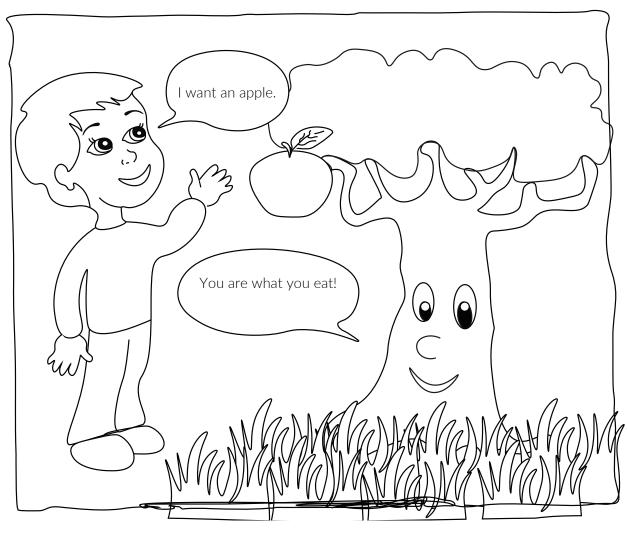
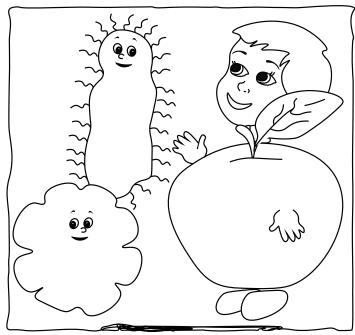


Microbes are everywhere in the food environment and often beneficial for us and the habitat they live in.

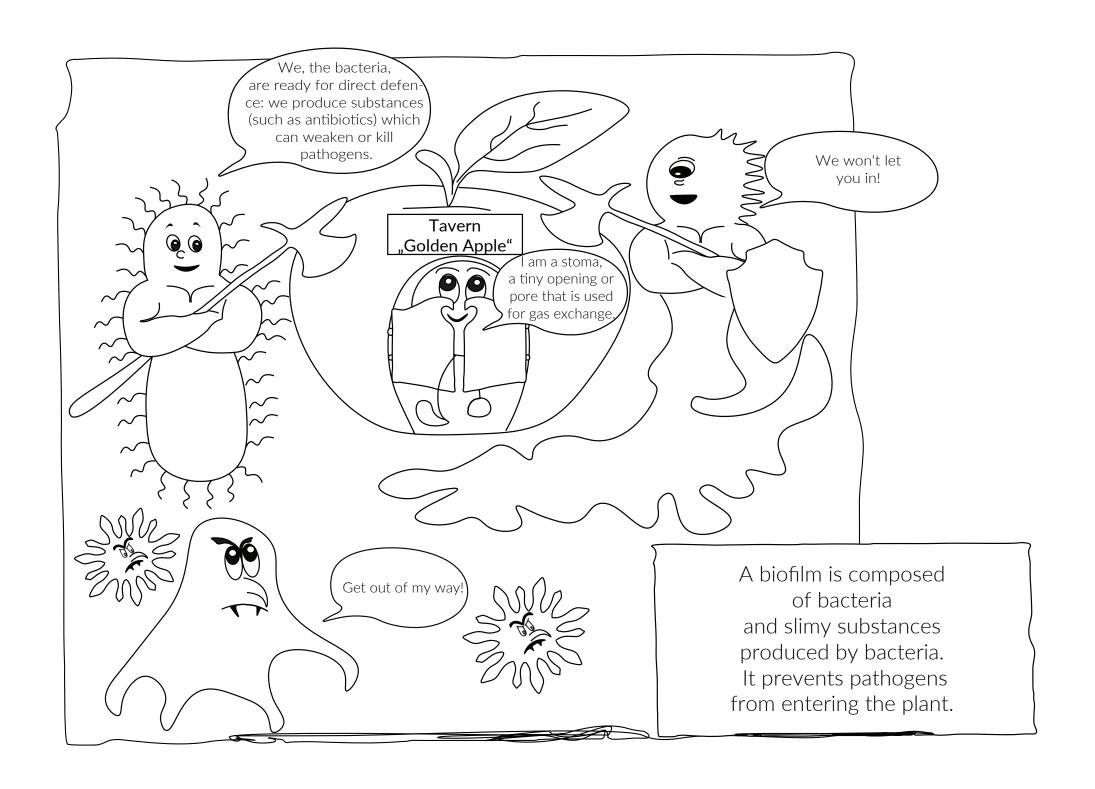
Discover the magical world of microbes with us in this colouring booklet and find out how helpful they can be!

