

**mit**  
**media**  
**lab**

# Antidisciplinary



 affective computing


 biomechatronics

 camera culture

 changing places

 civic media

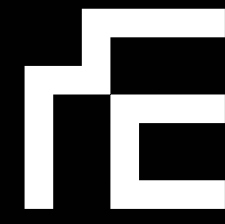
 design fiction

 fluid interfaces

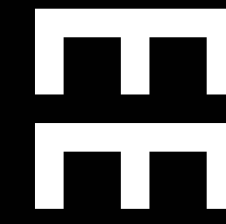
 human dynamics

 lifelong kindergarten

 living mobile

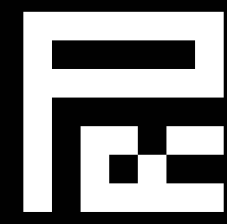
 macro connections

 mediated matter

 molecular machines

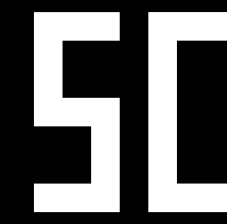
 object-based media

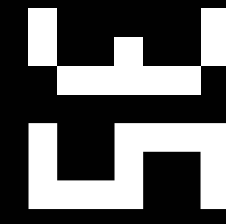
 opera of the future

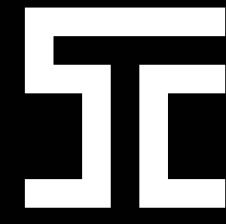
 personal robots

 playful systems

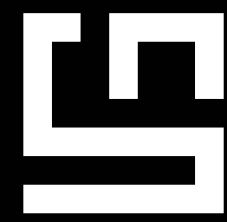
 responsive environments

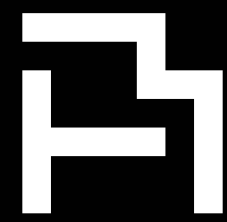
 scalable cooperation

 sculpting evolution

 social computing

 social machines

 synthetic neurobiology

 tangible media

 viral communications



HOWLAND



BI





A complex network graph visualization with nodes and edges in various colors (blue, green, red, yellow) and starburst patterns. The nodes are represented by starburst shapes, and the edges are thin lines connecting them. The overall structure is dense and interconnected, with a central cluster of nodes and edges. The colors of the nodes and edges vary, suggesting different categories or weights. The background is black, making the colorful network stand out.

AI



# The principles

**Emergence**

**Authority**

**Pull**

**Push**

**Compasses**

**Maps**

**Risk**

**Safety**

**Disobedience**

**Compliance**

**Practice**

**Theory**

**Diversity**

**Ability**

**Resilience**

**Strength**

**Systems**

**Objects**

**Learning**

**Education**





# Moore's Law





**Low-cost networks and computing  
Free and open source software  
=  
Low cost of innovation**





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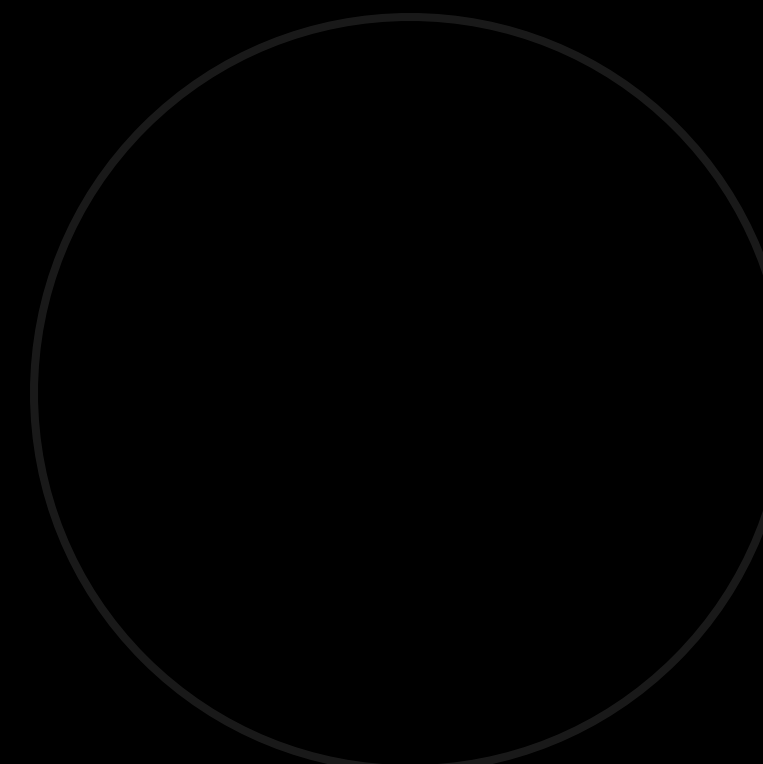
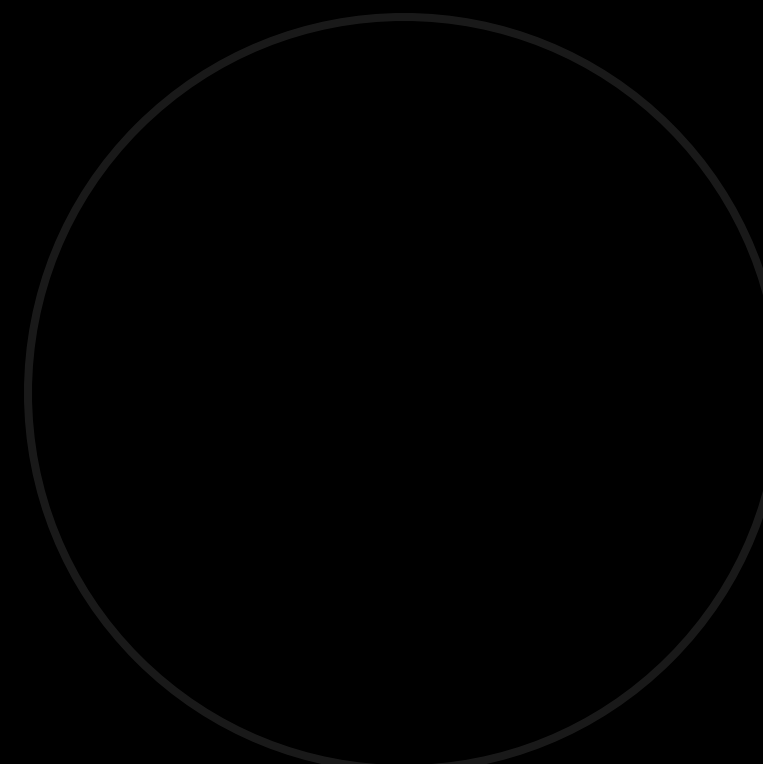




