We are not too late for the future, but we could be too slow.

MEDICAL VALLEY
Europäische Metropolregion Nürnberg

Forum MedTech Pharma

ZD.B ZENTRUM DIGITALISIERUNG. BAYERN

HEALTHCARE FUTURISTS

@HCFUTURISTS

Information,
Insights,
Impressions,
Interaction,
Investment,
Intervention,
Improvement.

Where do you want to go today? Your Key to understand the Greater Healthcare Metropolititan Area.

Smart Data Driven Healthcare
A vision of the Future?

Don‘t call it a smartphone. Call it a medical device.

To shape the future without dreams is futile. To dream without courage is irrelevant. To be courageous without direction is painful.

"While we are standing on the shoulders of giants, I want to knock on the sky and try radically new kinds of things."
HEALTHCARE FUTURISTS

HealthCare belongs to everyone, not just doctors.

Seven Theses concerning Digital Transformation of Healthcare

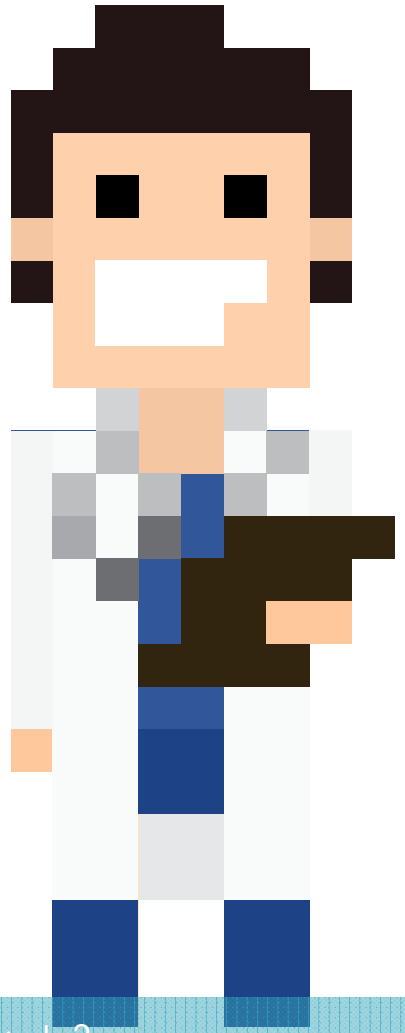
1. Digital Everywhere

2. The Future Doctor is HDMI.

No, it is not the monitor, this is how computer games looked like in 1986

Two measuring points weighing in on countless ones: Diabetes has become a hundered differnent disease entities

HEALTHCARE FUTURISTS



Which doctor would you rather go to?

3. Big Data = Big Bullshit

This way to Enlightnment?

HEALTHCARE FUTURISTS

Computer-based personality judgments are more accurate than those made by humans

Wu Youyou[a,1,2], Michal Kosinski[b,1], and David Stillwell[a]

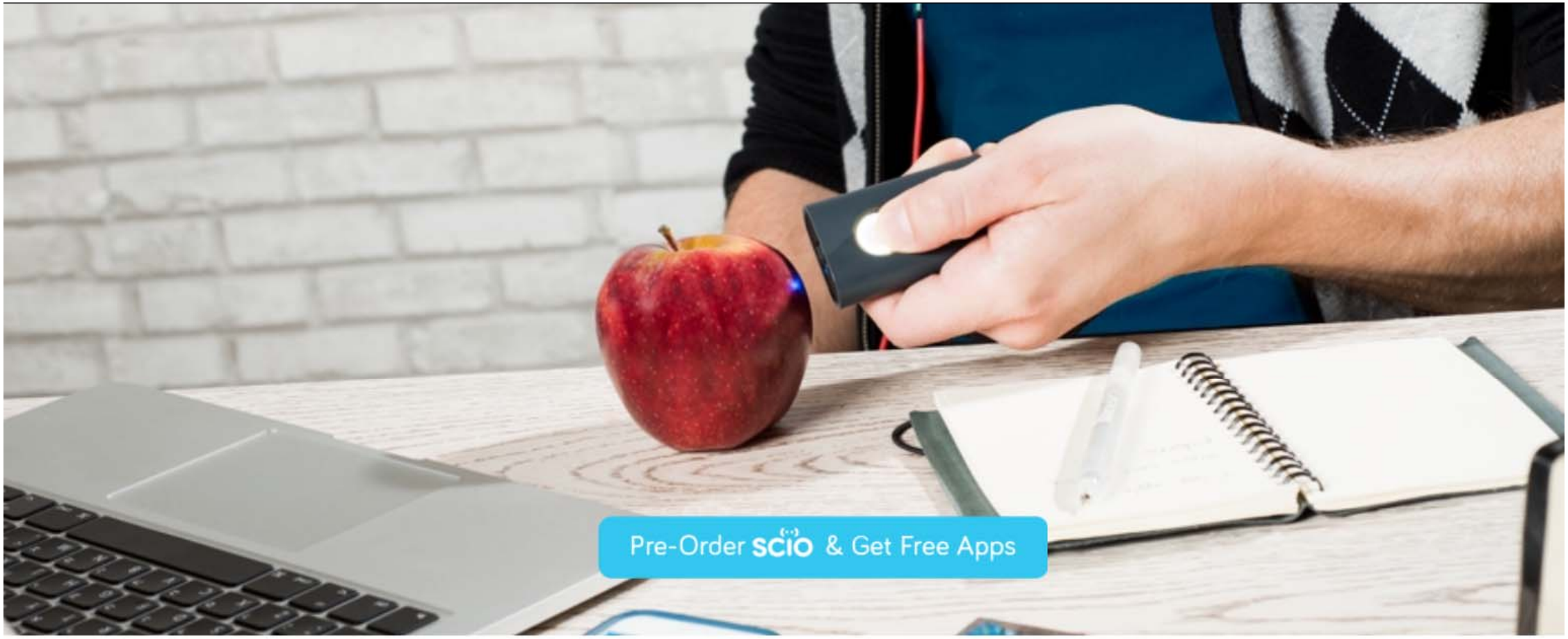
[a]Department of Psychology, University of Cambridge, Cambridge CB2 3EB, United Kingdom; and [b]Department of Computer Science, Stanford University, Stanford, CA 94305

Judging others' personalities is an essential skill in successful social living, as personality is a key driver behind people's interactions, behaviors, and emotions. Although accurate personality judgments stem from social-cognitive skills, developments in machine learning show that computer models can also make valid judgments. This study compares the accuracy of human and computer-based personality judgments, using a sample of 86,220 volunteers who completed a 100-item personality questionnaire. We show that (*i*) computer predictions based on a generic digital footprint (Facebook Likes) are more accurate ($r = 0.56$) than those made by the participants' Facebook friends using a personality questionnaire ($r = 0.49$); (*ii*) computer models show higher interjudge agreement; and (*iii*) computer personality judgments have higher external validity when predicting life outcomes such as substance use, political attitudes, and physical health; for some outcomes, they even outperform the self-rated personality scores. Computers outpacing humans in personality judgment presents significant opportunities and challenges in the areas of psychological assessment, marketing, and privacy.

