Problem Day 2019 Program
October 4, 520 S Euclid Ave

Who are we?

Sling Health is a student-run biomedical design and entrepreneurship accelerator founded in 2013. Our mission is to empower students from all backgrounds to create new healthcare innovations through entrepreneurship. We provide our teams with the resources to launch successful startups that impact patient care. Visit stl.slinghealth.org to learn more.

Problem Day

Welcome to Problem Day. You’re here to find your team for this cycle, or to mentor teams as they go through our process. Discover who and what inspires you. At each poster, project leads will be pitching the problems that they are interested in working on for the year. We challenge you to start a conversation and let the sparks fly.

Schedule

Appetizers, dinner and refreshments will be served
5:00 – 6:00 PM – Interprofessional Networking event (2nd floor)
6:00 – 6:15 PM – Keynote: Dr. Jeff Gamble, CTO, Resilient
6:15 – 8:00 PM – Problem Day poster presentations (1st floor)

Team interest form

Visit tinyurl.com/PD19Checkout or go to the check-in table to mark which project leaders you are interested in working with, and we will share your contact info. Please make sure to apply at bit.ly/SHApp19

Project Leaders & Problems

Abhinav Gabbeta | abhinav.gabbeta@wustl.edu
WUSTL 1st Year MBA
- Destigmatizing film/TV media representations of mental health issues and improving awareness/education with more accurate information

Brandon Lum | BJLum@wustl.edu
WUSTL 1st Year MEng in Biomedical Innovation
- Improving the usage of eye drops for better treatment efficacy
Chris Douglas | chrisdouglas@wustl.edu
*WUSM 1st Year Medical Student*
- Real-time assessment of mental health using wearable devices

Dhruv Patel | patel.d@wustl.edu
*WUSTL 1st Year MBA*
- The average delay between onset of mental illness symptoms and treatment is 11 years & 60% of U.S. counties do not have a single practicing psychiatrist
- Manageable psychiatric conditions worsening over time can lead to permanent mental disability

Helena Hurbon | hhurbon@wustl.edu
*WUSTL dual degree BME (Eckerd College)*
- Improve neurorehabilitation for stroke survivors with hemispatial neglect

Ian Berke | ianberke@wustl.edu
*WUSTL BME PhD Candidate*
- Enhancing clinical outcomes and datasets by improving medical compliance in an osteoporotic patient population

Igor Luzhansky | igor.luzhansky@wustl.edu
*WUSTL 2nd year Materials Engineering PhD Candidate*
- Measure cardiac biomarkers on the spot in order to reduce ambiguity in early assessment of myocardial infarction (MI) symptoms and enable rapid triaging of ER patients
- Locate nerves during surgery and to non-invasively track regeneration following repair and graft implantation

Inema E Orukari | inema.orukari@wustl.edu
*WUSTL MD/PhD Student*
- Developing a device for point of care measurements of a biomarker for heart and brain health
- Developing a device to detect nocturnal seizures in kids

Jennifer Lanas | jennifer.lanas@wustl.edu
*WUSTL MBA 2021, former K-12 teacher*
- Sex, Drugs, and Medical Misinformation: How might we help people to separate fact from fiction and connect to services in their own communities?

Jesse Leamon | jessel@wustl.edu
*WUSTL 1st year Dual Degree in Systems Eng & Engineering Management*
- Remote monitoring of patients

Kacey Lentz | kacey.lentz@wustl.edu
*WUSTL 1st Year MEng in Biomedical Innovation & MS in Systems Engineering and Mathematics student*
- A way to improve quantifying or preventing blood loss during childbirth to decrease associated deaths and complications

Kay Park & Joanne Song | k.park@wustl.edu | dahwoon@wustl.edu
*WUSTL 1st year MD/PhD student & 2nd year MPH student*
- Fight to eliminate food desert issues in STL using micro-markets
Kevin Ko & Meera Shah | kevinko@wustl.edu | mkshah@wustl.edu
1st year MBA students at WashU
• Consolidating data sources through a patient-centric medical portal

Kevin Park & Raphael Chung | ychung25@wustl.edu
WUSTL 1st Year MEng in Biomedical Innovation
• Developing a minimally invasive surgical method to treat benign prostatic hyperplasia to minimize complications and make it more accessible to the patients

Matt Millett | millett@wustl.edu
WUSM M1 | Ex-Facebook, worked at 4 startups | MS Bioinformatics, Stanford
• Finding Dr. Right: Humanistic, culturally-aware patient-provider matching

Micah Goodman | micah@rissana.io
Computer scientist in WUSM psychiatry lab
• Software that supplements traditional care for opioid addiction to improve patient outcomes

Rachel Heymach | rachelheymach@gmail.com
Master of Engineering student in Biomedical Innovation, B.S. Engineering, Product Design from Stanford University
• Reducing delays and improving patient cooperation in pediatric cardiology clinics

Samuel Margolis | sammargolis@wustl.edu
Team of 3 4th-year CompSci Students at WashU focused on data mining and machine learning
• Automate form filling and repetitive tasks for physicians, and administrative staff

Sherly Boddu | pboddu@wustl.edu
2nd year MPH student at WashU. Background is in Medical-Surgical Nursing
• Can front-line staff tell the total duration of a temporary indwelling-catheter from a simple visual assessment? If so, this will prompt for removal when no longer needed, and thus, decrease the risk for infections such as CLABSIs, CAUTIs, and VAPs.

Tani Kay | kaytani@wustl.edu
WUSTL Systems Engineering and Finance
• Developing a mechanism to dispense medication at prescribed intervals to prevent overdosing

Virginia Hsu | vhsu@wustl.edu
WUSM MD/PhD Candidate, 1st year, WUSM
• Developing a patient-side platform for tracking prescriptions
• Reducing OR wait times

Yash Thacker | ythacker@wustl.edu
WUSTL dual-degree Computer Science & Biology
• Create a device and app that monitors how well patients are doing PT at home
• Can we provide doctors real time monitoring of patients after they leave the hospital (wearable/ us data phone already has via an app)?
• Can a computer document as doctor talks to patient - use dragon dictation or speech analysis software to summarize what a doctor says as they are talking to patients?