# Internship at PNNL

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Host: Hyun Seob Song
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Research Background

- Biofilms-Highly complex system

- Huge treatment cost

- High antibiotic tolerance

- Need better understanding in order to devise

  effective treatments

Bacterial biofilm is a major barrier to wound healing

Cystic Fibrosis
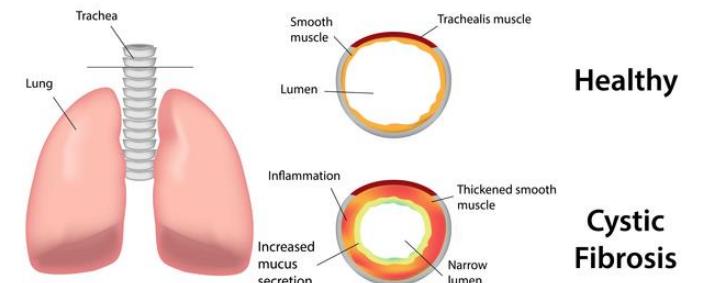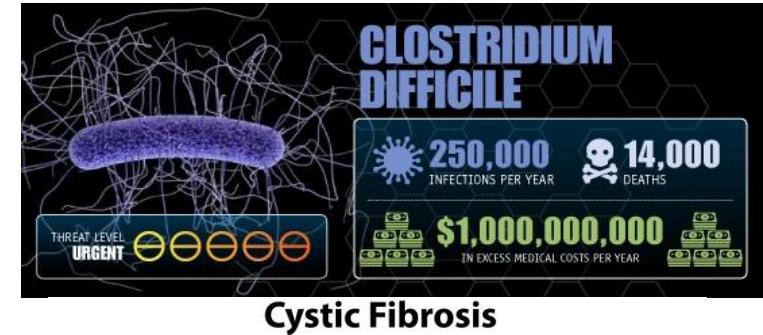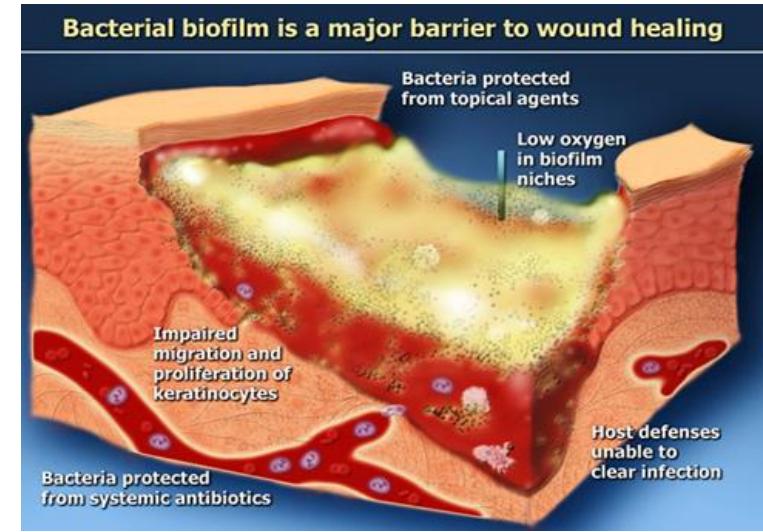
Why PNNL

- Research interest overlap

- Experience working in an industrial environment and academic institution

- Help to develop a 360 view of Education-Research-Implementation

- Get me in touch with brilliant minds across the globe

- Warm weather!

What has struck you most

- Interns are well received

- Employee-intern interactions

- Dedicated networking events for interns

- Professional grooming sessions

Expectations vs Reality

Expectations

- Interactions with subject matter experts
- Open to receive ideas

- Planned to learn new techniques relevant to my research
- Ample availability of resources

Reality

- Mentor was highly knowledgeable & personable
- Ideas were well received and encouraged
- Organization did provide avenues to learn new techniques
- Did not have computationally powerful devices

Takeaways

- Learnt new data fitting techniques, core metabolic model development, etc.

- Understanding of working in a national lab

- Good work life balance

- Developed a good professional network panning across the globe

Acknowledgments

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  - National Science Foundation (biofilm modeling)
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  - UMass-BTP

Questions?