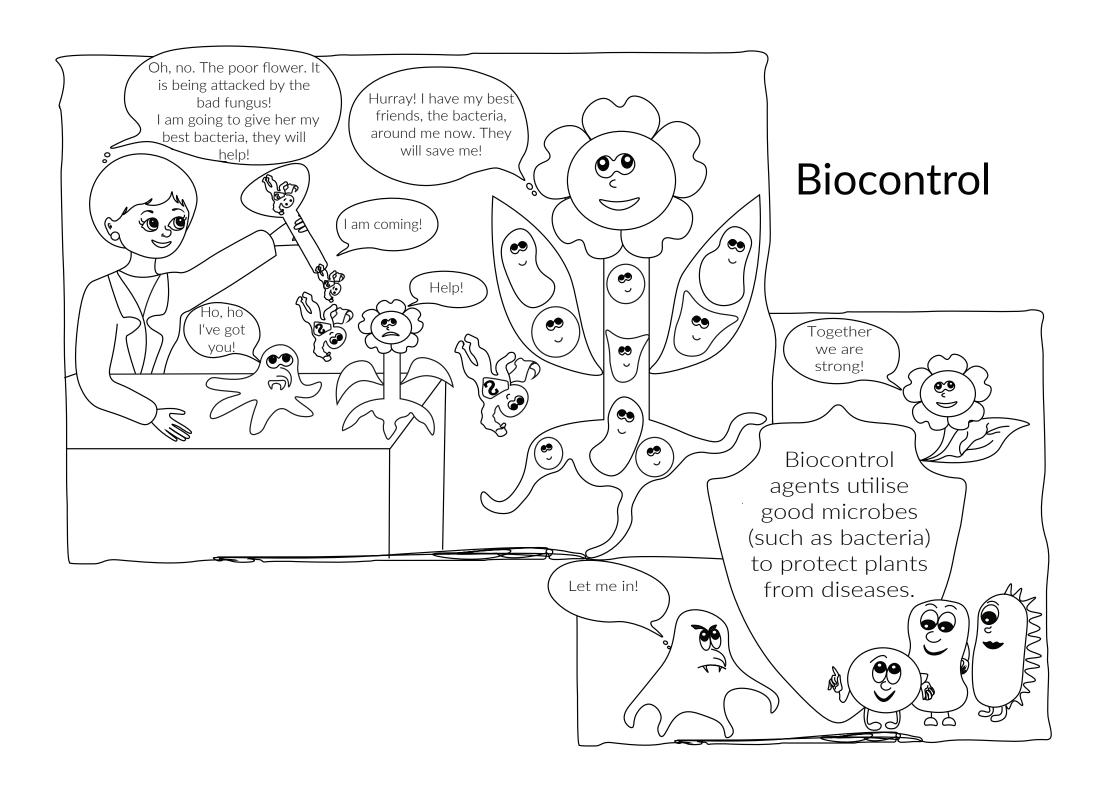
My apple is alive

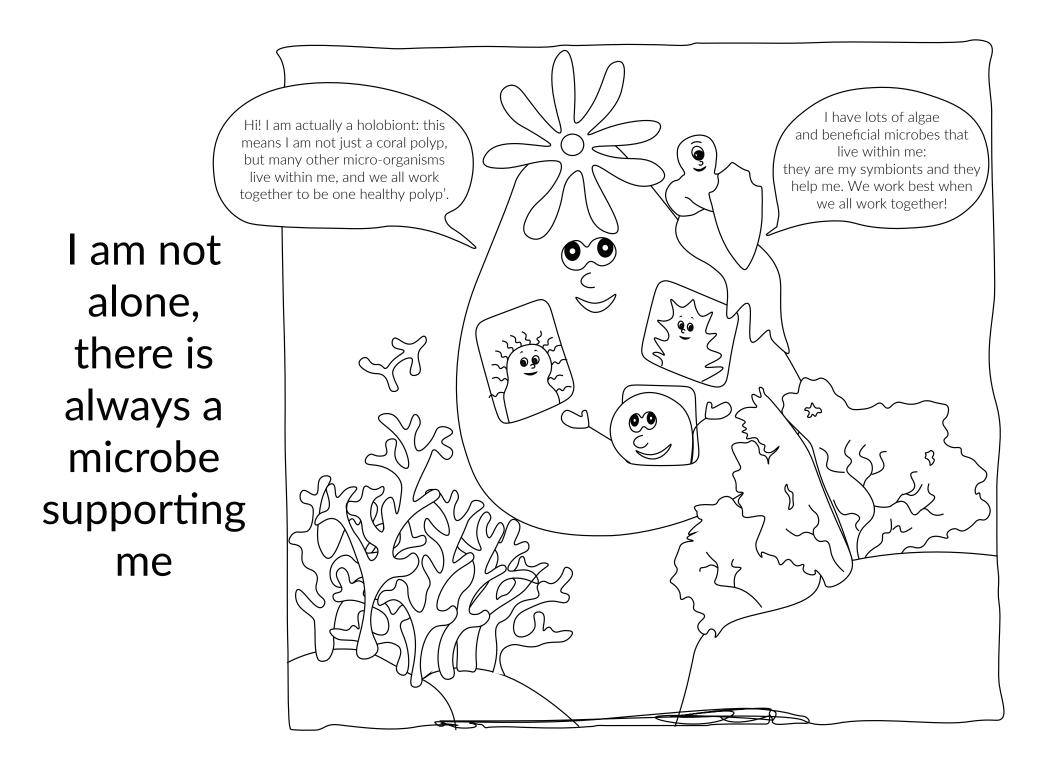


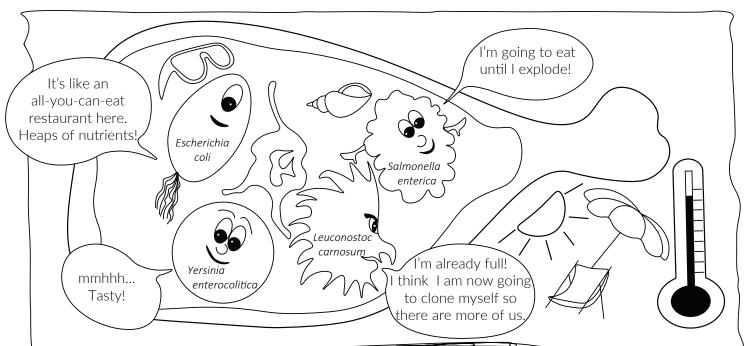


When we eat fruits and vegetables, we consume their beneficial microbes too.
By having a diversity of microbes in our bodies we strengthen our immune system, improving our ability to combat diseases.



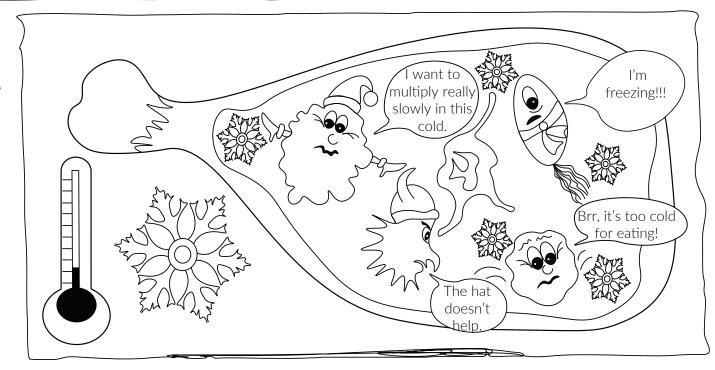






Temperature is key

Microbes that utilise nutrients in meat are the cause of meat spoilage. Storage of meat in the fridge helps slowing down the growth of these microbes and meat spoilage.



Healthy diet, happy gut

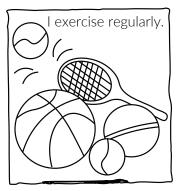


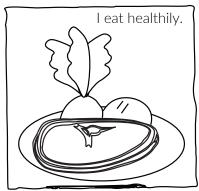
Yogurt has beneficial bacteria that helps keeping your microbiota diverse which is overall better for your health.

Soda contains a lot of sugar and we can easily over-consume sugar: our microbiota and our bodies prefer complex sugars (starches and fibres) for optimal functioning.