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**Pull**

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**Push**



**March 11, 2011**



# Experience



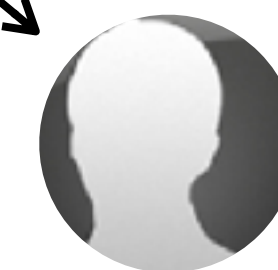
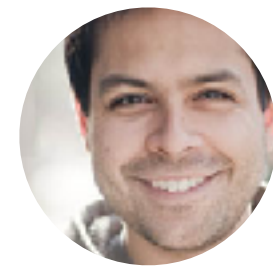
# DIY



KICKSTARTER



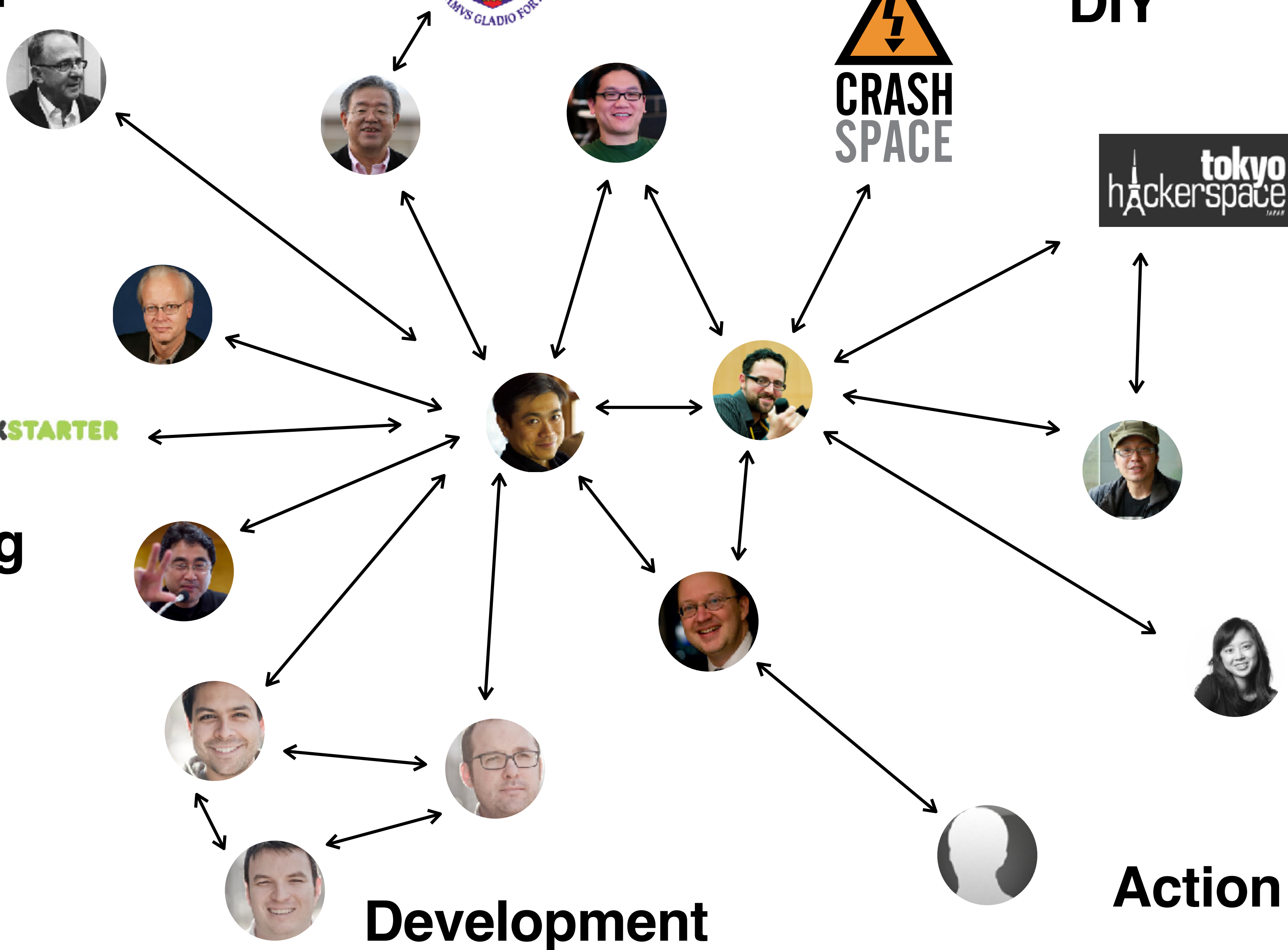
# Funding



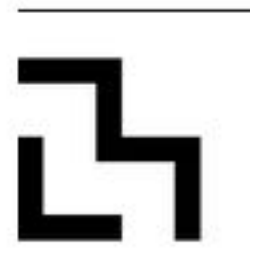
# Action



# Development











“bGeigie”

