

chmb -> MedHacks at
Johns Hopkins University
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Innovation, Technology, and Design
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Innovation. Talented individuals with a entrepreneurial mind-set, passionate
about changing medicine and making an impact converge at MedHacks. By
bringing together engineers, doctors, nurses, healthcare advocates, scientists,
entrepreneurs, biomedical students, healthcare systems, system operators,
design experts, medical device manufacturers, startups, and faculty to leverage change,
MedHacks is the place to go through a weekend of problem identification, rapid
prototyping, and interdisciplinary teamwork, the top minds in medicine in the
country will come together to tackle some of the most pressing challenges in healthcare.
Researchers present their most challenging problems, presenting technology
and/or intriguing data and allow hackers from all disciplines to unite to develop
innovative solutions and prototypes. </p>

Teams will present to their
peers and a panel of judges to
compete for cash prizes and the chance to put
their ideas into action.
Learn more, visit </p>

MEDHACKS

Johns Hopkins University

*Bridging the gap between engineers, clinicians,
healthcare professionals, and entrepreneurs to
accelerate medical innovation*

Three Pressing Problems



Growth in one of the nation's largest life sciences hubs

The Maryland / DC area aims to be one of the top three life sciences hubs of the nation by 2023. We are looking to help grow the industrial and entrepreneurial presence in this area to capitalize on the various assets within the region (such as the NIH, FDA, NSA, and more).



A booming industry's search for talent

With the recent tech boom with flourishing venture backed startups, the tech industry is going to war to attract top technical talent. The life sciences and biotech industry has shown to be no different.



Students in need of more opportunities to build translatable technologies

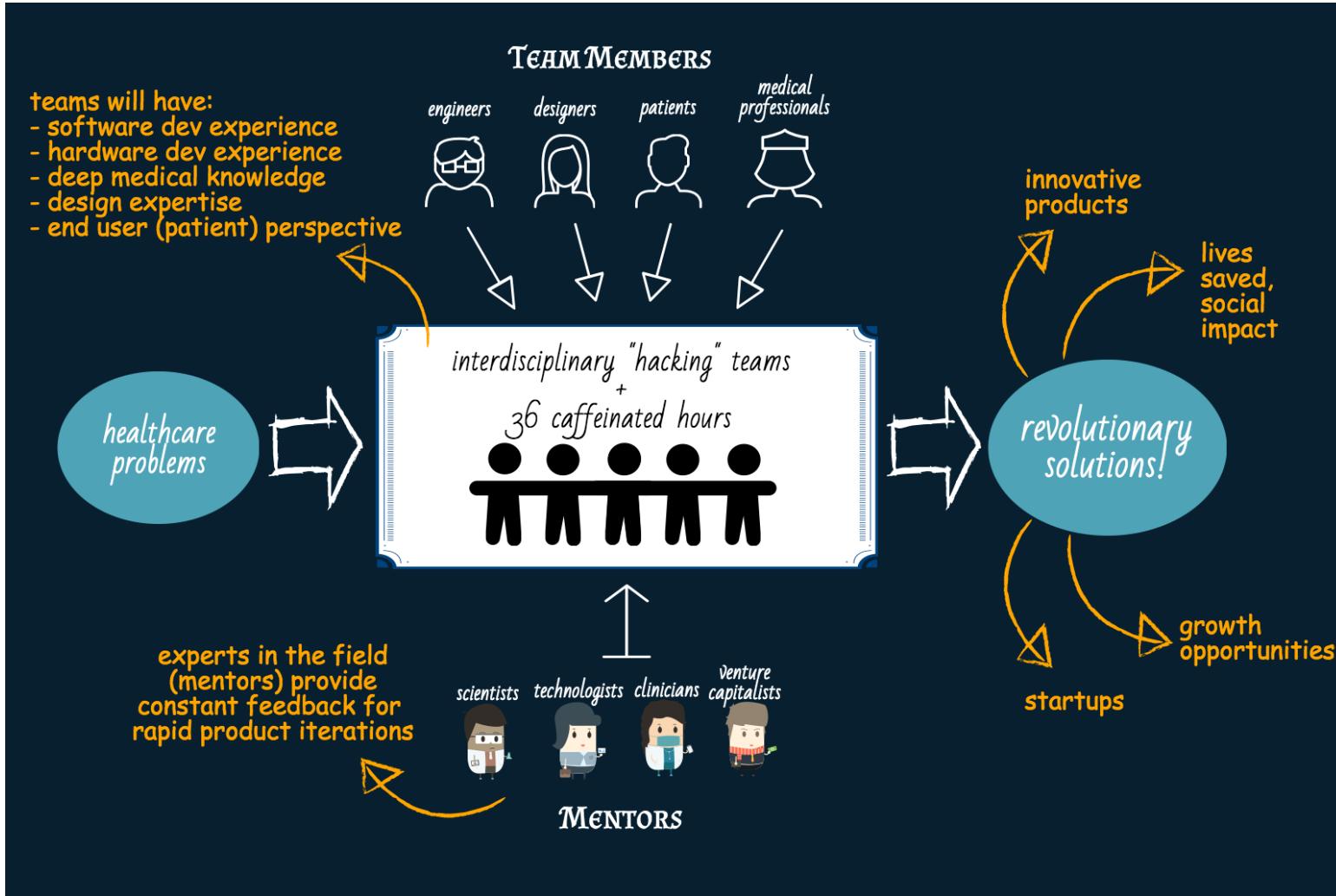
There is a desire amongst students to be more actively involved with the innovation and product development process. This is evidenced by the popularity of Design Team programs (year-long projects where engineers collaborate with industry partners to develop products) and entrepreneurship courses at Johns Hopkins.