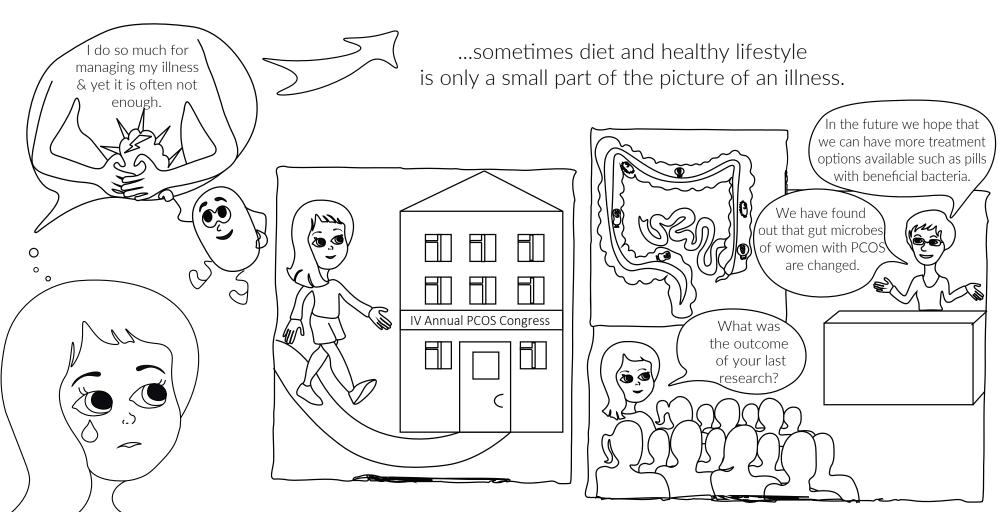


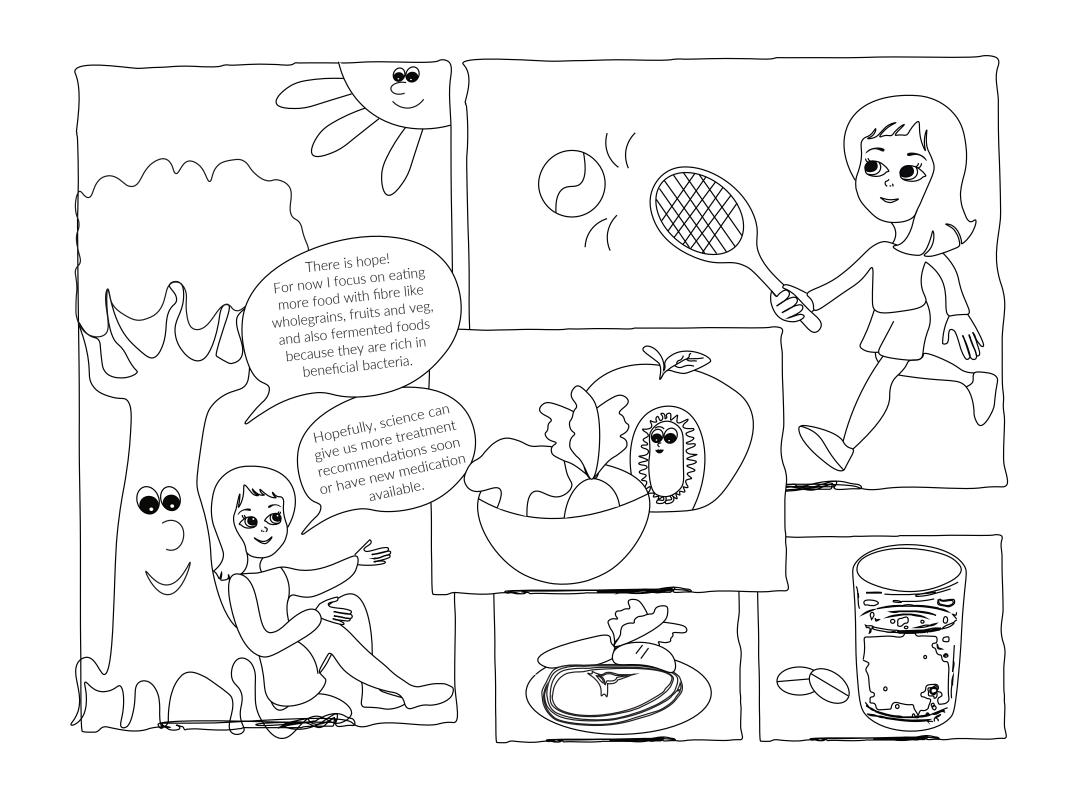
The latest news on polycystic ovary syndrome research



