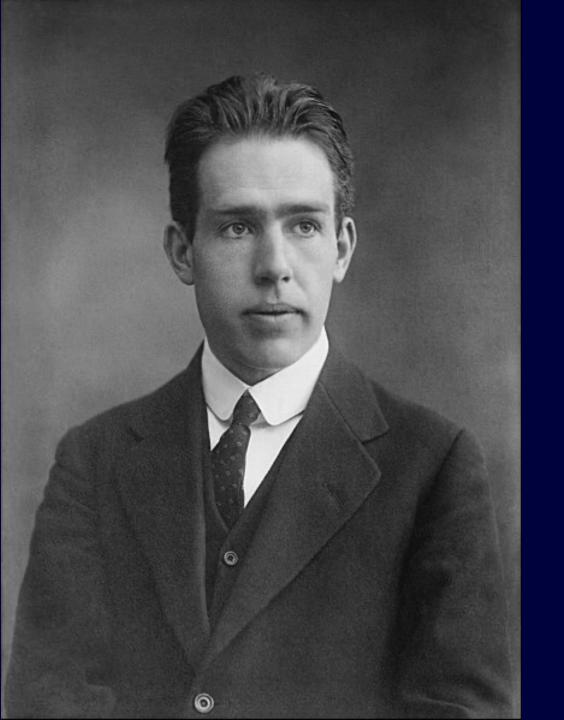
# A Microbial Future



Robin May
<a href="mailto:Robinmay9">Robinmay9</a>





Prediction is very difficult, especially about the future...