Personalized Health Test will become the new Normal

SCiO by Consumer Physics

SCiO SCiO FOR BUSINESS SUPPORT ORDER



SCiO: Explore More!

A Pocket Molecular Sensor For All!

Scan materials or physical objects. Get instant relevant information to your smartphone. Food, medicine, and more.

Diagnosis: Digital Wanderlust

Make Smart Data not just Big Data

Smart Data might be able to bring answer to urgent questions

HEALTHCARE FUTURISTS

Discovrey Solutions

Accelerate reseach and improve treatment options

Real World Evidence

Uncover health interventions to reform care approaches

Population Health Managment

Identify care gaps and enable delivery of timely coordinated care

Condition Specific Care

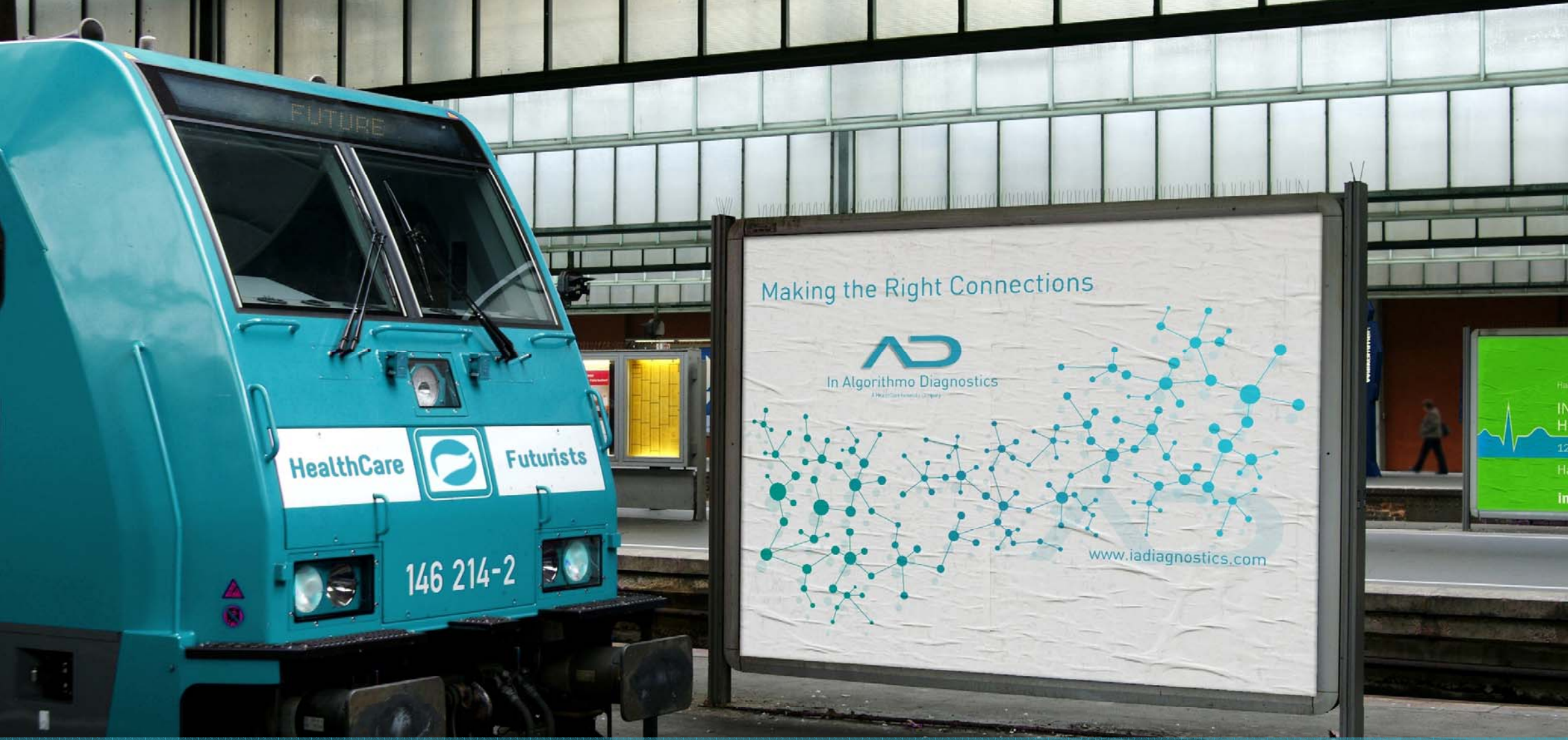
Apply best care protocols and manage chronic conditions

