

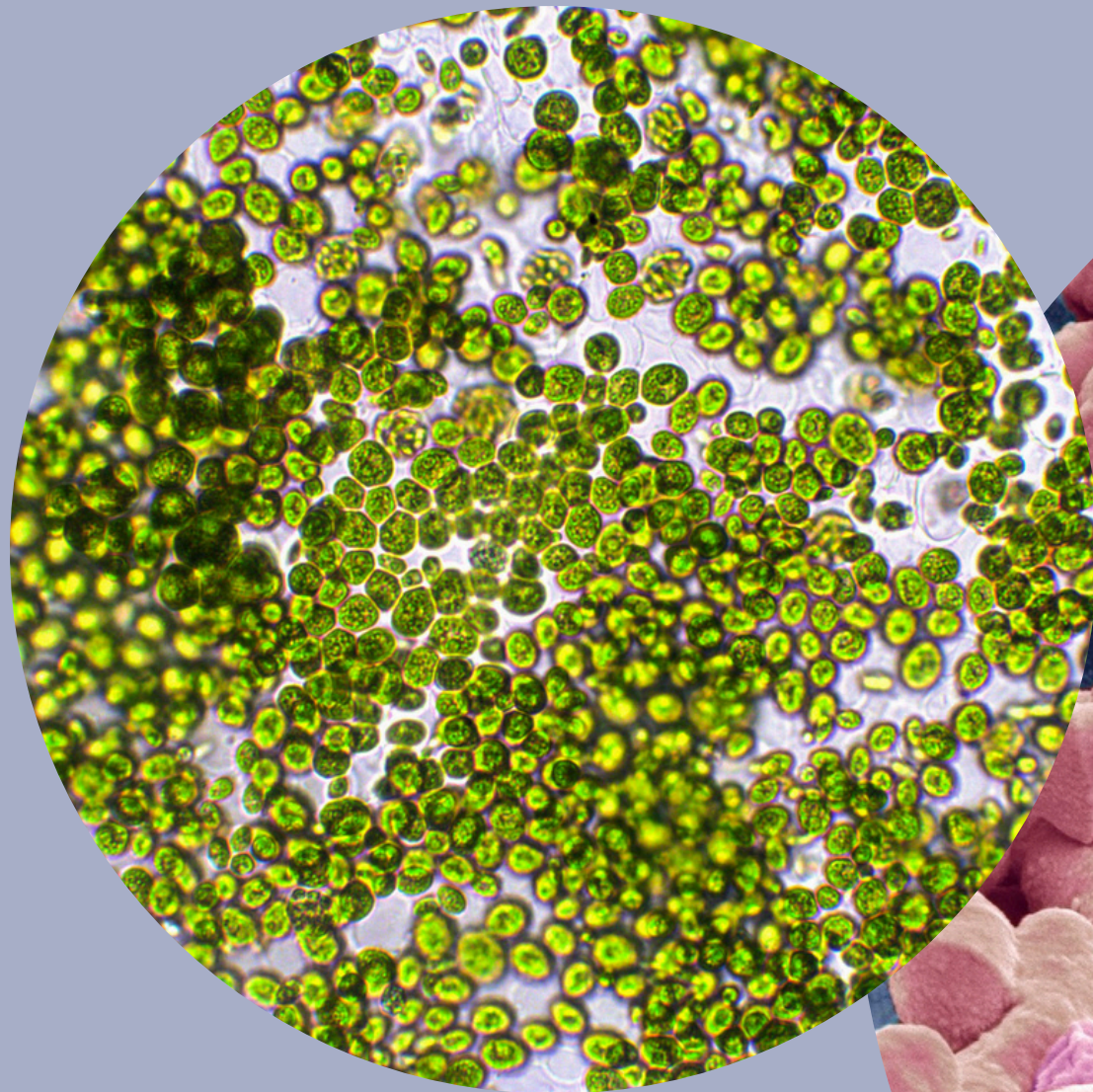
A vibrant, multi-colored pet bed with a dog's head on the right side. The bed features a rainbow-like color palette including shades of purple, blue, green, yellow, and orange. The dog's head is black and white, looking towards the left. The overall scene is bright and colorful.