# THE NEXT GENERATION (before 2050)

# THE FINAL FRONTIER (2051 and beyond)



## MICROBIAL MEDICINES



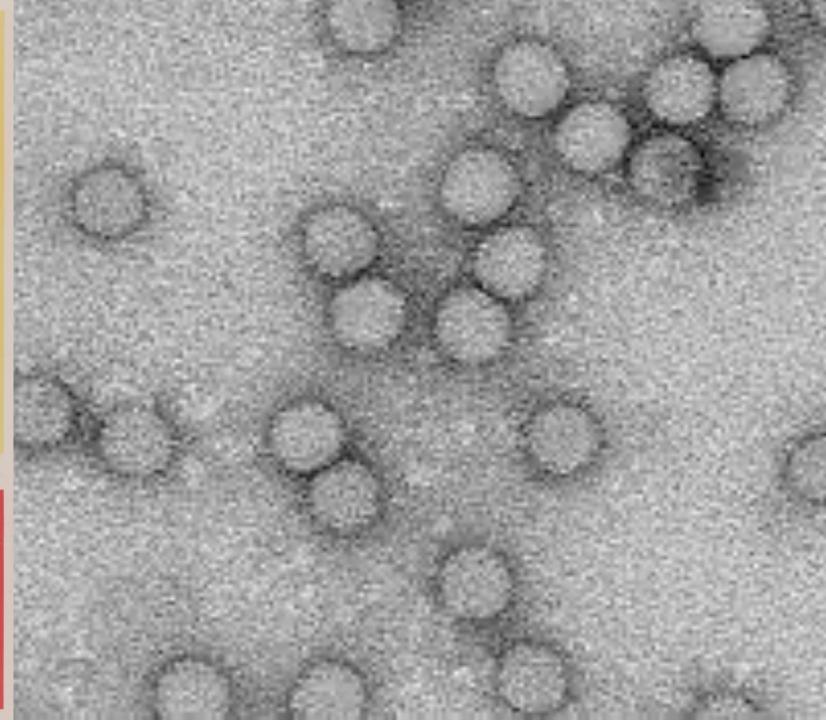
# Penicillin THE NEW LIFE-SAVING DRIEG

# Saves Soldiers' Lives!



Men who might have died will live...if YOU

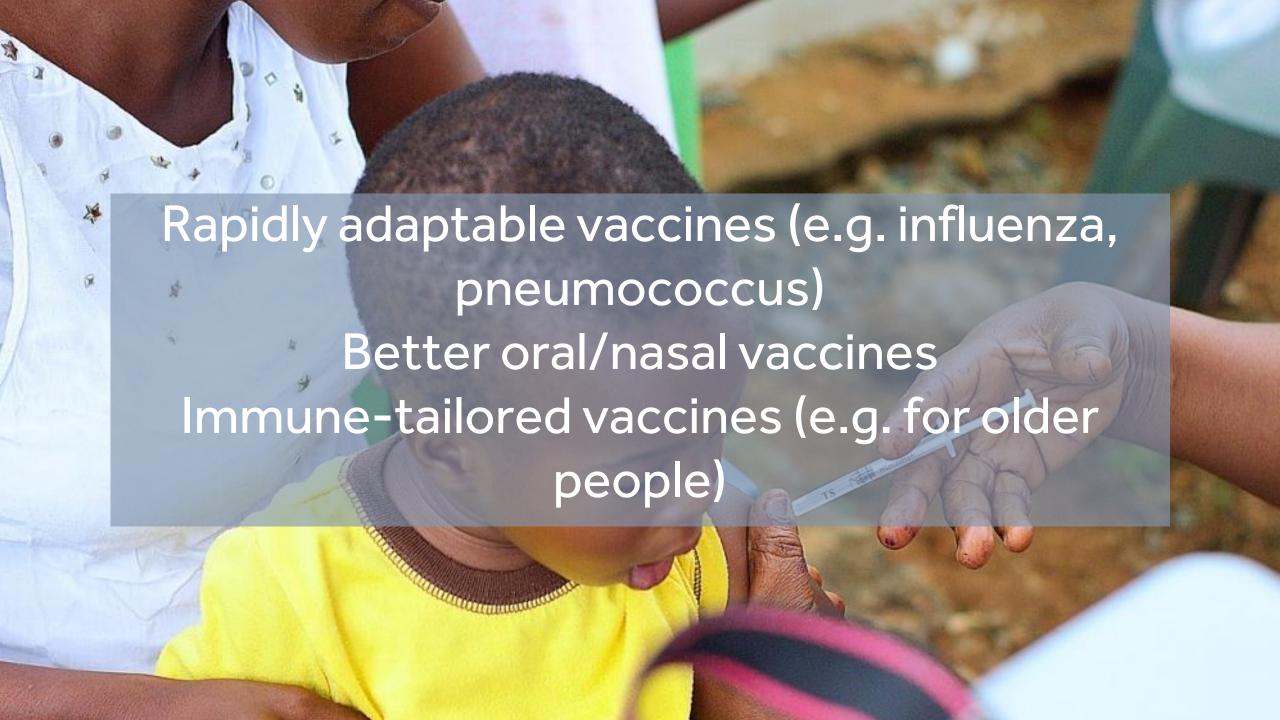
Give this job Everything You've got!