Mobile radiation sensing device



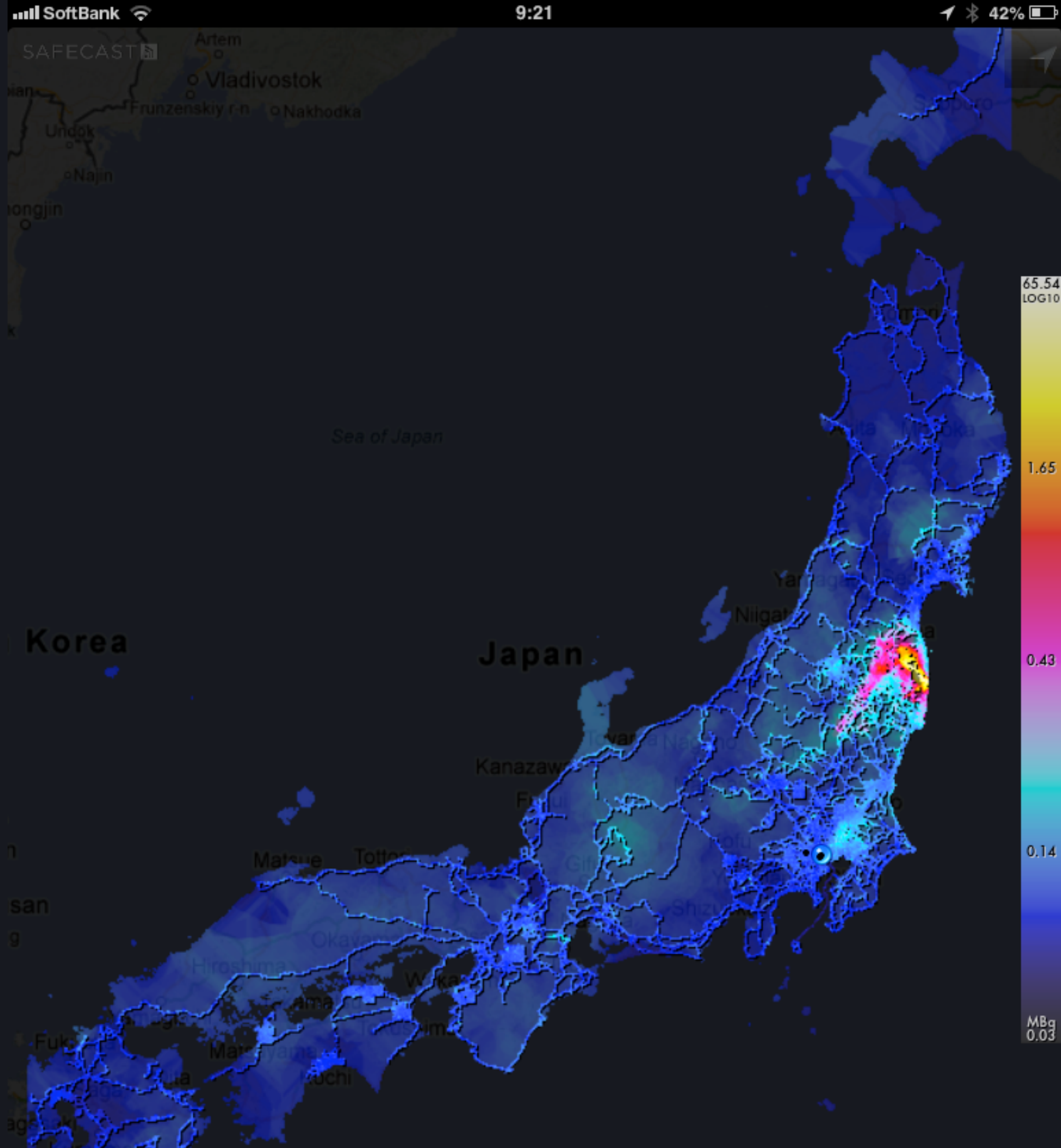
Joichi Ito



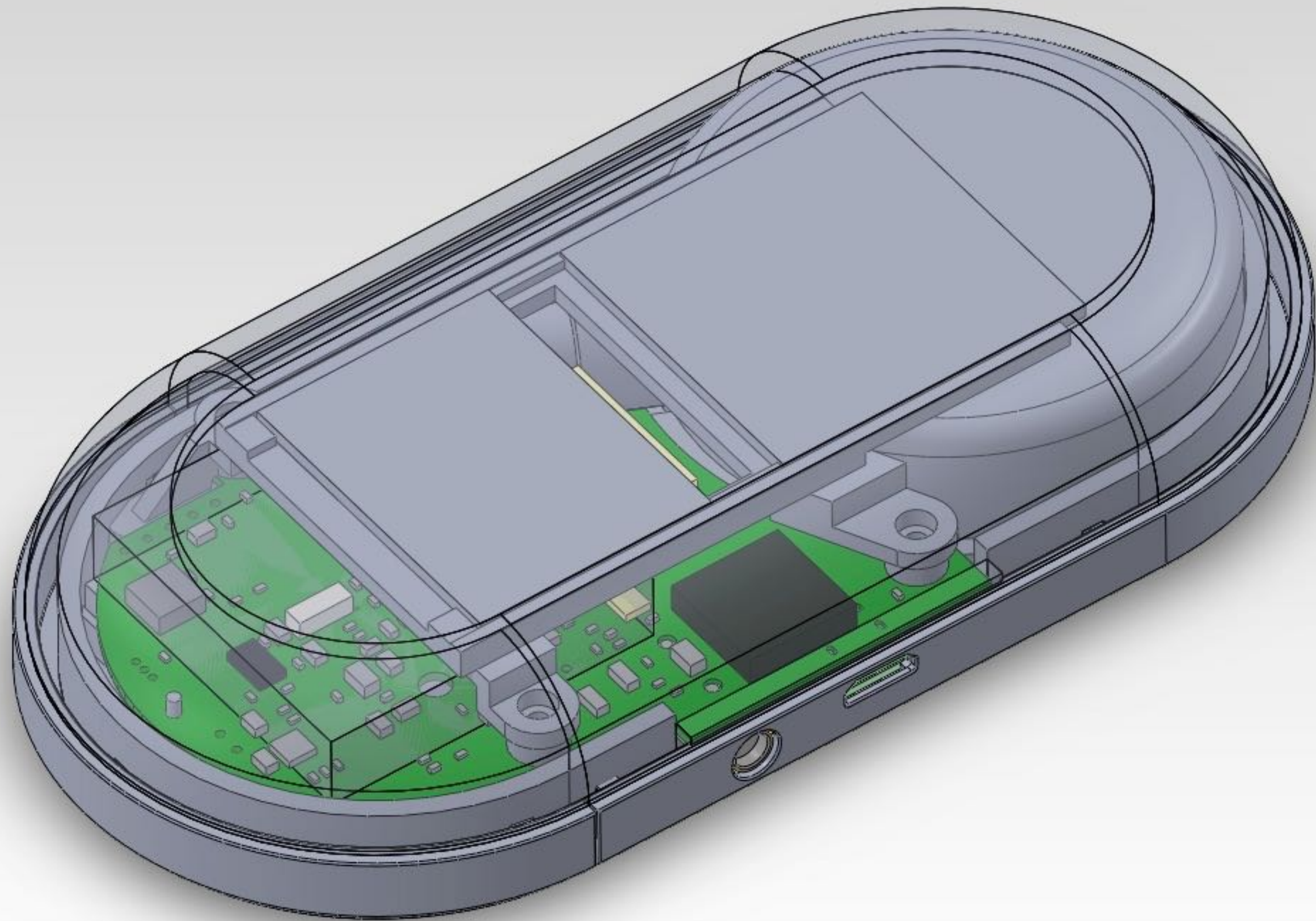




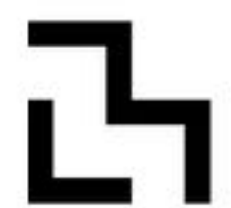
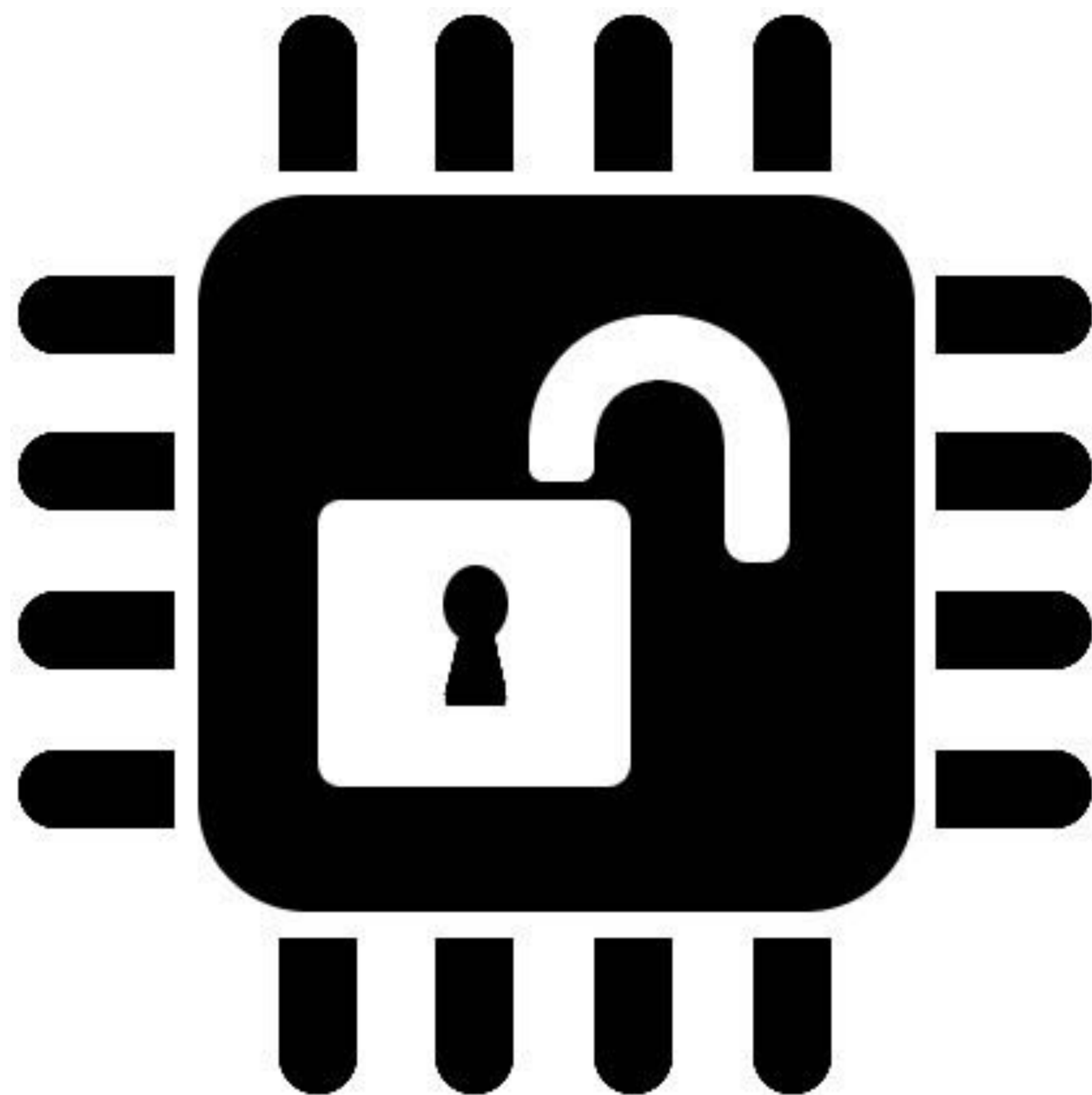






















