

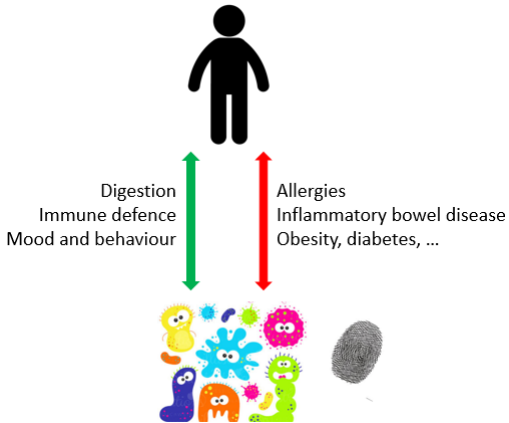
GetMyBio.me
...but I don't give a shit

Sai, Aditya, Justin, Jana

June 18, 2017



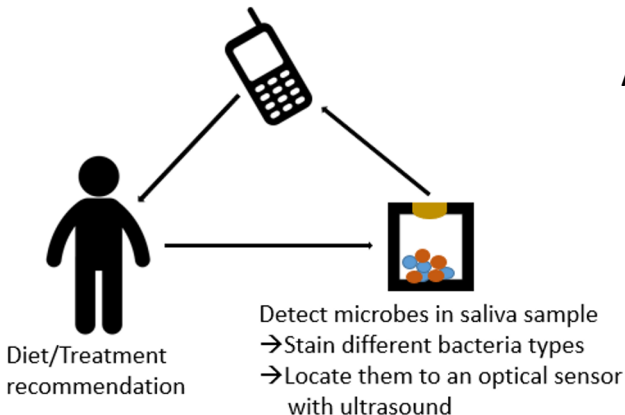
The microbiome defines YOU



- Changes with life(style)
- Risk indicator for diseases
- Personalised (probiotic) diet

Microbiome insights for individuals

Analyse color pattern of microbe composition
Access database for information about microbes



Advantages:

- no culture system
- not influenced by salts
- rapid

Our prototype with visible "bacteria"

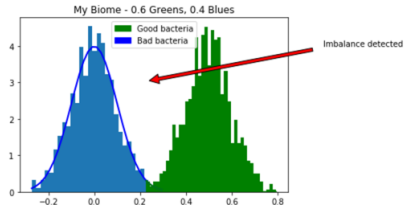
Achievements:

- Image analysis
- Retrieve proportions of colored bacteria
- Android app



Outlook:

- Generate ultra-sound with more Hz
- Staining protocol for bacteria
- Connection to database



e-Health at home

Save your stool, just drool.



References:

Zourob M, Hawkes JJ, Coakley TW ,Treves Brown BJ, Fielden PR, McDonnell MB and Goddard NJ (2005) Optical Leaky Waveguide Sensor for Detection of Bacteria with Ultrasound Attractor Force. *Anal. Chem.* **77**, pp 6163-6168.

<http://www.homd.org>