

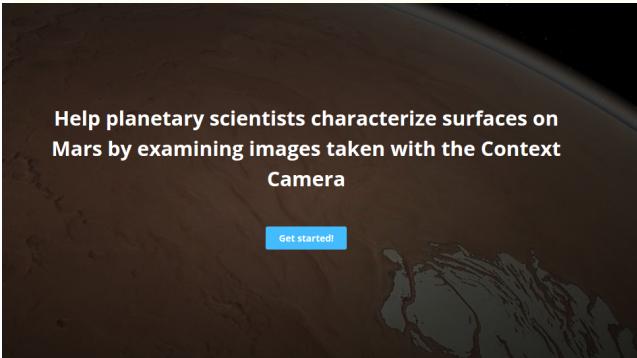
BioStrike - DDSS

OpenSource Double Diffusion Sandwich System
For Open Antibiotic Discovery

Gamification of Citizen Science



ga·mi·fi·ca·tion [gay-muh-fi-kay-shuhn]
integrating game dynamics into your site,
service, community, content or campaign,
in order to drive participation.
(see Bunchball)



KHANACADEMY

A screenshot of the Galaxy Zoo website. The top navigation bar includes links like "Galaxy Zoo", "Home", "How To Help", "About", "Forum", "Press", "Blog", "Links", "Contact", "Logout", and "Mobile". On the left, there's a sidebar with "Galaxy Totals", "Galaxy Analysis", "Galaxy Zoo - Thank You", and "Show My Galaxy". The main content area shows a large, spiral galaxy with the text "Galaxy Zoo: GALEX 2872838707071712". Below it, there's a section titled "Galaxy Analysis" with instructions and three smaller thumbnail images: "Spiral Galaxy", "Elliptical Galaxy", and "Other Galaxy". At the bottom, there's a note about "Since Grid Overlay on the next image".

New antibiotics from your backyard?