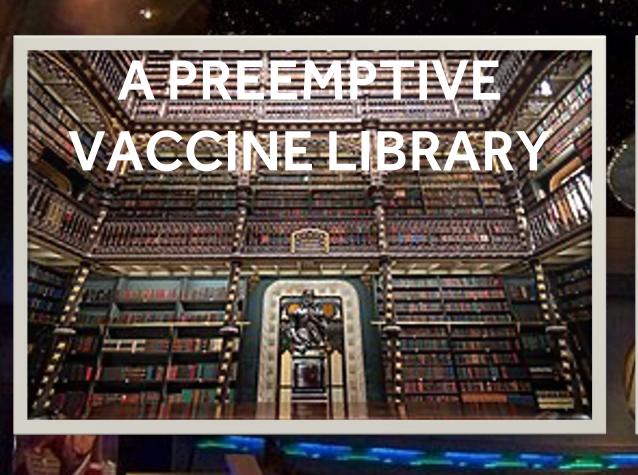


# 100 Å

# VIRAL VECTOR VACCINES







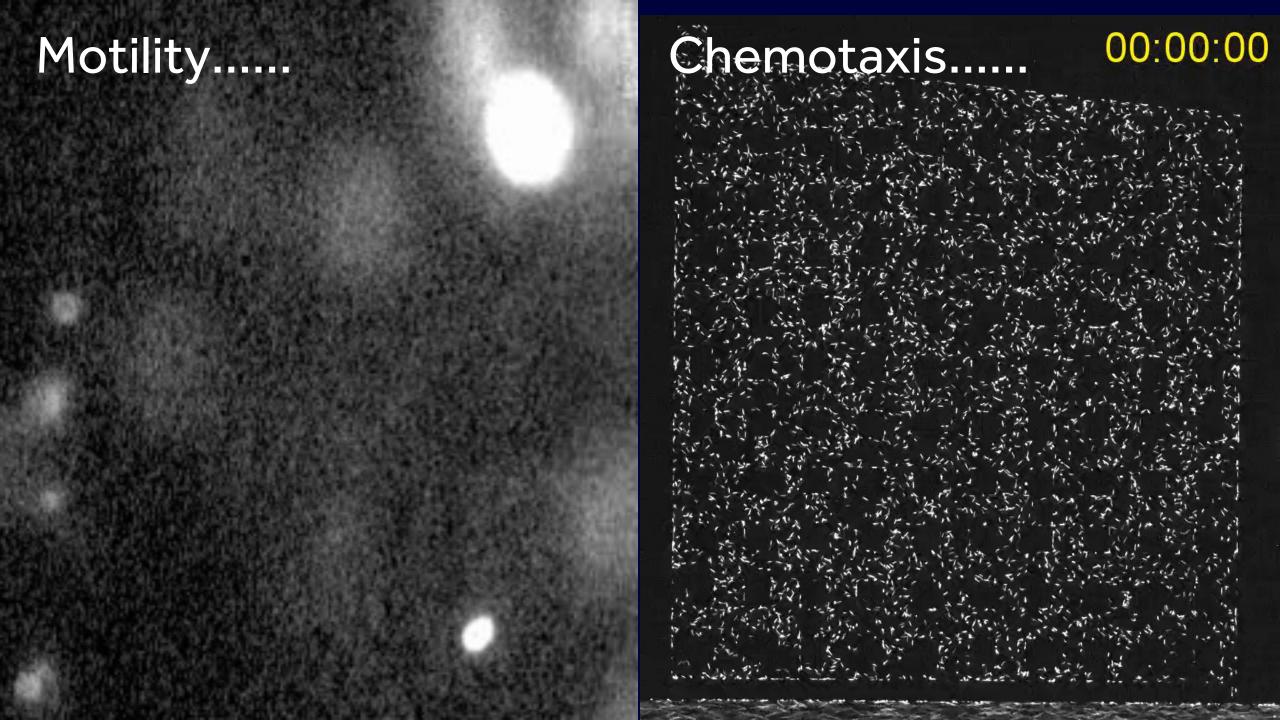


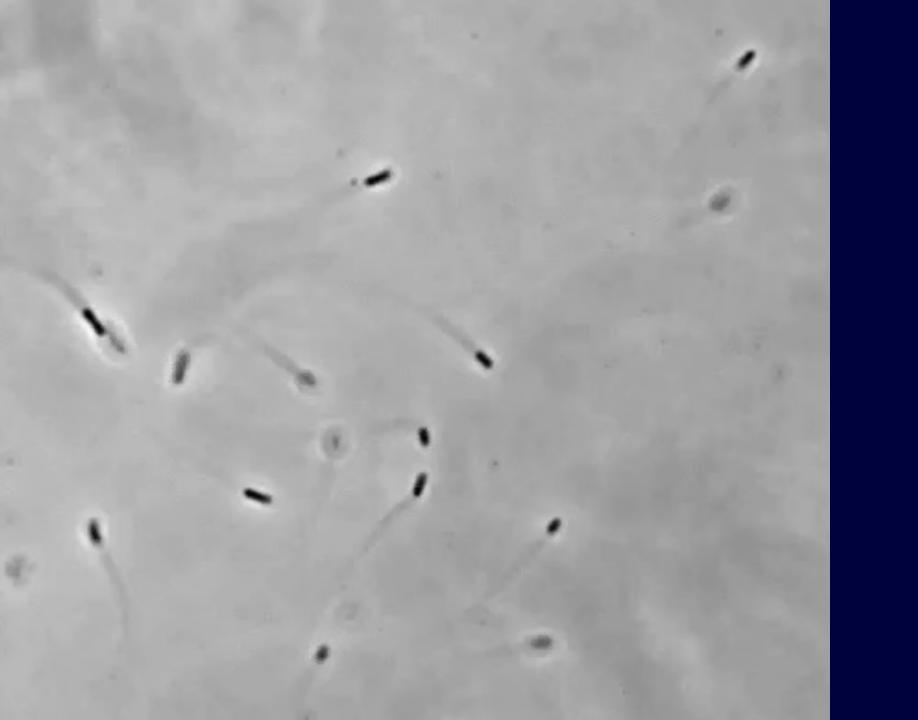


# Injection...

# BACTERIAL MICROSURGEONS







# Microbially Targeted Medicine









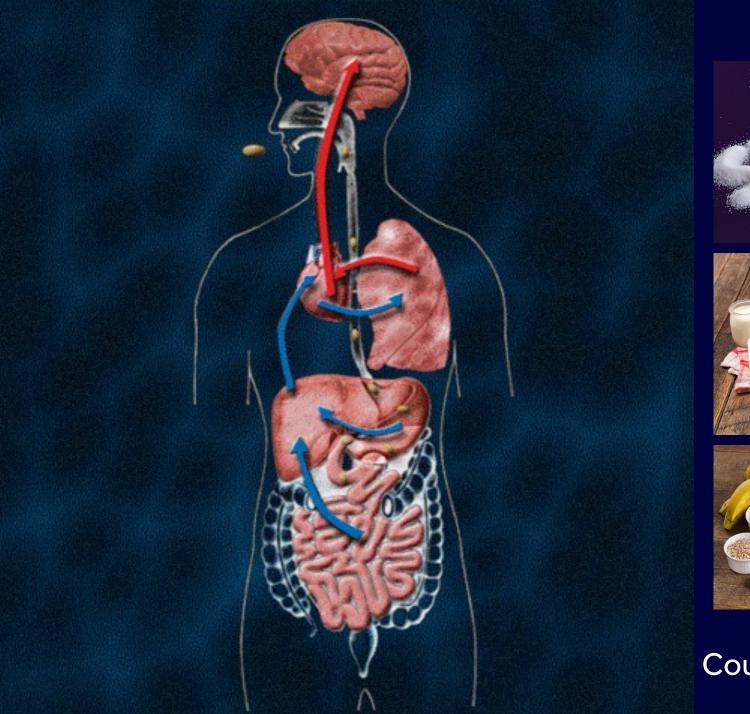
# MICROBIAL FOODS





# What else might microbes be able to do?







Common sugar: sucrose Glucose-β1,2-Fructose



Lactose Galactose-β1,4-Glucose



Starch (Glucose-α1,4-Glucose)<sub>n</sub>





**Biofuel** 



Fruit juice industry



Baking industry



Paper industry





Glycoenzymes or "CAZymes" (Carbohydrate Active enZYmes)



