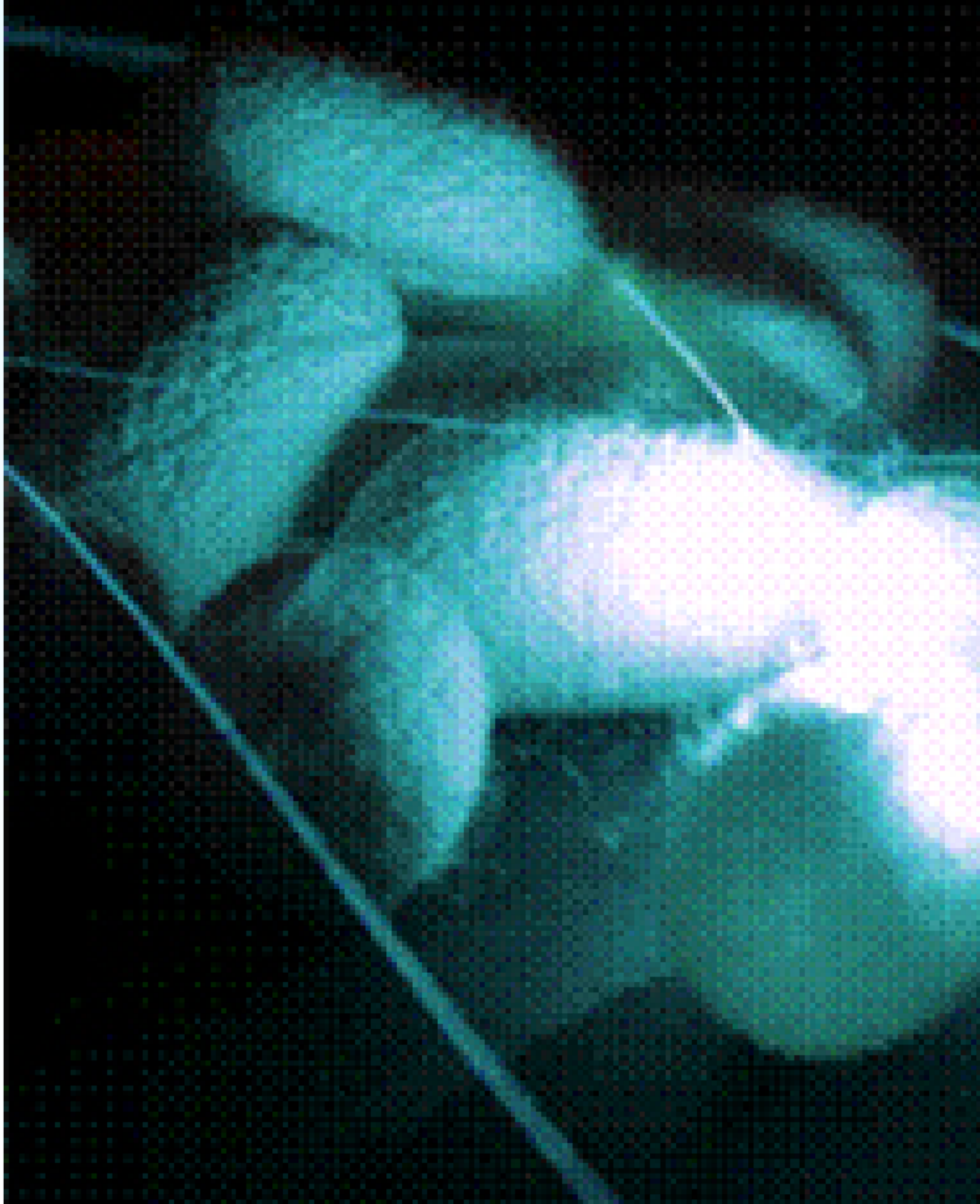
Film thickness

3.0 mm

10.0







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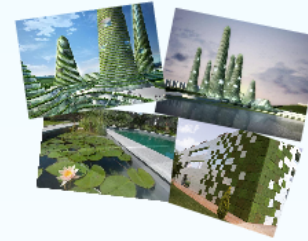
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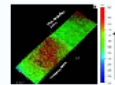
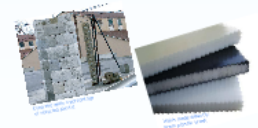
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