# Criando Fungos e Bactérias

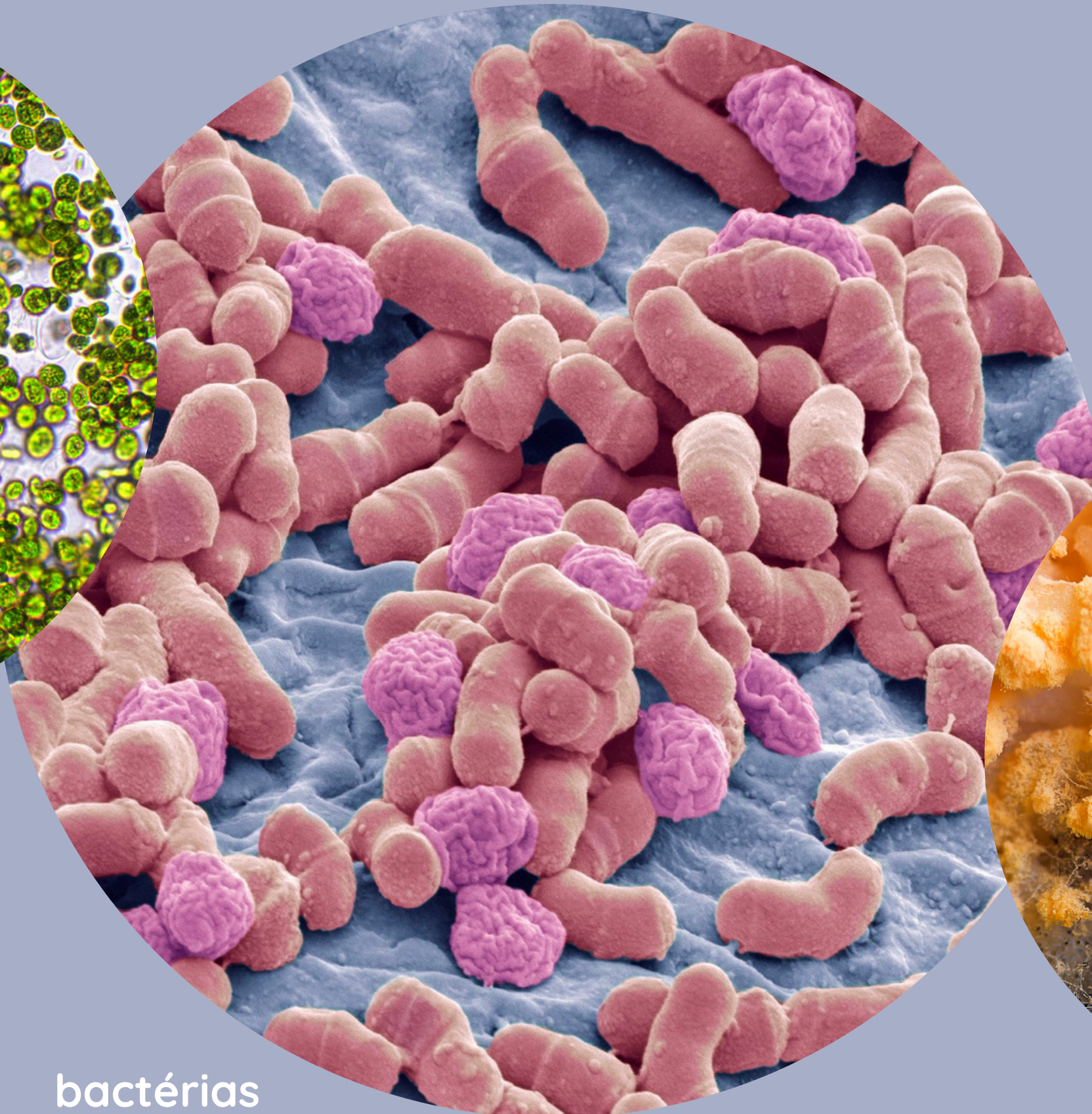
Foto: Dasha Plesen



# O que são microrganismos? Quais você conhece?



algas verdes



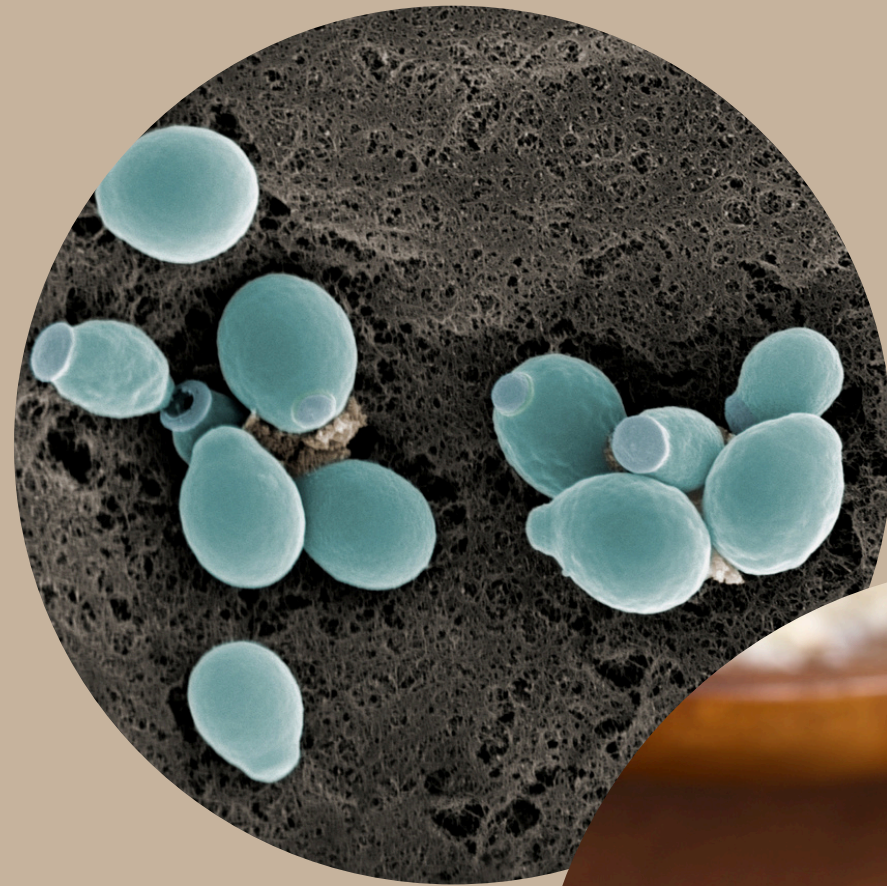
bactérias



fungos



# Você já comeu... pão?



**Saccharomyces  
cerevisiae**

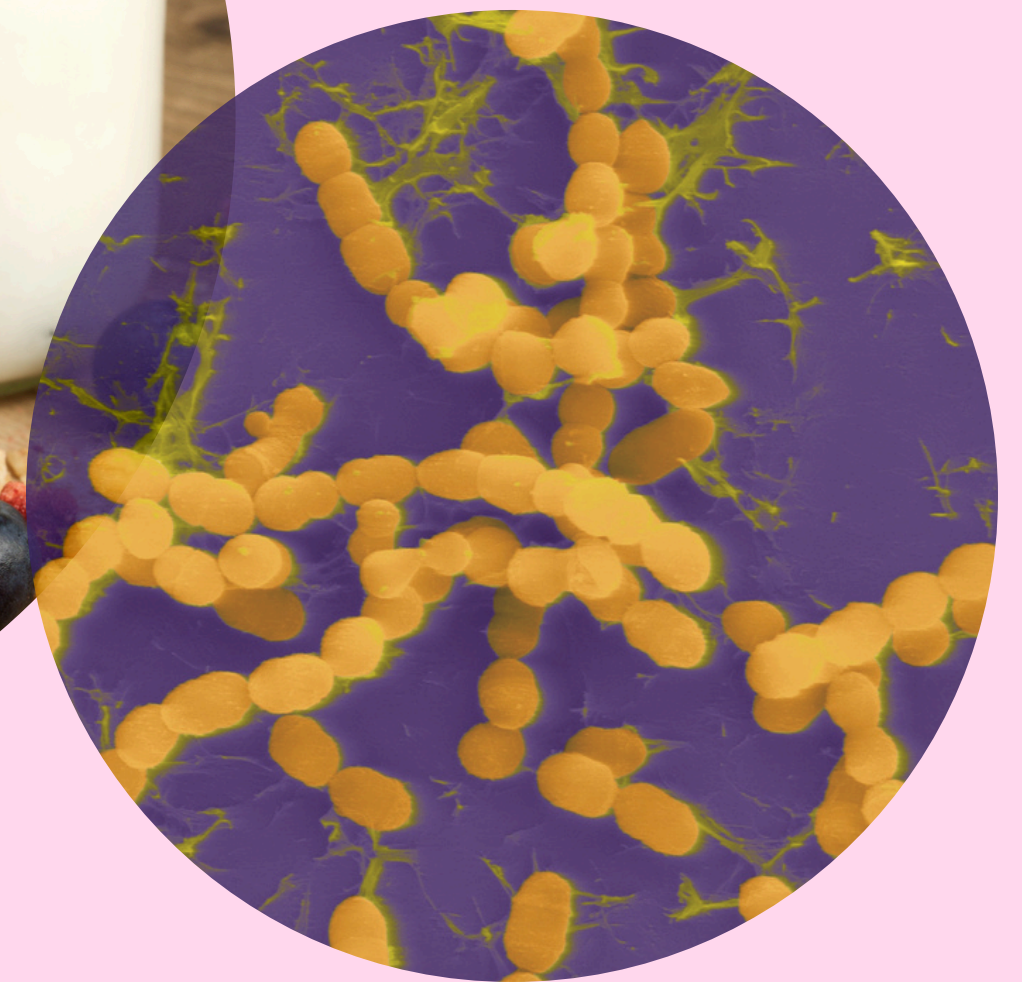




# Você já comeu... iogurte?



Lactobacillus bulgaricus



Streptococcus thermophilus



# Você já tomou... kombucha?



Scoby: Colônia  
Simbiótica de Bactérias e  
Leveduras





# E na gente?

Ao todo, existem dez vezes mais micróbios no seu corpo do que células humanas. Juntos, eles representam cerca de 1,5 kg do seu peso corporal.