Animal feed industry

Fine and bulk chemical industries



Textile industries

Diagnostics



Drug development



Home care products



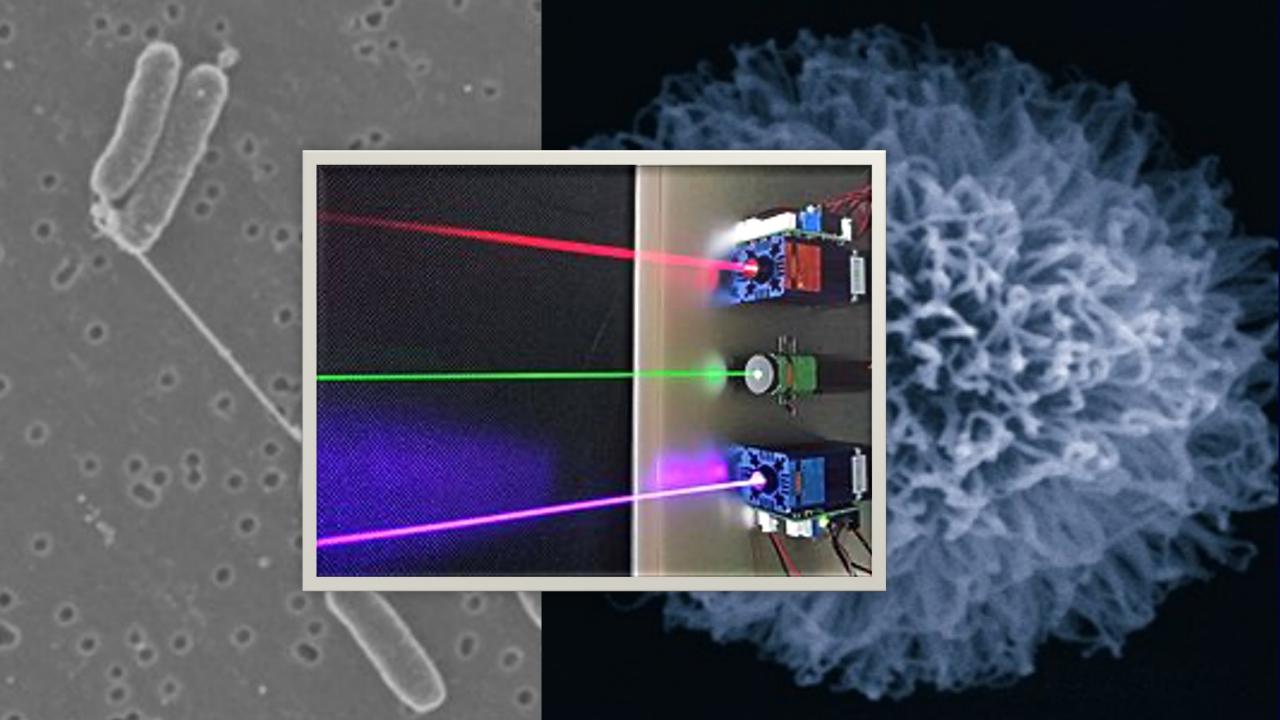