Health and Wellness

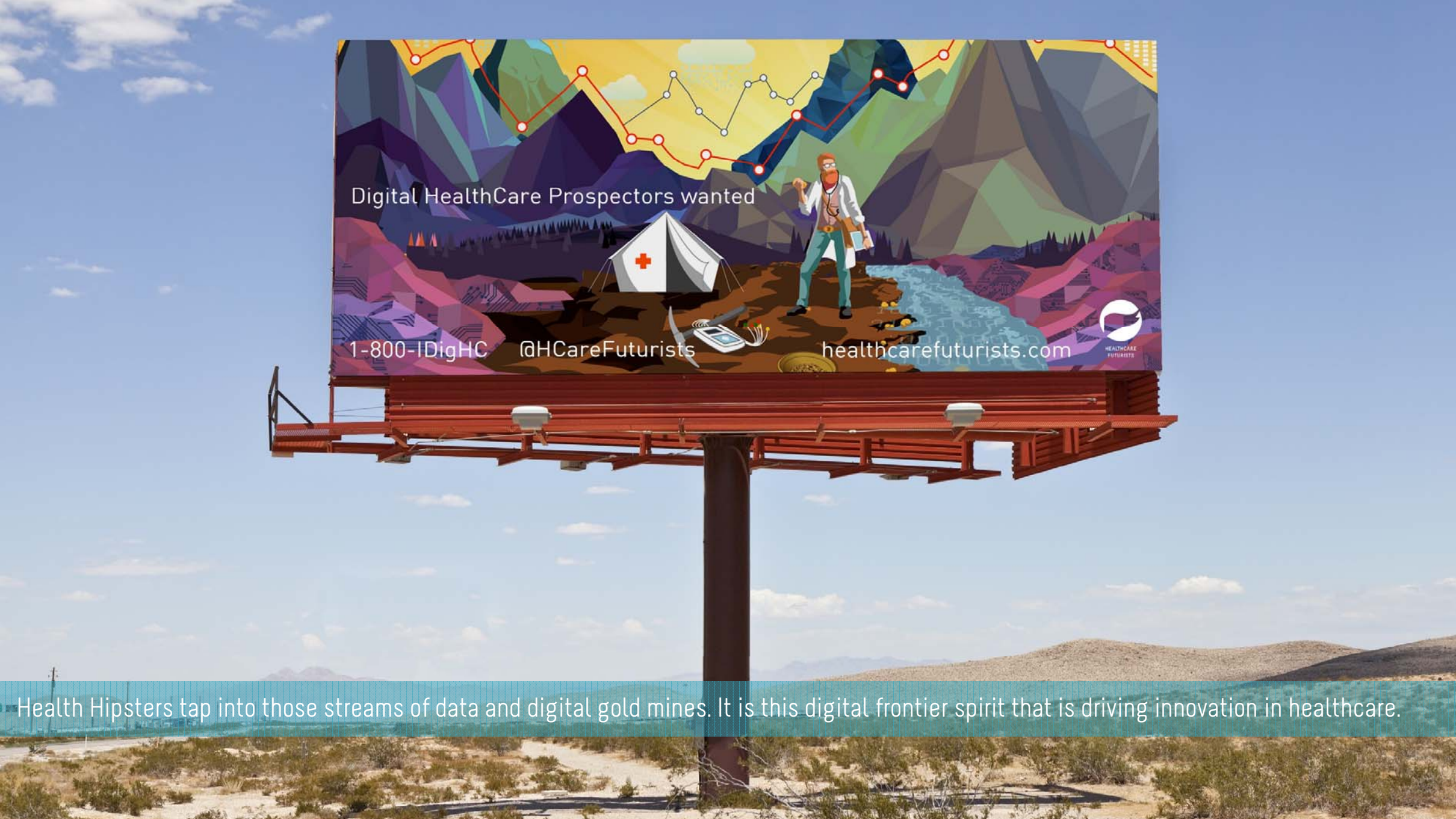
Empower individuas to live healthier more productive lives

Social Programs

Ensure that care approaches address individuals‘ social context



In-Algorithmo-Diagnostics: The new Normal in data based prediction.



Health Hipsters tap into those streams of data and digital gold mines. It is this digital frontier spirit that is driving innovation in healthcare.

Plattform and Cloud

What is going on in the Cloud?

Plattforms need to be open source.

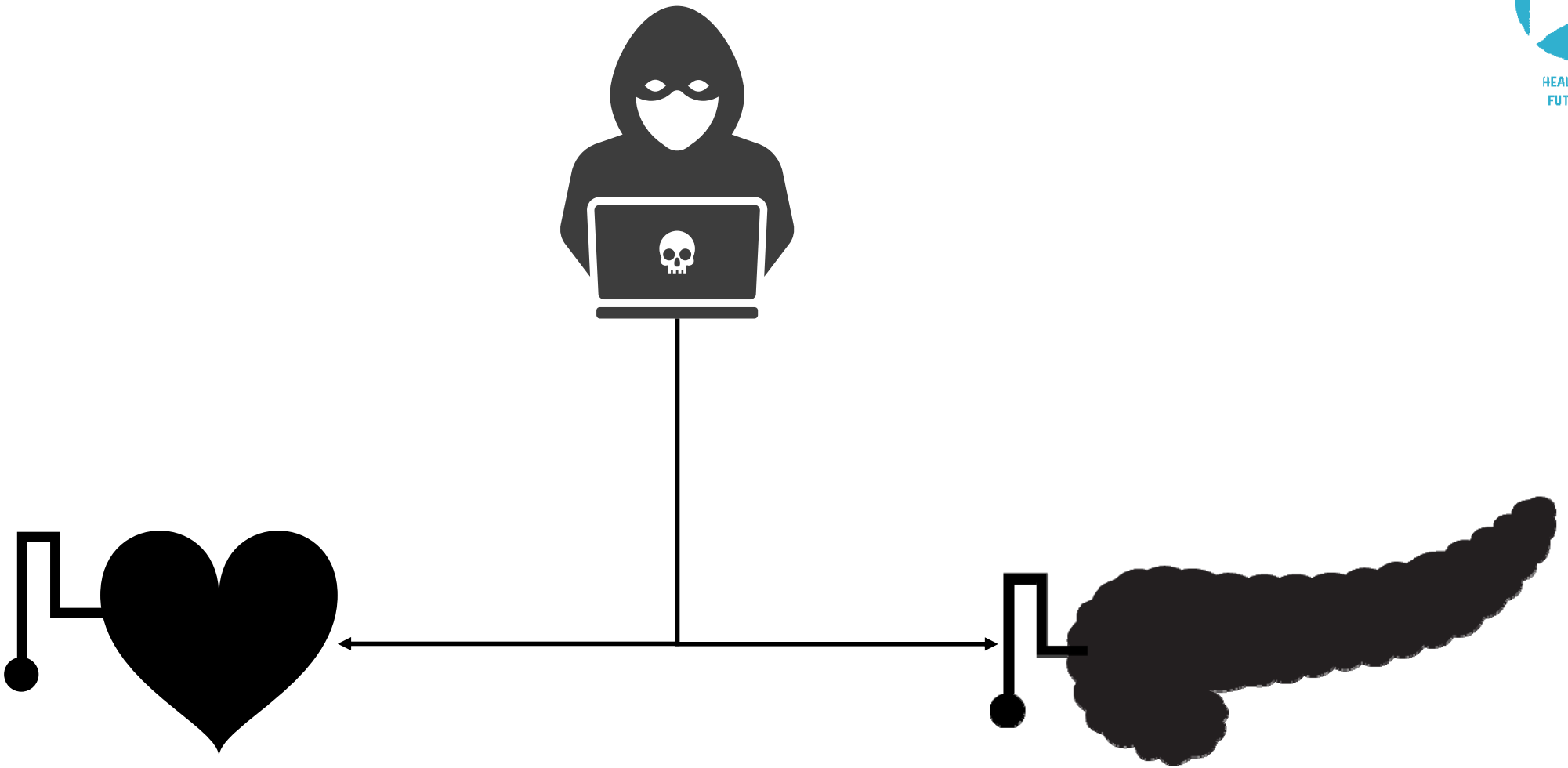
4. Dr. ‚Z‘ Rules.