**Bio is the new Digital**

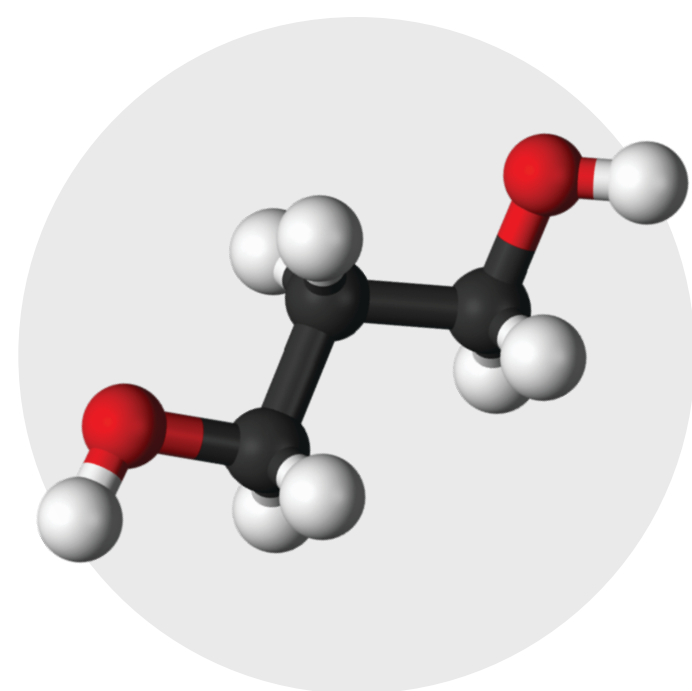




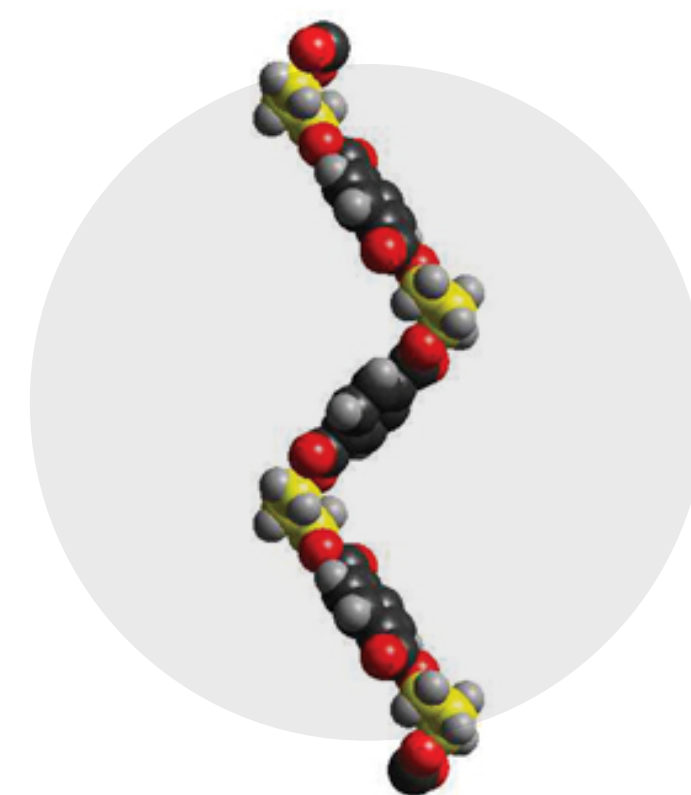
V



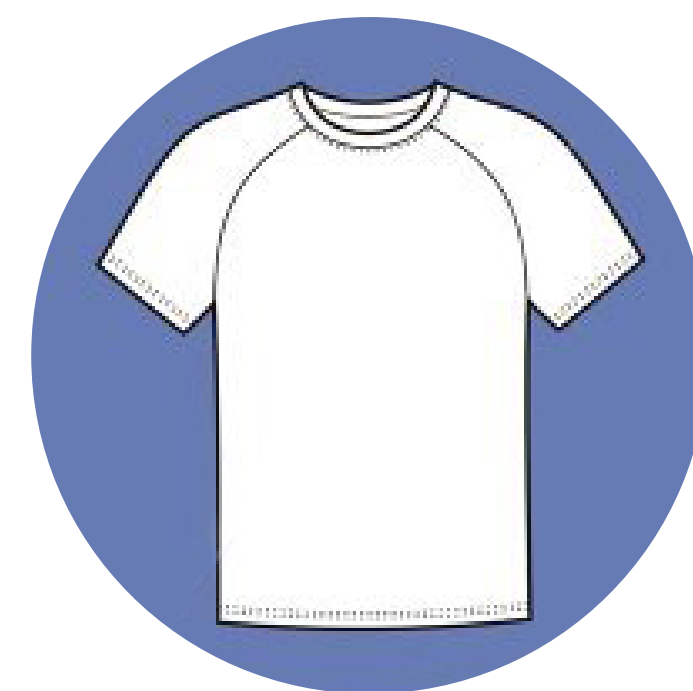