### MICROBIAL MANUFACTURING







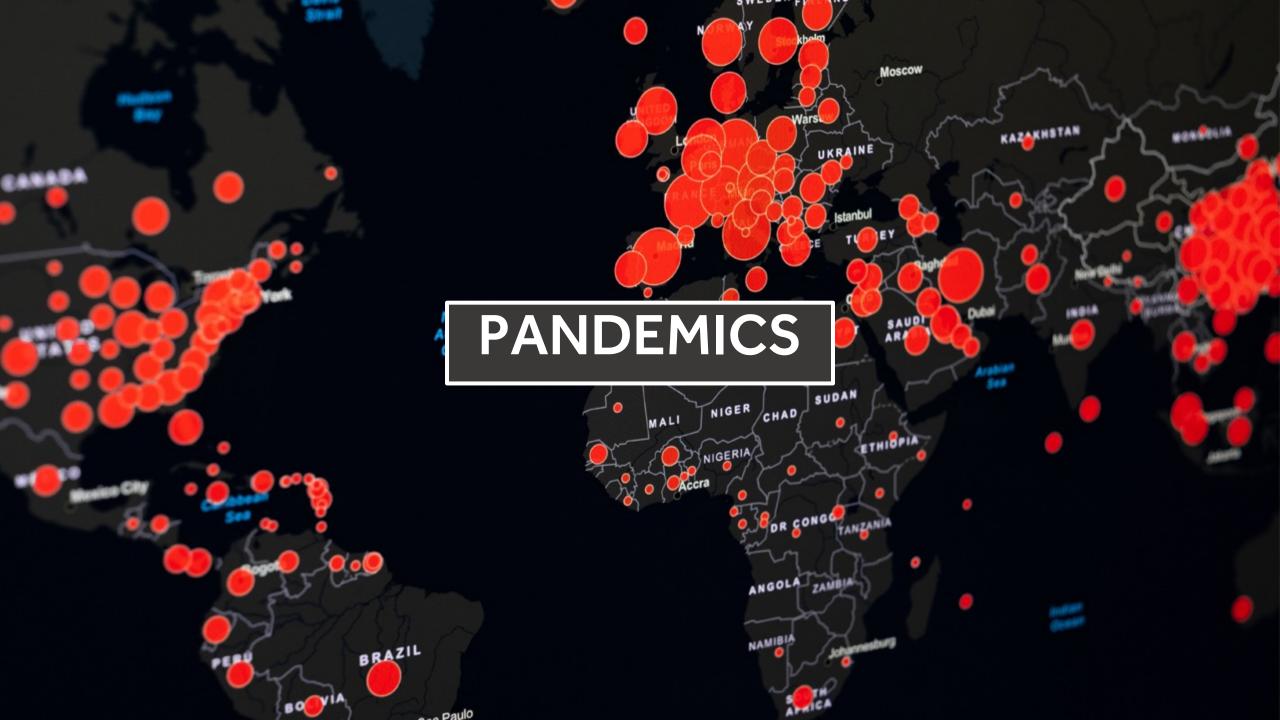
# SELF-PROPAGATING SENSORS

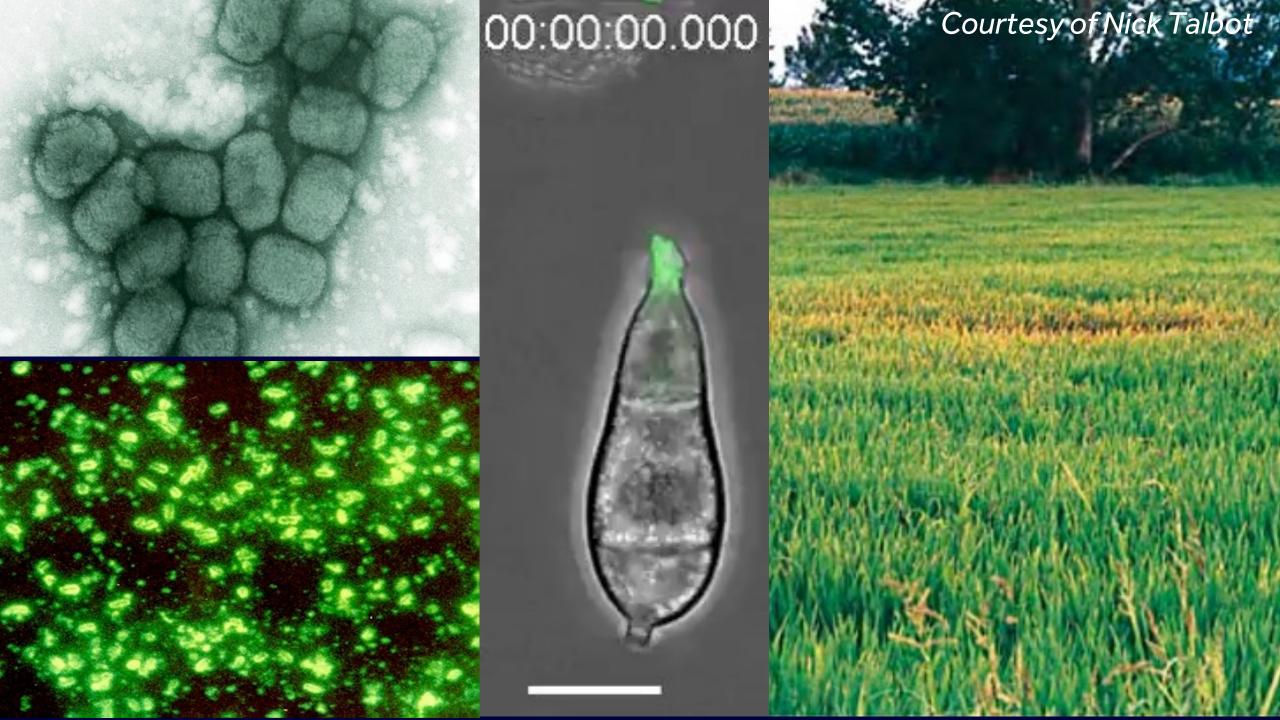




### It's the end of the world as we know it...

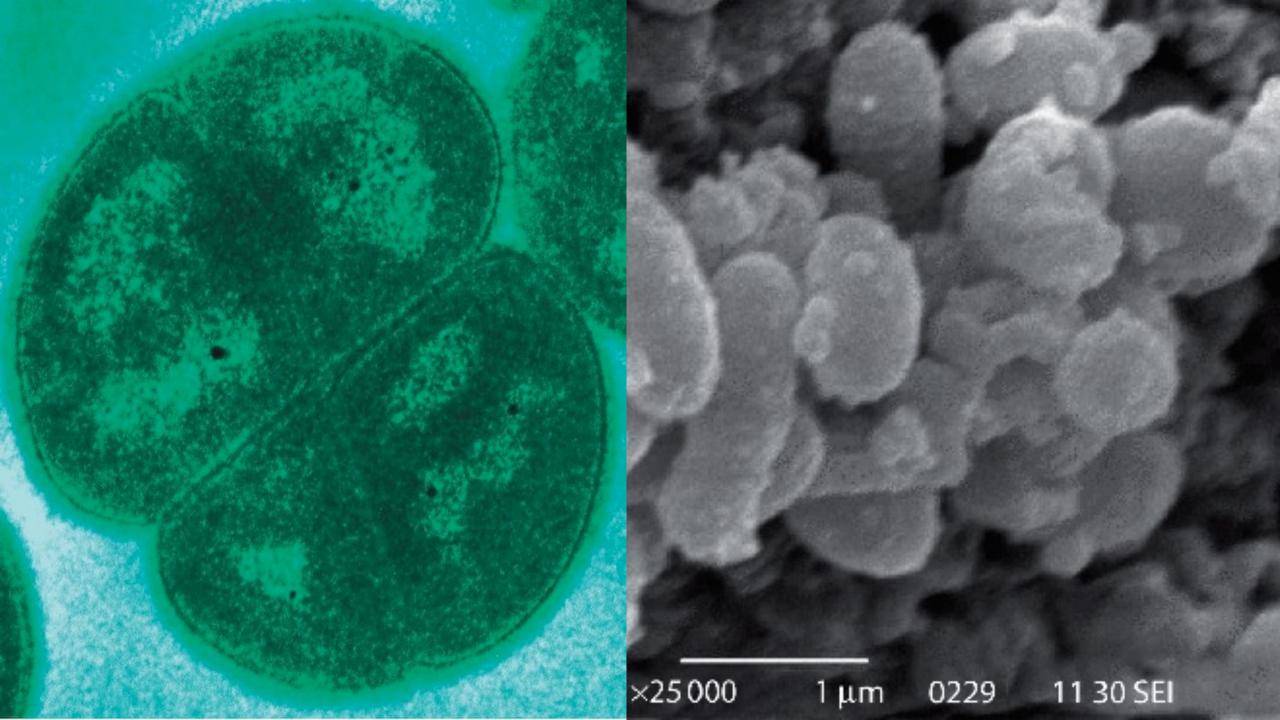