HEALTHCARE FUTURISTS

Dr. Z rules

HEALTHCARE FUTURISTS

Maker Spaces, FabLabs and Mass Customization: My friend the filament: The whole world is an endless spaghetto.



www.nightscout.info
https://fourthievesvinegar.org
www.openinsulin.org

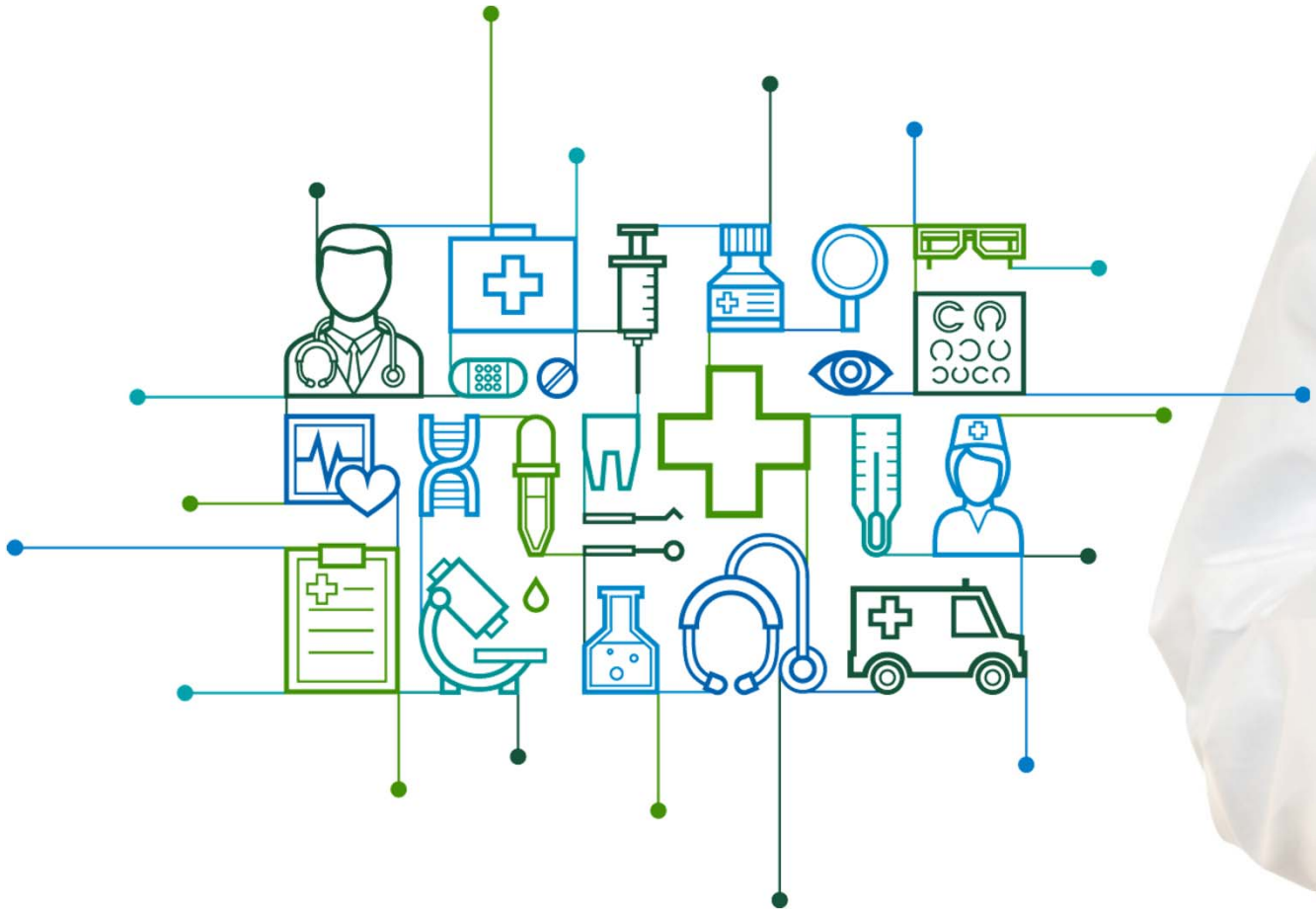
5. Everybody wants Change.
No one wants to Change.

HEALTHCARE
FUTURISTS

Friend or Foe: The Digital Hypochondriac?