V



V

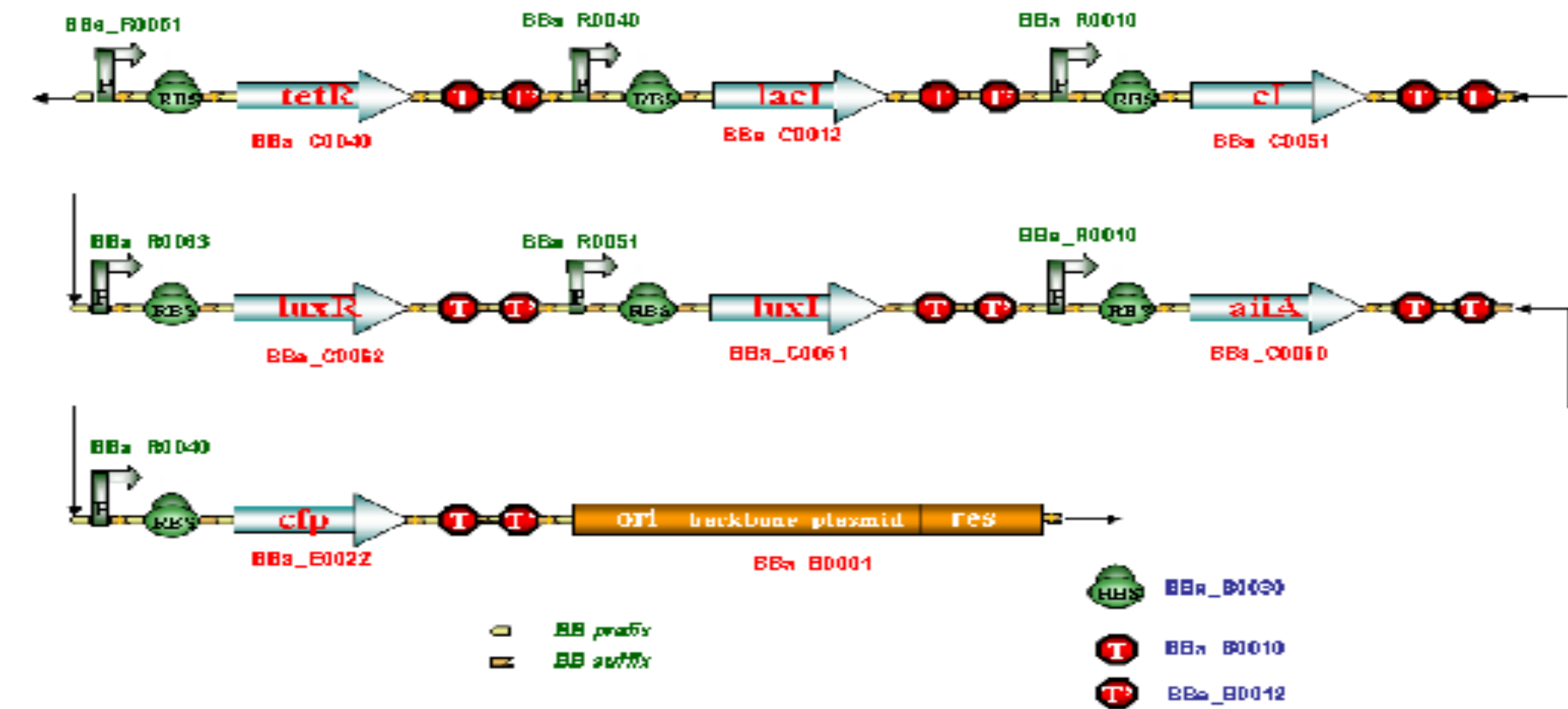


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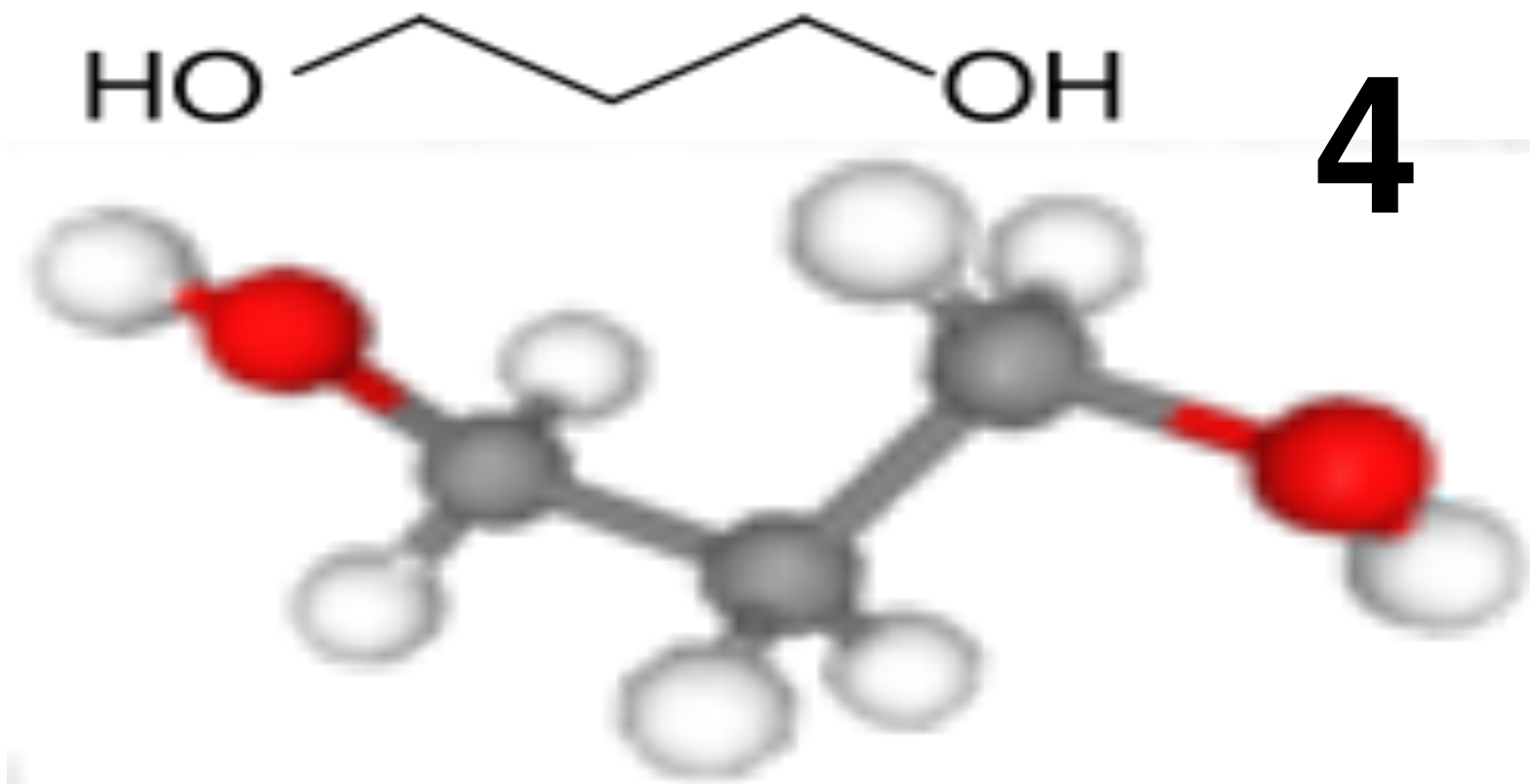