A Catalyst for Interdisciplinary Medical Innovation

MedHacks is an elegant solution to these problems.

It is a medical hackathon that takes advantage of the cutting-edge medical research and deep clinical expertise present at Johns Hopkins University and in the Maryland / DC region.



Why You Should Be Involved



- Increased brand awareness
- Feature your logo and swag



- Use of your API
- Tech demos, workshops, keynotes



- Identify and recruit the top talent



- Participate in groundbreaking medical innovation



- Align your company with a premiere medical hackathon

Success Stories from Comparable Medical Hackathons

• PillPack

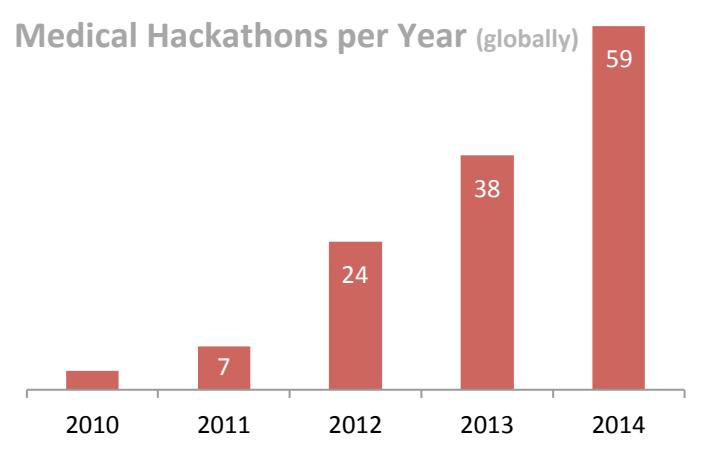
- ✓ sorts & delivers medications in personalized packets
- ✓ raised \$50 million in 2015
- ✓ developed at MIT Hacking Medicine 2011

• Augmented Infant Resuscitator (AIR)

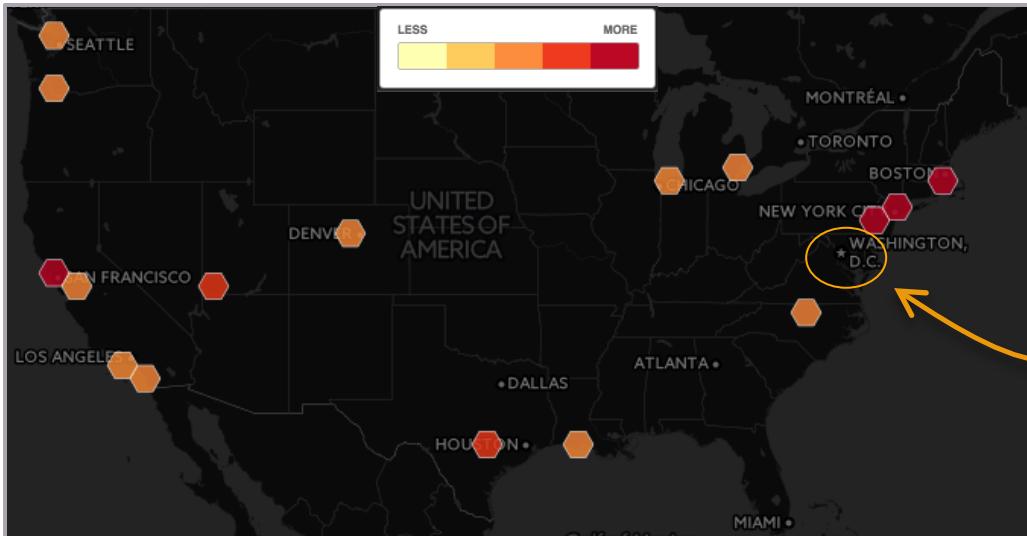
- ✓ monitors & records infant resuscitation procedures
- ✓ launched in Uganda
- ✓ developed at MIT Hacking Medicine 2012



Medical Hacking Is On The Rise For A Reason



- Amazing products are frequently developed at medical hackathons
 - ✓ PillPack and AIR are two examples, but the list is long
- These ‘innovation catalysts’ are an integral part of the life sciences ecosystem
- All major US life sciences hubs have thriving medical hacking communities... except Maryland / DC



We have many assets in the area, such as the NIH, FDA, NSF, NSA, and large research institutions (JHU and UMD)

... but 0 medical hackathons (yet!)