From God to Guide

HEALTHCARE FUTURISTS



The internet of healthy things combines eHealth, mHealth and forms a bridge to big data driven medicine

Digital Additives will become the new normal in medication therapy

Imprintables combine the advantages of wearables and the advances of 3D printing

Imprintable Pacifier @HCareFuturists

- Energy harvesting through sucking and temparature gradient between outside and oral cavity
- Continuous measurement of selected parameters (puls rate, pH, resp. rate, temperature etc.)
- Pediatric dosage 3D printed drug eg. Para-cetamol and other drugs automatically or per digital Rx administered
- Close feedback loop of vital parameter monitoring and automted alerting systems
- Alogrithmic alignment to pediatric screening database

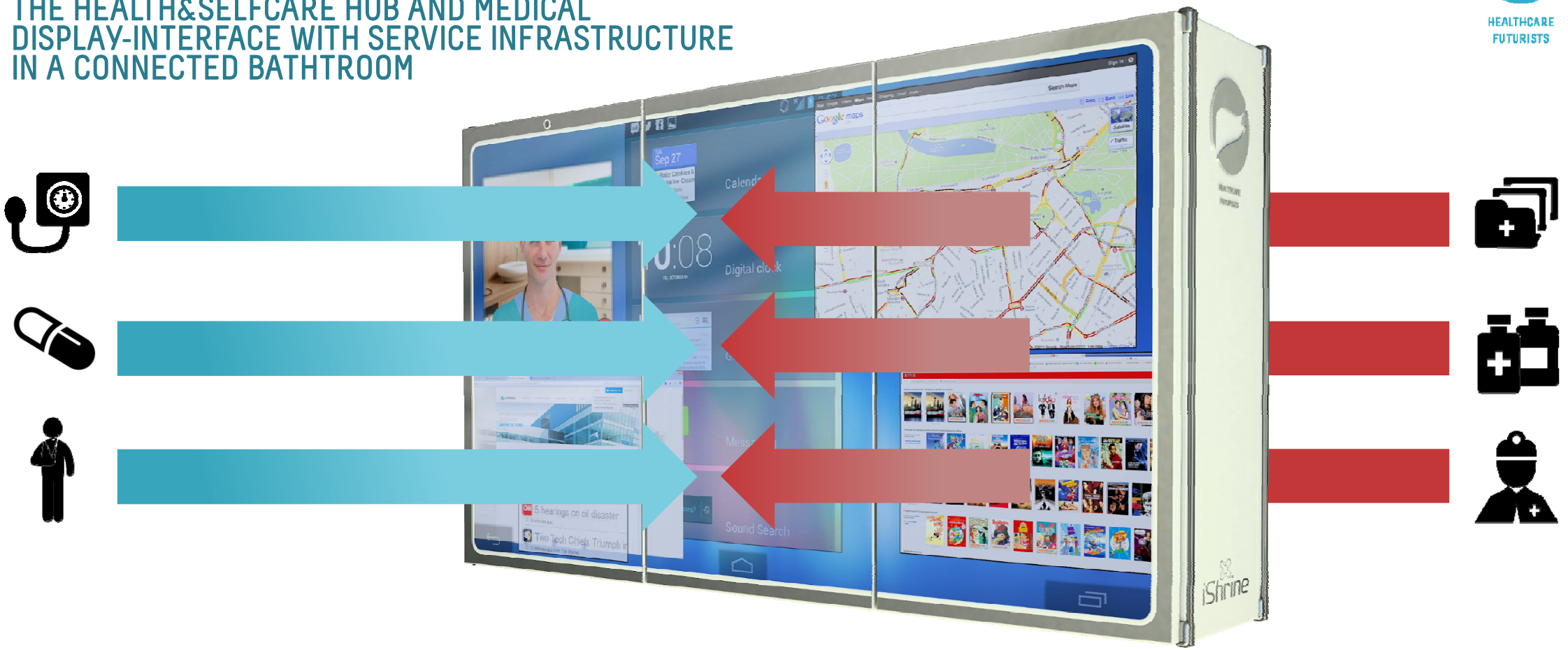
HEALTHCARE FUTURISTS

HEINRICH HEINE UNIVERSITÄT DÜSSELDORF

iSHRINE – the Care-Cockpit for the Empowered SNOWWHITE'S MIRROR ON STEROIDS

THE HEALTH&SELFCARE HUB AND MEDICAL DISPLAY-INTERFACE WITH SERVICE INFRASTRUCTURE IN A CONNECTED BATHTROOM

HEALTHCARE FUTURISTS

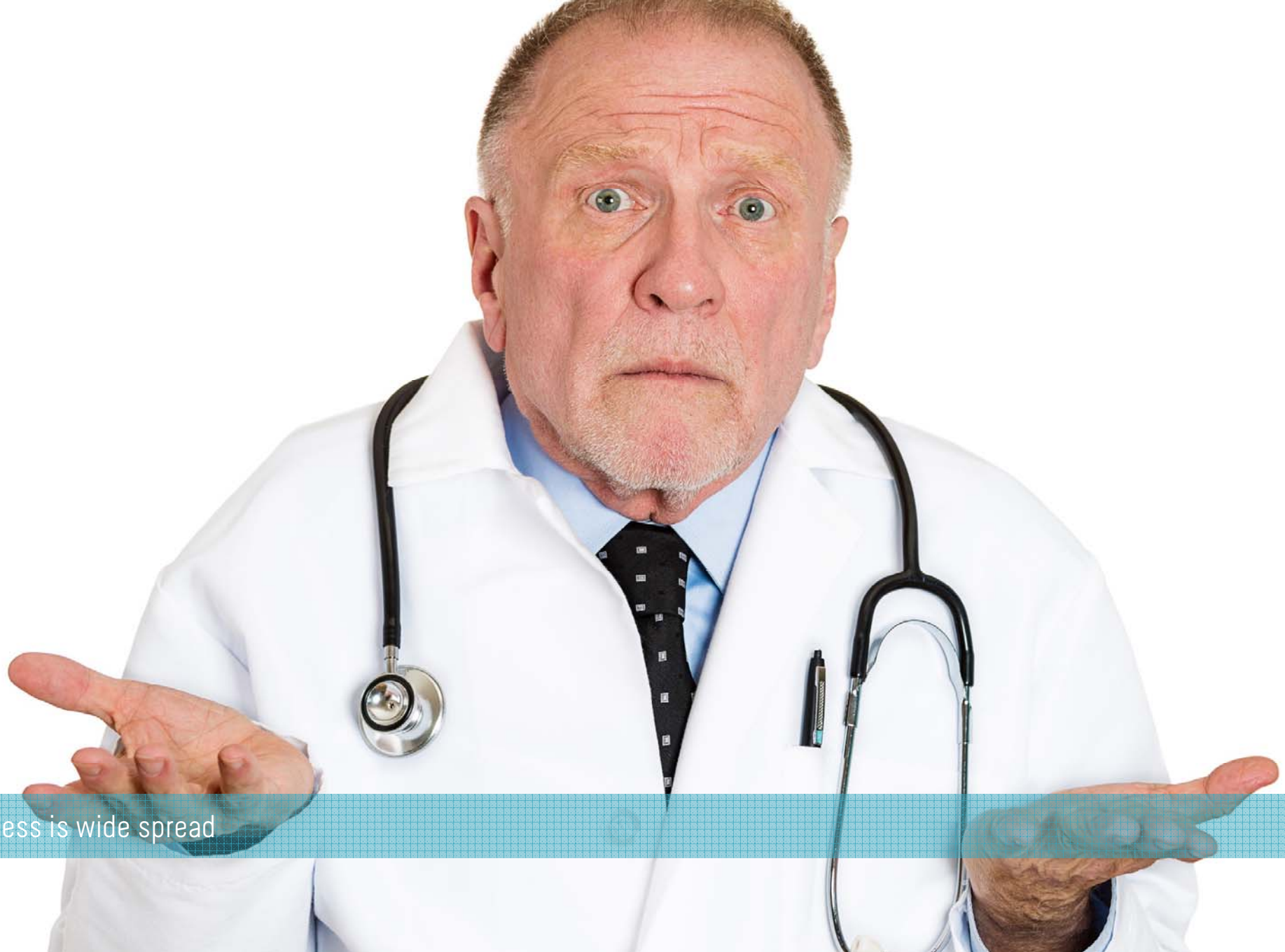


iShrine: The One Access Point for all things you.

6. The future is not linear.

From digital cluelessnes to successfull business models

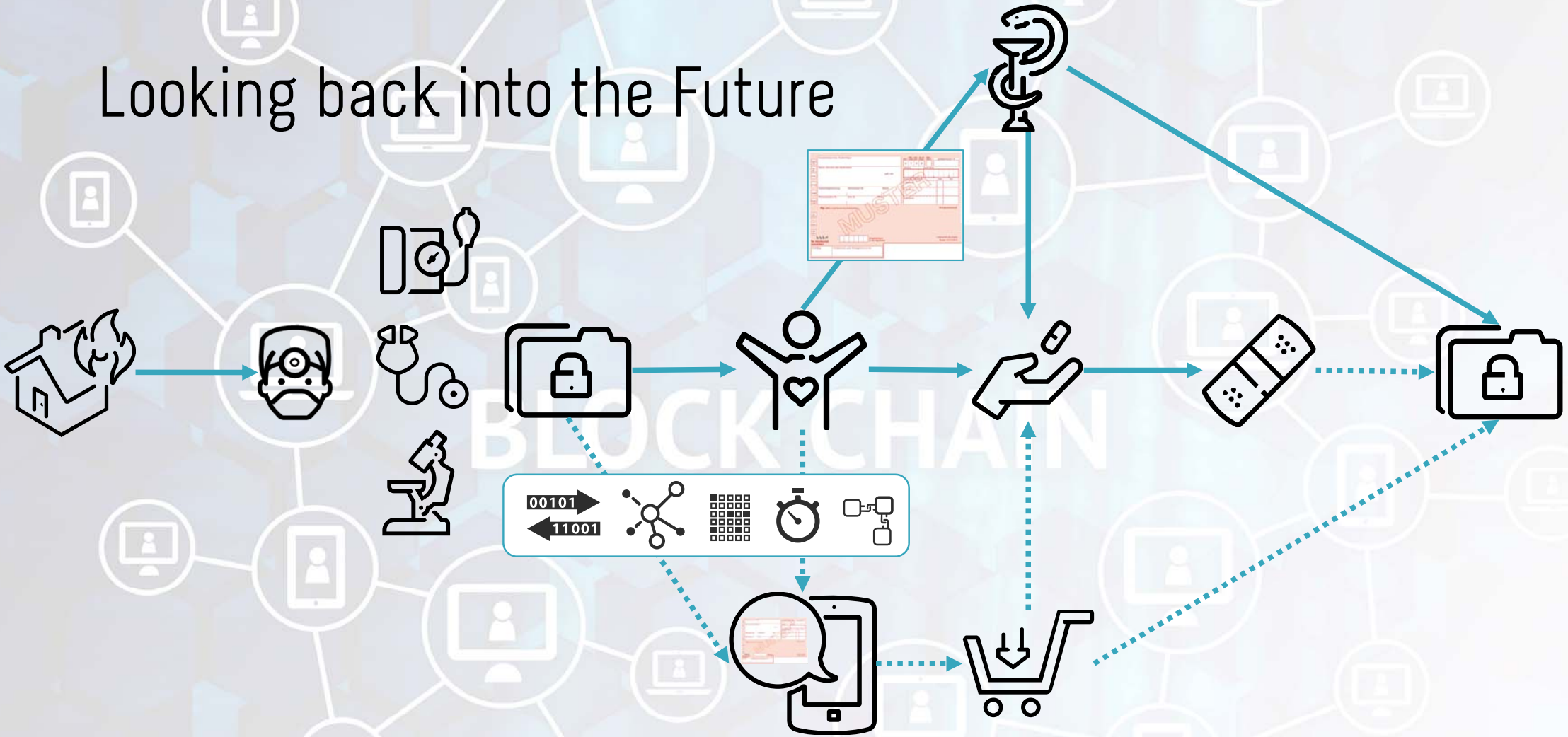
Faster Horses, Brighter Candles, Deeper Basements