**Sorona®**

# Synthetic Biology

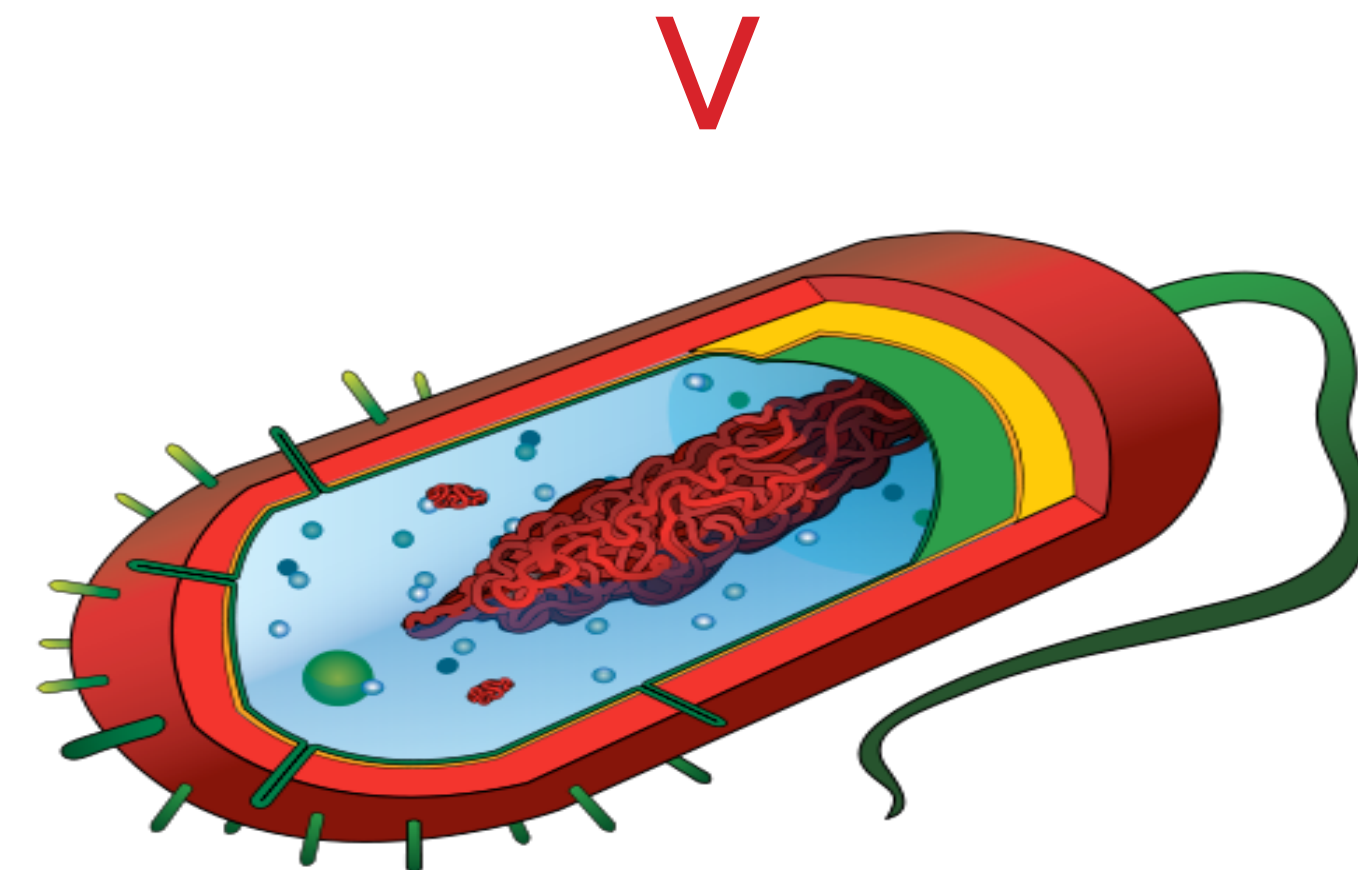


2



4

To make high value products (biofuels, chemicals, pharmaceuticals)



3

to program cells to become cellular factories, sensors...