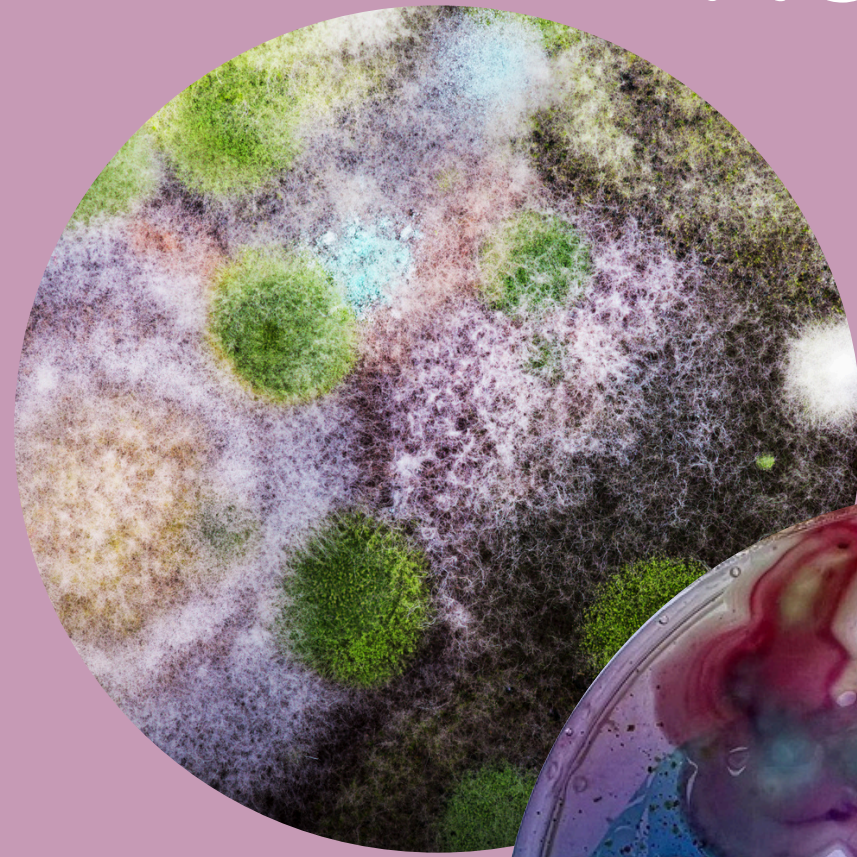
Sua boca é cheia de microorganismos e cerca de 700 espécies de bactérias vivem lá. A maioria deles é inofensiva e mantém a boca saudável.

A pele forma uma barreira importante contra microorganismos do mundo exterior. No total, você tem cerca de 1,8 m<sup>2</sup> de pele e mais de 1,5 trilhão de bactérias vivem nela.

A microbiota intestinal consiste principalmente de bactérias, cerca de 1.200 espécies diferentes.