It's time to change that.



Meet Our All-Star Team



Ron Boger



Kush Gupta



Neil Rens



David Hamburger

- our undergrads
- span biomedical engineering, computer science, math, and international studies
- Winners and attendees of multiple hackathons



Elizabeth
Galbut



Tamara
Goldschmidt



Gregory Kiar



Ramzi Dudum

- our grad students (or recent grads) from Carey Business School and the Bloomberg School of Public Health
- years of experience working with startups, healthcare, and planning large-scale events



Dr. Joshua T. Vogelstein

- our professors
- Hopkins BME professor at Institute for Computational Medicine
- seasoned perspective



What We've Accomplished

TEN X 2020

A Vision for Johns Hopkins University Through the Year 2020



In a JHU competition for innovative campus-wide projects, Medhacks received 464 votes in 15 hours and 10 minutes. There is tremendous support for Medhacks at Johns Hopkins

We're supported by the #1 ranked BME program in the U.S.

MedHacks is run through an organization with a track-record of successful, large-scale events, and is collaborating with 8 other JHU student groups

MedHacks is officially being sponsored by venture capital giant Kleiner Perkins as a “Build for Good” initiative

We have many “academic toys”: hardware and datasets for our participants to hack with



What We Need

Mentors

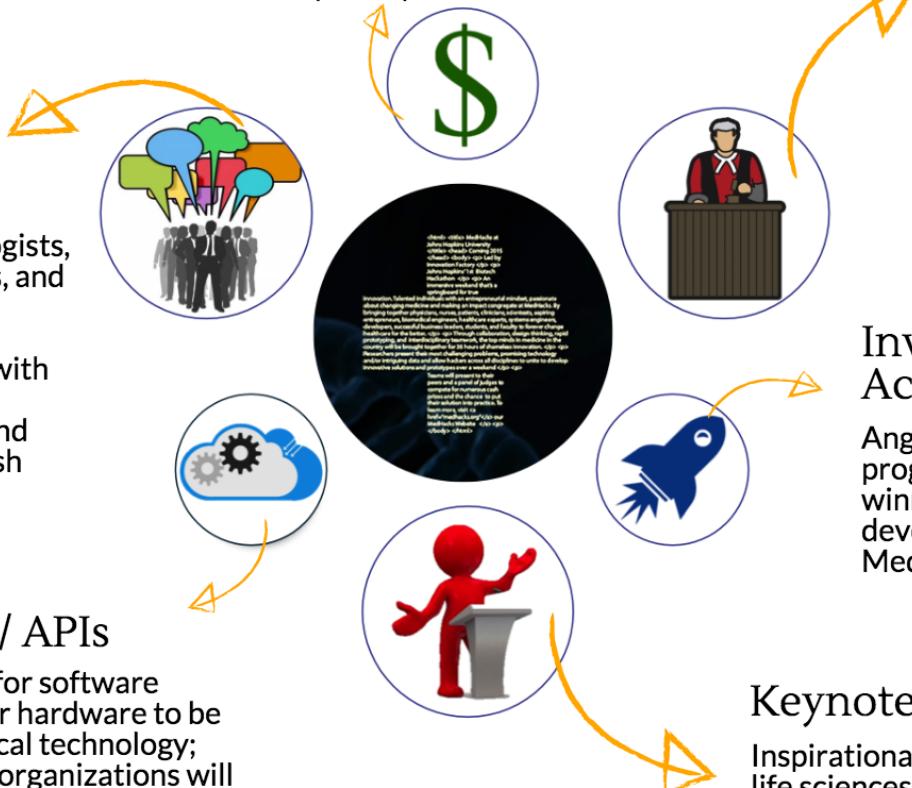
Scientists, technologists, clinicians, investors, and other life sciences experts; mentors will work with participant teams, delivering insight and helping hackers flesh out their ideas

Hardware / APIs

Datasets, APIs for software development, or hardware to be utilized in medical technology; companies and organizations will provide such tools for our hackers to use as building blocks during the hackathon

Money

Monetary support will help us expand the services and opportunities provided to participants



For more details, view our Sponsorship Sheet!

Citations

- CartoDB attribution © OpenStreetMap contributors © CartoDB
- Health Hackathon Database by Aman Bhandari and Matt Hayward in collaboration with Luminary Labs; Hosted by <http://hackingmedicine.mit.edu>
- http://www.healthynewbornnetwork.org/sites/default/files/images/BLOG_AIRproject4_6Oct2014.jpg
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