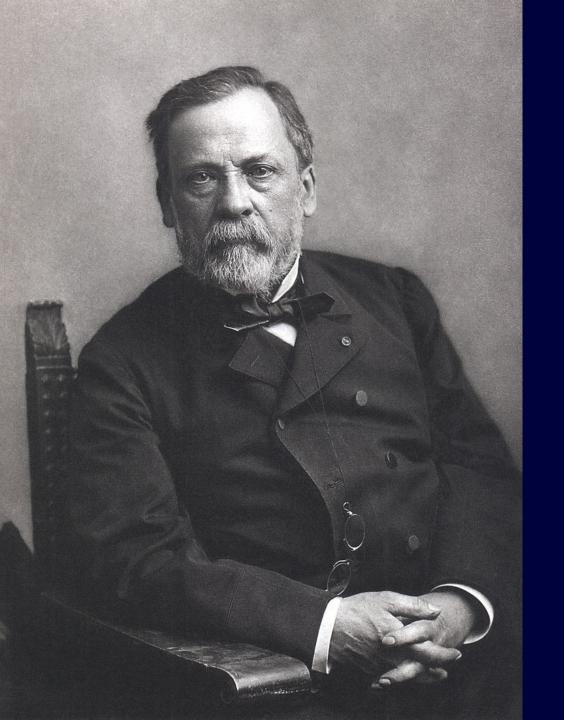




# To end on a happier note (sort of)...







"C'est les microbes qui auront le dernier mot."



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