# Vamos conhecer as formas que os organismos do Reino Fungi podem ter?



Bolor ou mofo



Cogumelo

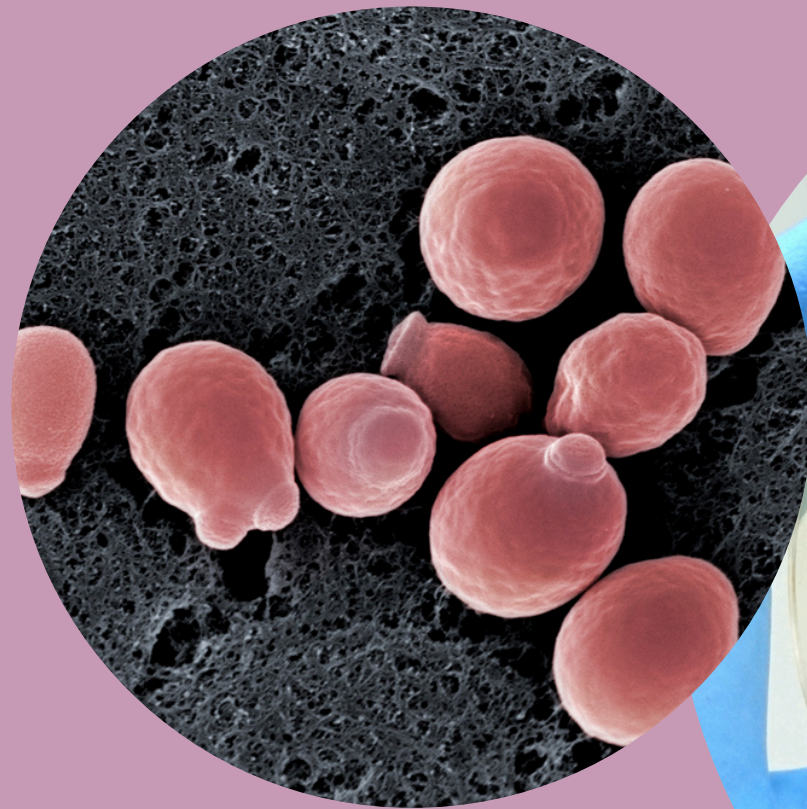
Orelha-de-pau





# Vamos conhecer as formas que os organismos do Reino Fungi podem ter?

levedura



Aspecto da colônia de levedura



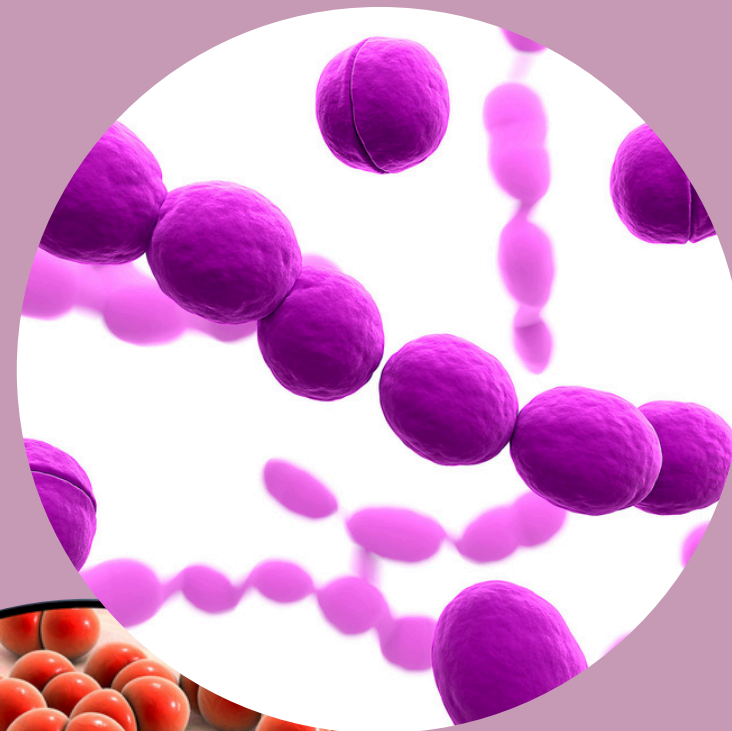
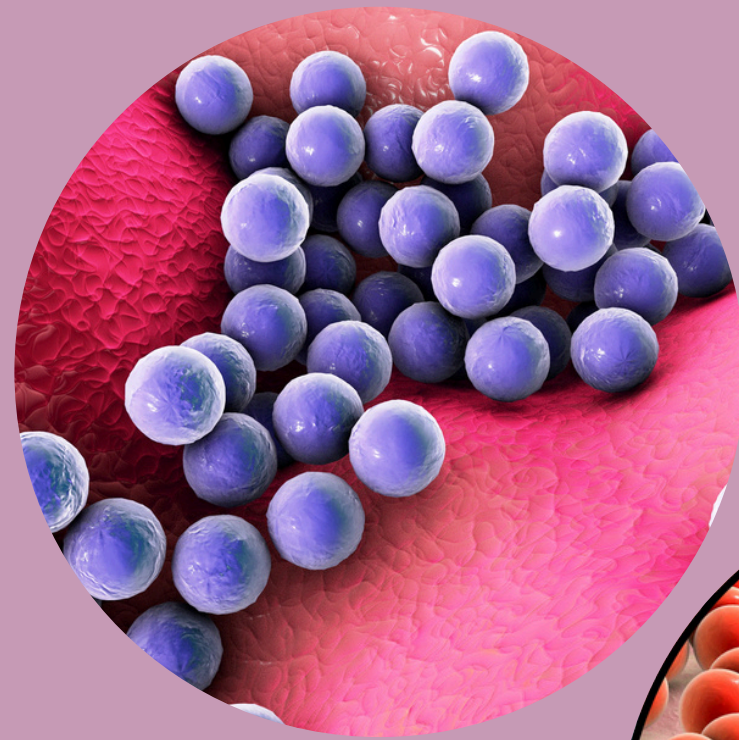
Texturas de bolor quando cultivados na placa de Petri





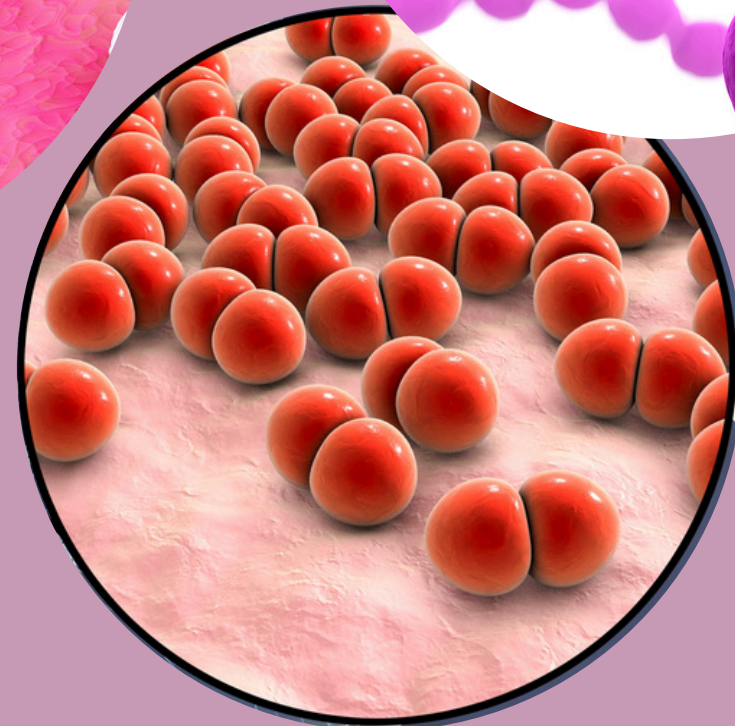
# E quais são os possíveis formatos das bactérias?