# International Genetically Engineered Machines Competition (iGEM)





# Crypto Currencies



# Extended Intelligence









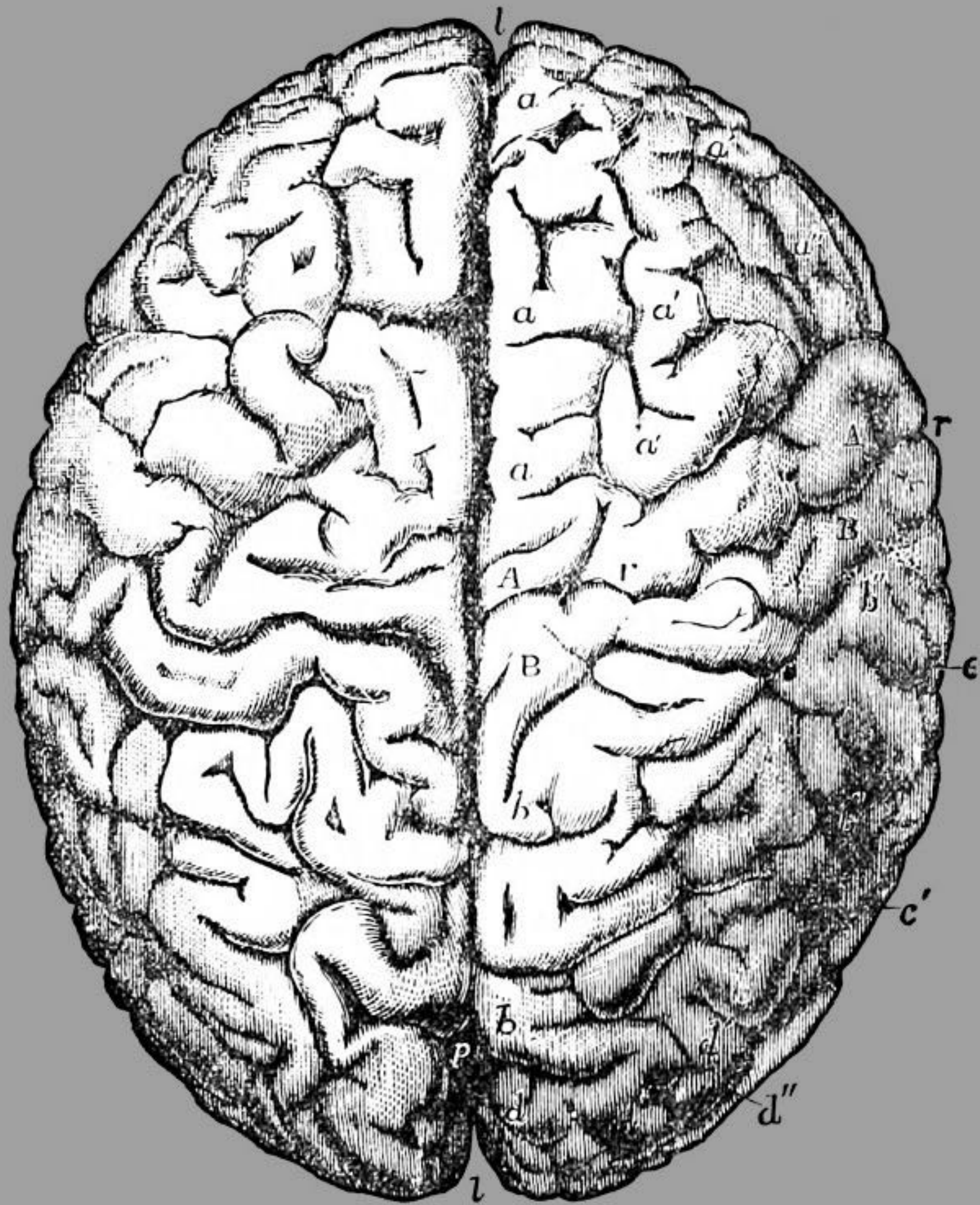
**Learning**

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**Education**













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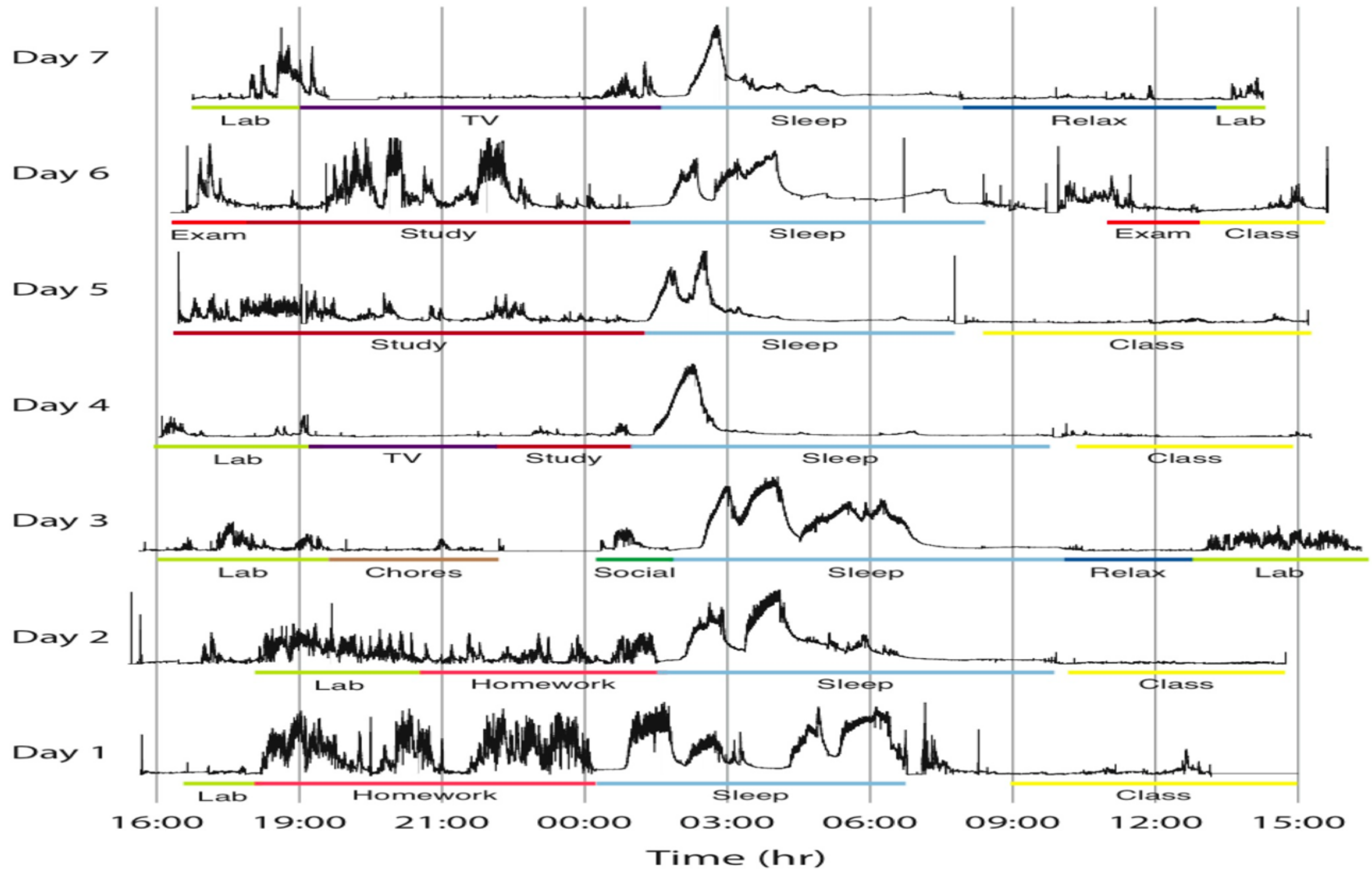