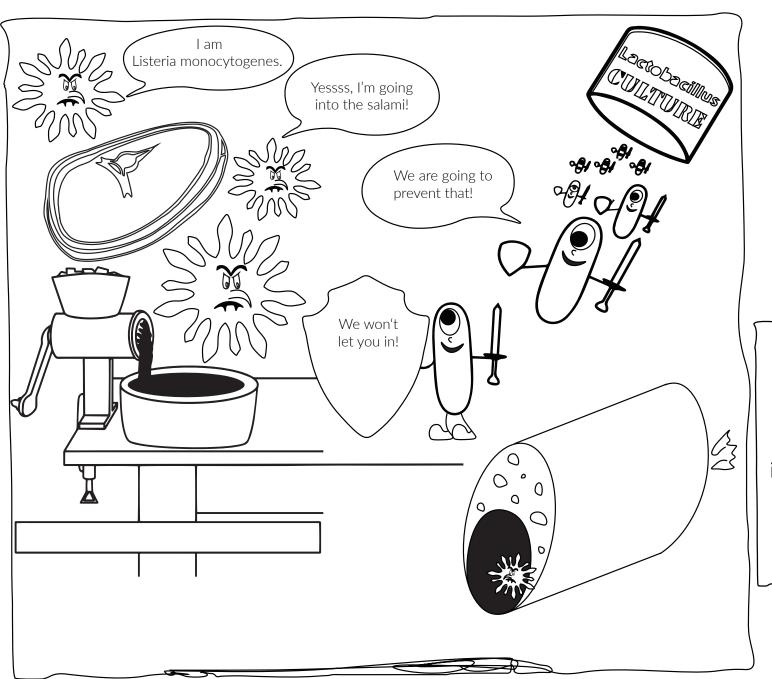








Muuuuuh... The impact of Louis Pasteur Aaahhh!!! Help!!! We grow perfectly in raw milk! |Pasteurized Hi! Iam MILK . I am Lactobacillus. Campylobacter. Pasteurization Milk pasteurization kills bacteria and increases shelf life. It also protects from harmful bacteria.

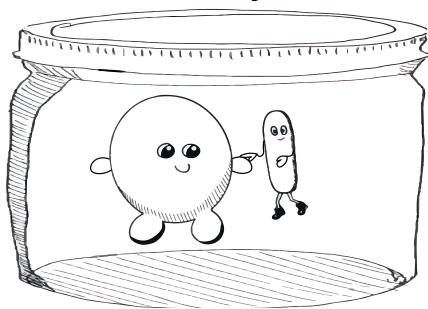


..with a little help from my friends

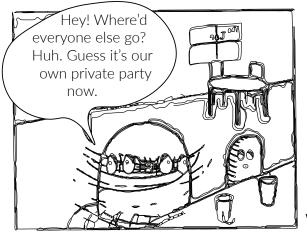
Starter cultures are necessary for the ripening of salami. They also help to inhibit the growth of pathogenic bacteria.

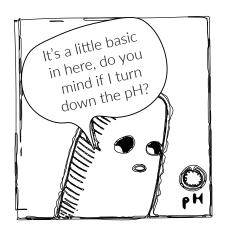


Sourdough: a yeast and a bacterium walk into a jar...

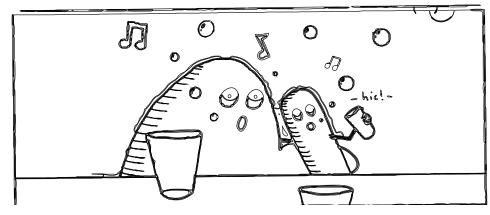


Yeast in the culture digests certain complex sugars in the flour or grain into forms that are useable by bacteria. Bacteria produce acids that prevent growth of other, less beneficial, micro-organisms.





The sourdough culture undergoes fermentation, producing alcohol and carbon dioxide, the raising agent for our breads. The acids provide the dough with its characteristics sour flavour.



MicrobiomeSupport is an EU-funded project which:

- Helps researchers to understand each other better when they talk about the microbiome.
- Brings scientists together to agree on what methods to use for their experiments.
- Informs politicians on policies that are required or need to be improved to use microbes for food production, safety and storage as well as human health.
- Advises on where more microbiology research is needed and where money for research can be used complementary between countries.
- Educates citizens on microbial communities and the importance of microbes in daily life.





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Contributors:

This colouring book would not have been possible without the support of:

Daria Rybakova

who designed the comic "My apple is alive".

Jason McDermott (@redpenblackpen)

who designed the comic "Sourdough: a yeast and a bacterium walk into a jar...".

Maria Pock

who designed the comic "Biocontrol".

Marta Olivares, Rebeca Liébana and Yolanda Sanz

who designed the comic "Healthy diet, happy gut".

Riya Rajeev, George Seghal Kiran and Joseph Selvin

who designed the comic "The latest news on polycystic ovary syndrome research".

Sarah Thalguter and Stefanie Urimare Wetzels

who designed the comics "Temperature is key", "The impact of Louis Pasteur" and "...with a little help from my friends".

Thangadurai Thinesh, George Seghal Kiran and Joseph Selvin

who designed the comic "I am not alone, there is always a microbe supporting me".

Maria Pock

Illustrations