Digital Cluelessness is wide spread

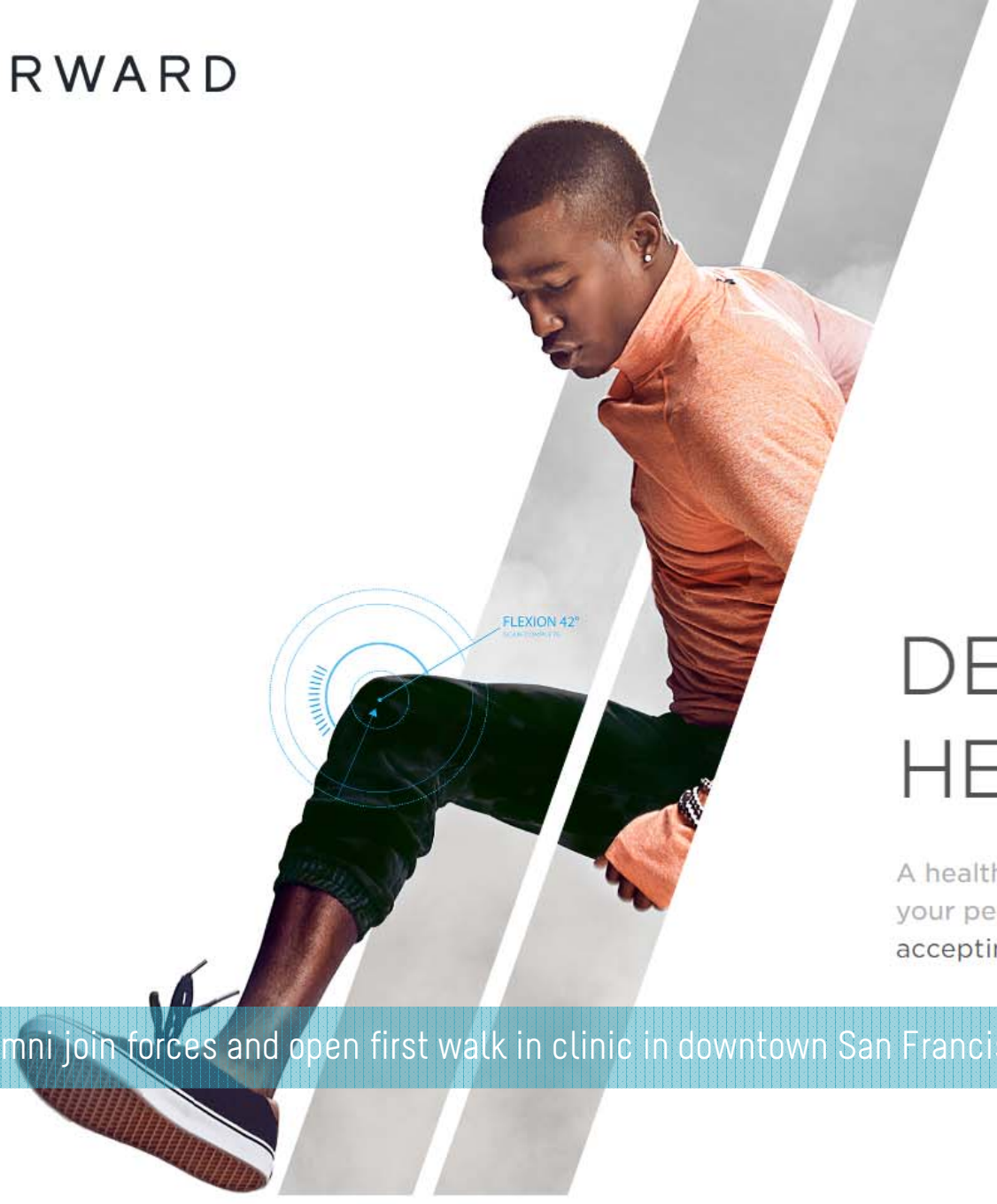
Technology

Looking back into the Future



Digital Transformation in Healthcare is still at ist beginnings. It is more about politics than about technology.

FORWARD



DESIGN YOUR HEALTH

A health membership built for you with access to your personal doctor and the latest technology. Now accepting members in SF.

Google and Uber Alumni join forces and open first walk in clinic in downtown San Francisco.

The only constant thing is change – you'd better embrace it.

Possible Disruptors come from everywhere hunting for new business opportunities – and most of them are data based.

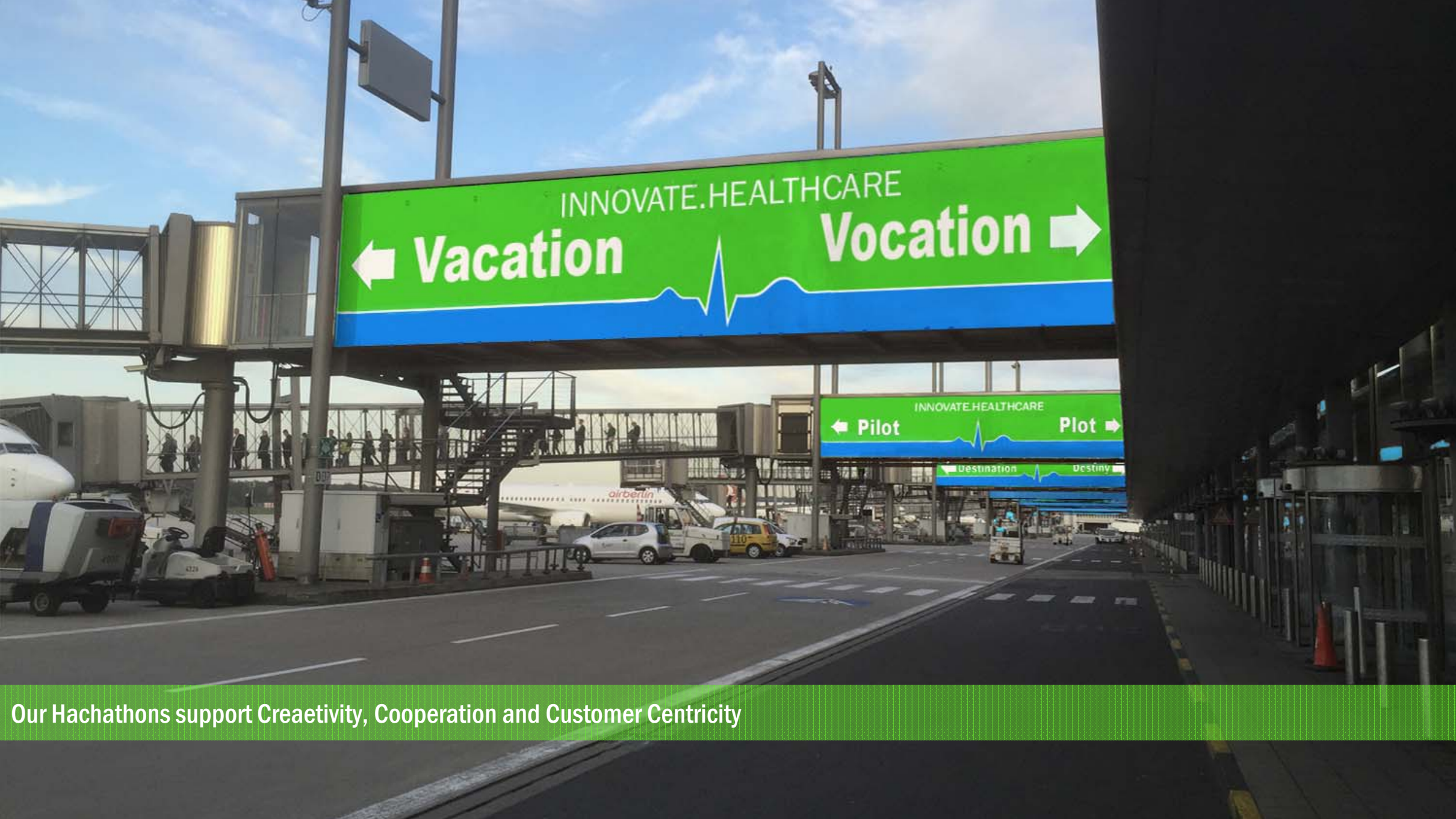
7. She who wants the change the future needs to act. NOW!

