Humans have **personalized** microbial clouds.

- Streptococcus
- Propionibacterium
- Corynebacterium

MICROBIAL CLOUD

10^6 bio. particles/hr

1) An unoccupied space has a distinct cloud compared to an occupied one.

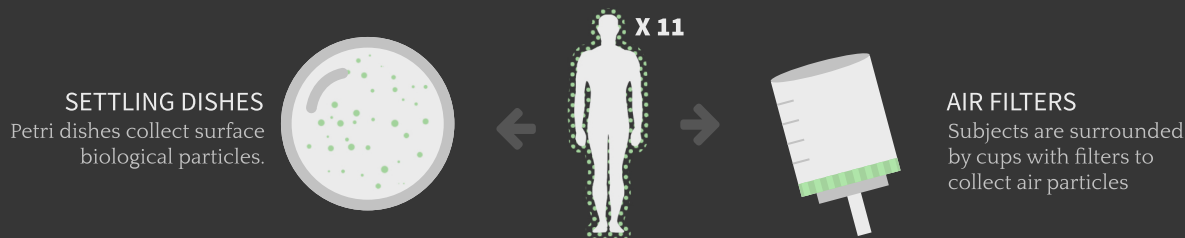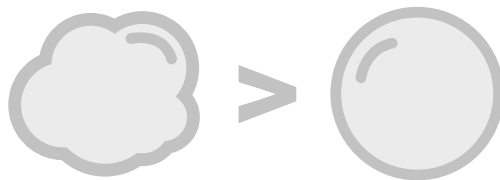2) Each person has their own distinguishable microbial cloud.

The findings emerged from two different studies and more than 14 million sequences representing thousands of different types of bacteria found in the 312 samples from air and dust.

METHODS

X 11

SETTLING DISHES
Petri dishes collect surface biological particles.

AIR FILTERS
Subjects are surrounded by cups with filters to collect air particles

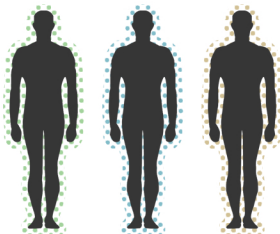Airborne particles were more **identifiable** than settled ones.

KNOWN BACTERIA

SUBJECT 1
Dolosigranulum

SUBJECT 2
Streptococcus

SUBJECT 3
Lactobacillus

Most of the 11 subjects had a **unique** microbial cloud.

PeerJ