cocos

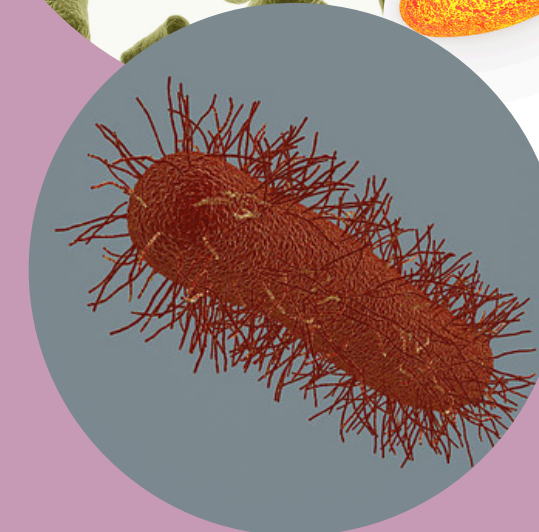


streptococos

diplococos



Bacilos



Bacilo ciliado



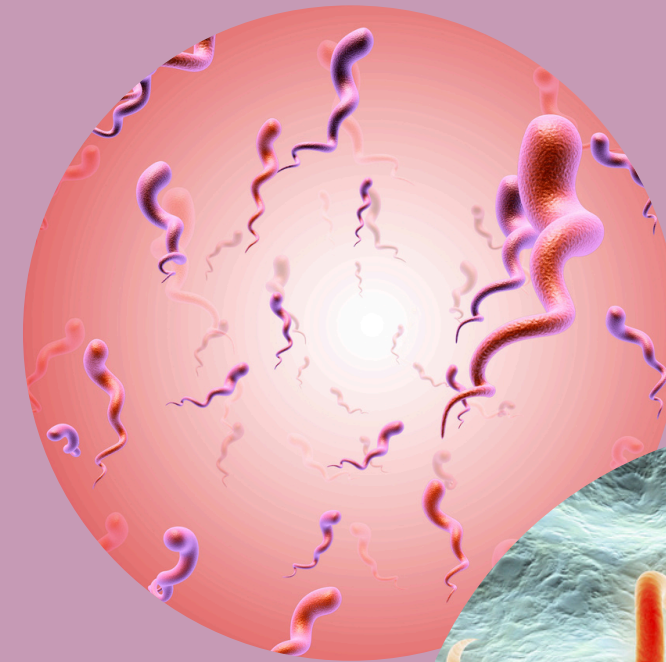
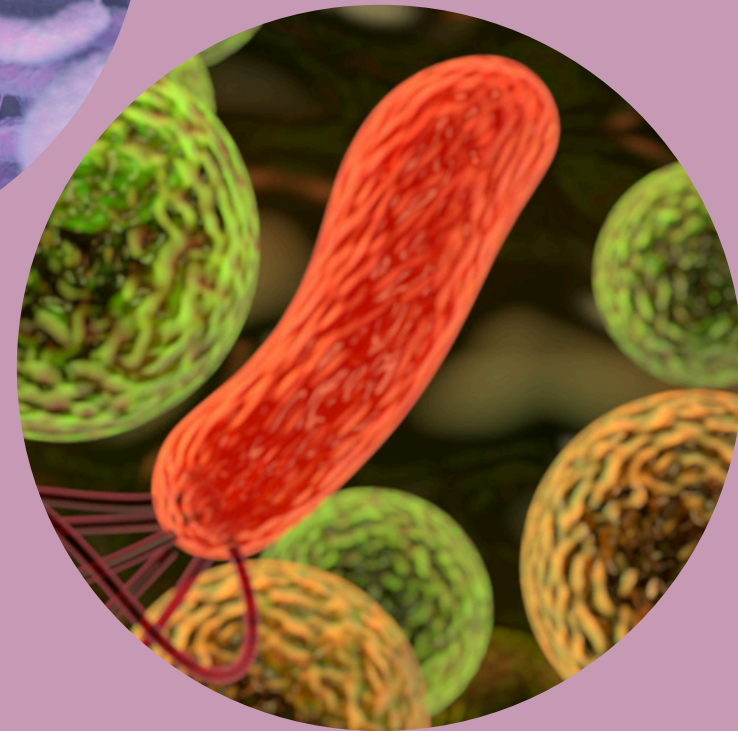
Bacilo flagelado



# E quais são os possíveis formatos das bactérias?



Vibriões



Espiroquetas





A detailed scanning electron micrograph (SEM) showing a diverse population of bacteria. The image features various shapes and sizes, including long, thin rods, thick, curved rods, and small, spherical cocci. The colors are vibrant, with shades of blue, purple, red, and brown, highlighting the intricate surface structures and textures of the microbial cells. A semi-transparent pink box is overlaid on the center of the image, containing three questions in white text.

Qual a importância dos microrganismos possuírem diferentes formatos?

Por que existem formas distintas de bactérias?

Isso confere alguma vantagem?