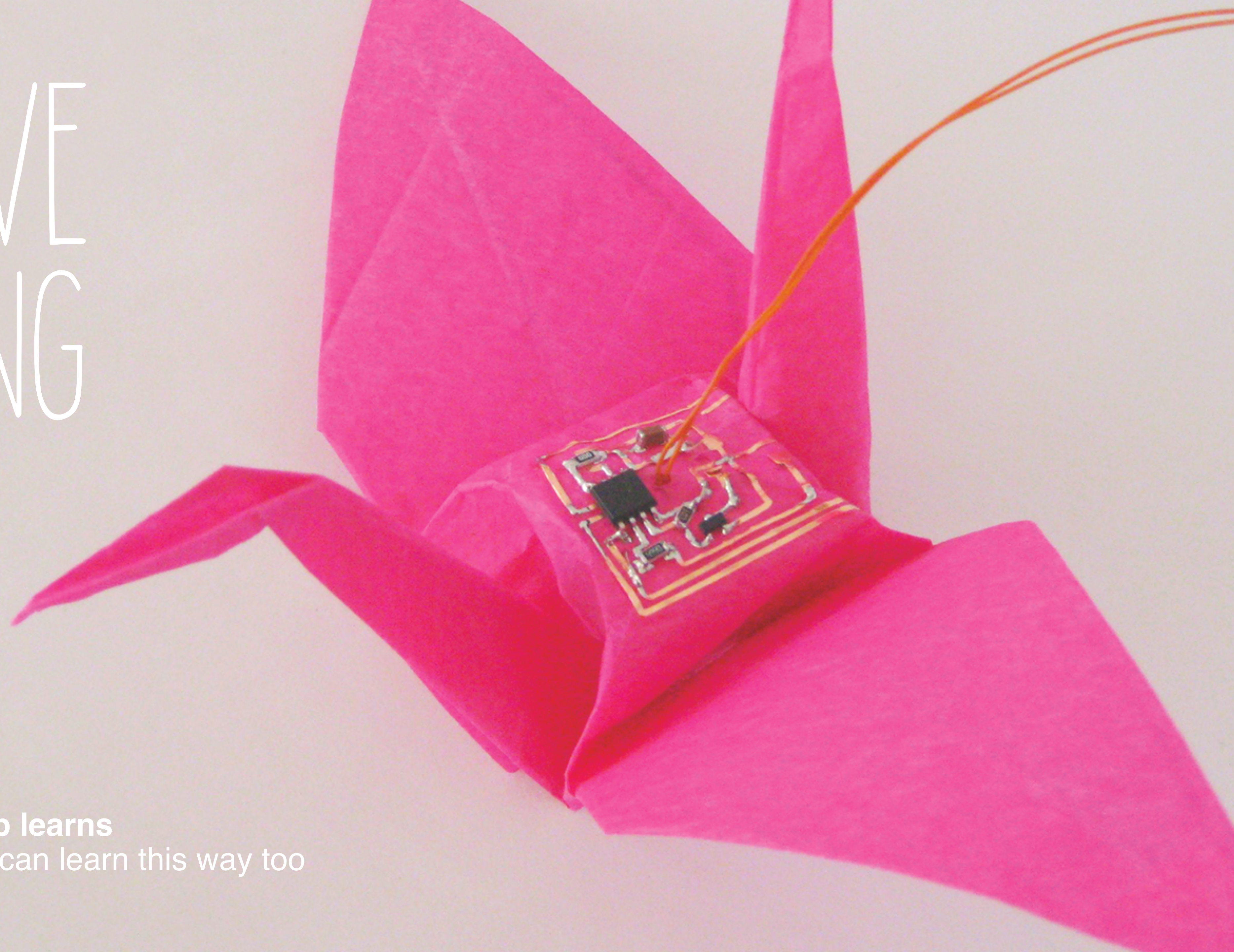




# CREATIVE LEARNING

**Projects**  
**Peers**  
**Passion**  
**Play**

How the MIT Media Lab learns  
And how everyone else can learn this way too





# The principles

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**Push**

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