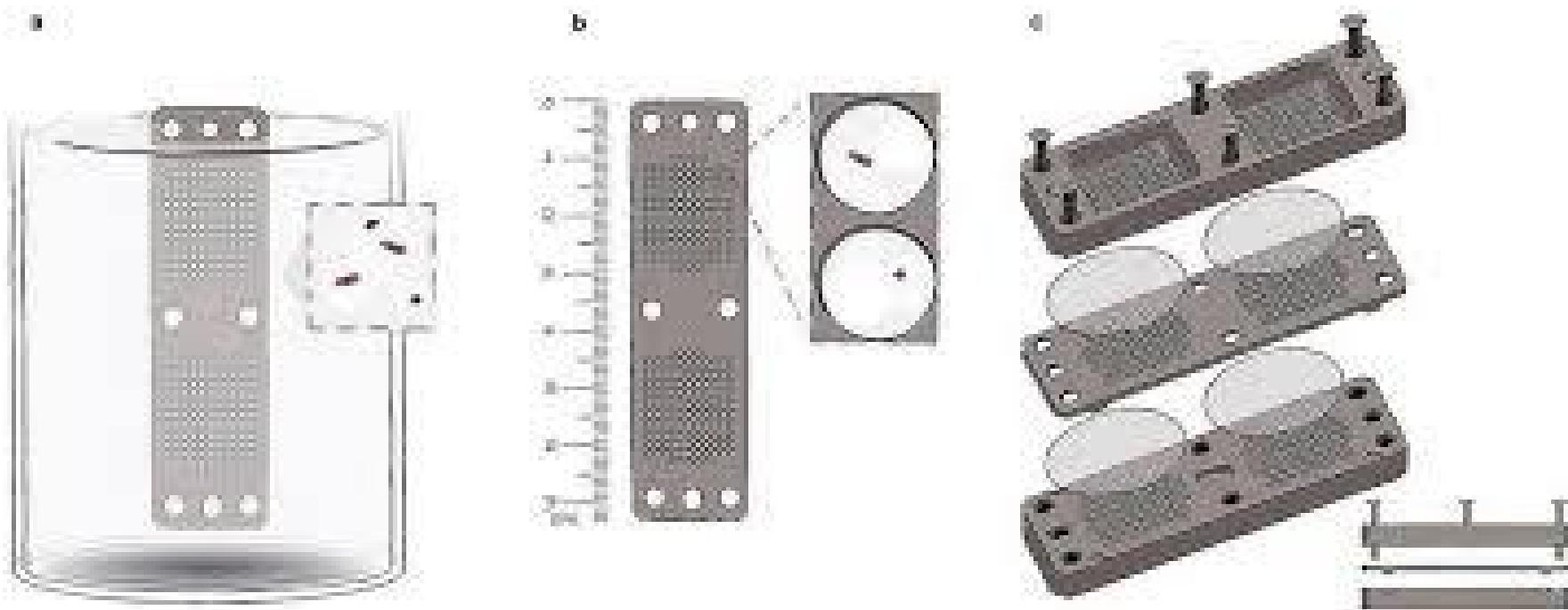
BioStrike Project



If you can't beat them...



Symulating microbe's natural environment

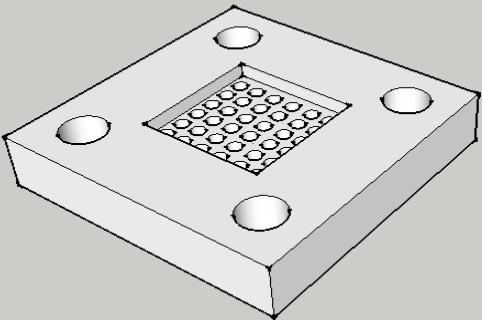


Symulating microbe's natural environment

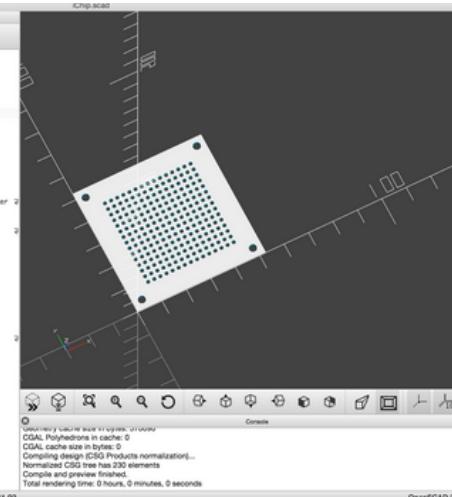


OpenSource DDSS

In a FabLab you can make (almost) anything..



```
Editor  
File Edit View Insert Tools Options Help  
STL  
iChip.scad  
1 holes = 15;  
2 plates = 15;  
3  
4 layers = 3;  
5  
6 holeDiameter = 1.5; //mm  
7 holePadding = .4;  
8  
9 boltDiameter = 3;  
10 boltPadding = .2;  
11 boltInnerMargin = .2;  
12  
13 materialThickness = 3;  
14  
15  
16 holeDiameter = (holes * (holePadding+holeDiameter))>holePadding?holeDiameter :  
17 +(holePadding*.2)+(boltInnerMargin*.2);  
18  
19 boltHeight = (holes * (holePadding+holeDiameter))>holePadding?  
19+holeDiameter*.2+holePadding*.2+boltInnerMargin*.2;  
20  
21  
22 module holeGrid(dimensions) {  
23   for(i = [0:(holes-1)]) {  
24     translate([i*dimensions,0,0]) hole((holeDiameter, holePadding),.4,.4);  
25   }  
26   if(dimensions == 30) {  
27     translate([0,0,0]) hole((holeDiameter, holePadding),.4,.4);  
28     translate([0,0,0]) cylinder(diameter=materialThickness, height=holeDiameter/2,  
29       holeDiameter/2, $fn=100);  
30   }  
31   else if(dimensions == 20) {  
32     circle(holeDiameter/2, $fn=100);  
33   }  
34 }  
35  
36 module boltCircle(dimensions) {  
37   if(dimensions == 30) {  
38     translate([0,0,-0.5])
```



Documentation in progress...

<https://github.com/dp50mm/iChip>

<https://drive.google.com/drive/folders/0BzADlb9rSQQ3WTI4Z0pWOGl2bzg>

<http://waag.org/en/project/biostrike>

<https://brmlab.cz/project/biolab/biostrike>

<https://github.com/Bio-Commons/Bio-Commons/wiki/BioCommons-White-Paper#Scenarios>