# É possível criar arte com microrganismos?

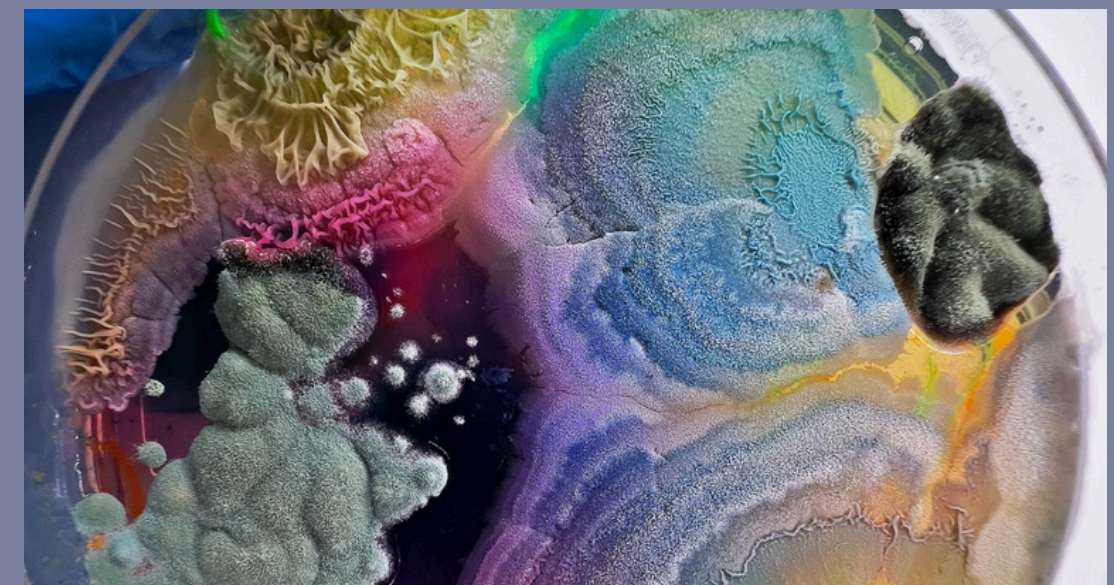
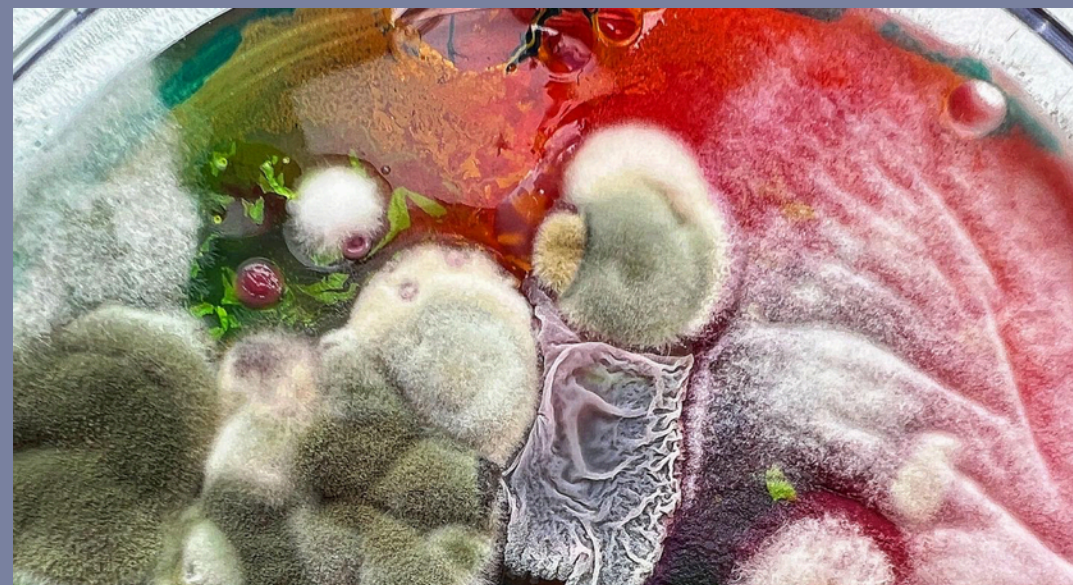
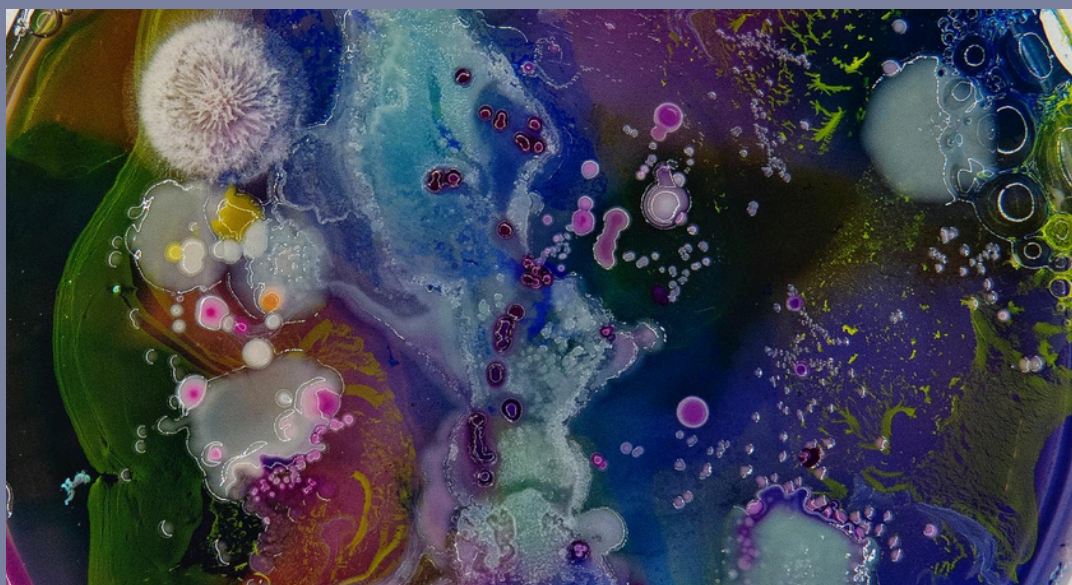
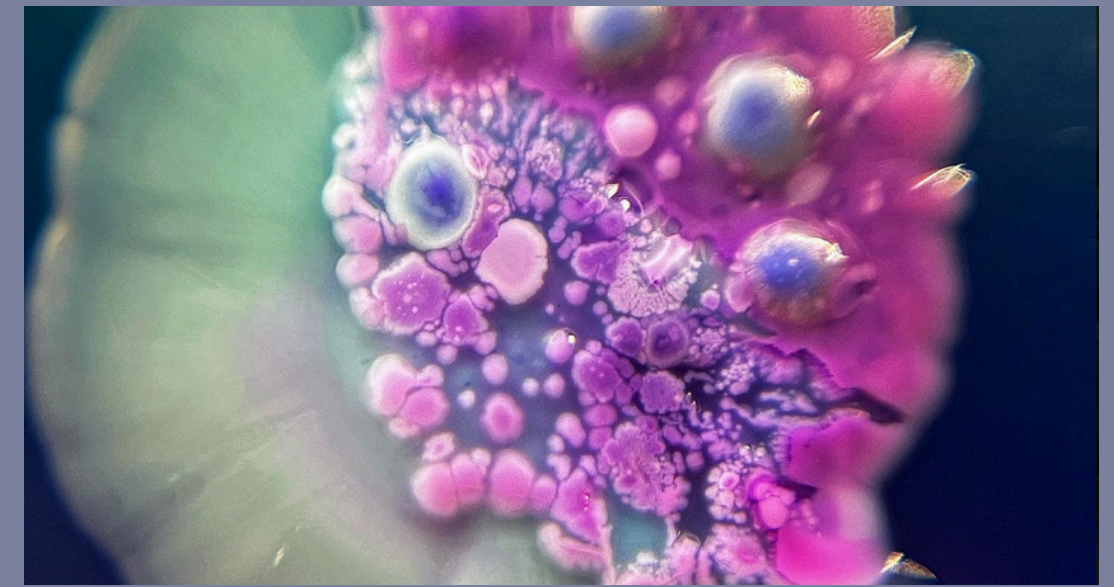
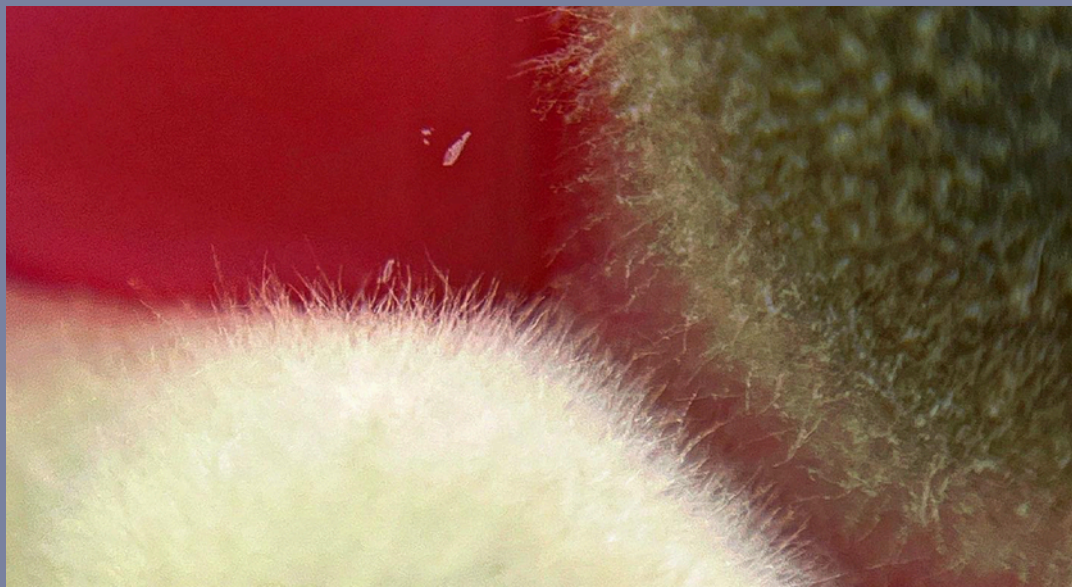


Foto: Dasha Plesen



# Agar Art





# Agora é a sua vez!

Vamos criar colônias microbianas sensoriais! Referência:  
<https://www.artroomprojects.com/bacteria-petri-dishes-1>