We are not too late for the future, but we might be too slow.

HEALTHCARE FUTURISTS

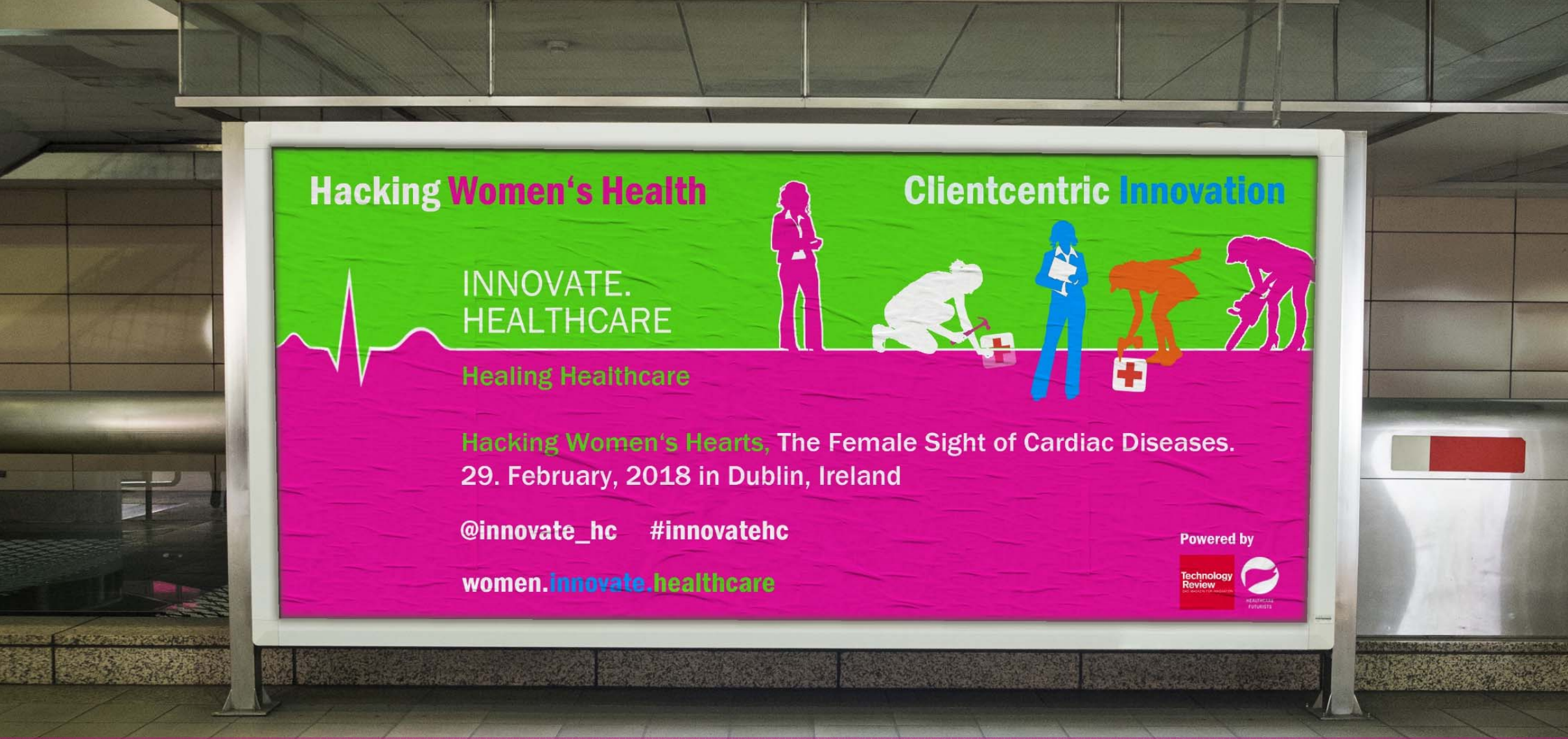
Crossindustry Collaboration fuels Innovation

New ideas come at a price. It is an art to take them on and implement them fast.



Our Hachathons support Creaetivity, Cooperation and Customer Centricity

Innovate.healthcare goes Munich – Hands on Health 2017 – Your opportunity to look at innovation when it happens



Clientcentric Innovation: Hacking Women's Hearts

afib.innovate.healthcare
For Patients. For Professionals. For Life.
INNOVATE.
HEALTHCARE
Feb. 29th, 2018 in Berlin
Hacking Atrial Fibrillation in patientcentric workshops
#innovatehc
@innovate_hc
Powered by
aescuvest
HEALTHCARE FUTURISTS

innovate.healthcare goes Country – Rural air alleviates disease symptoms – Hacking Rural health

Hackathons are part of our success story

1

Working through Challenge

2

Teamwork and Transdisziplinarity

3

Mentoring and Coaching

4

Real world Cases

5

Try out and convince

6

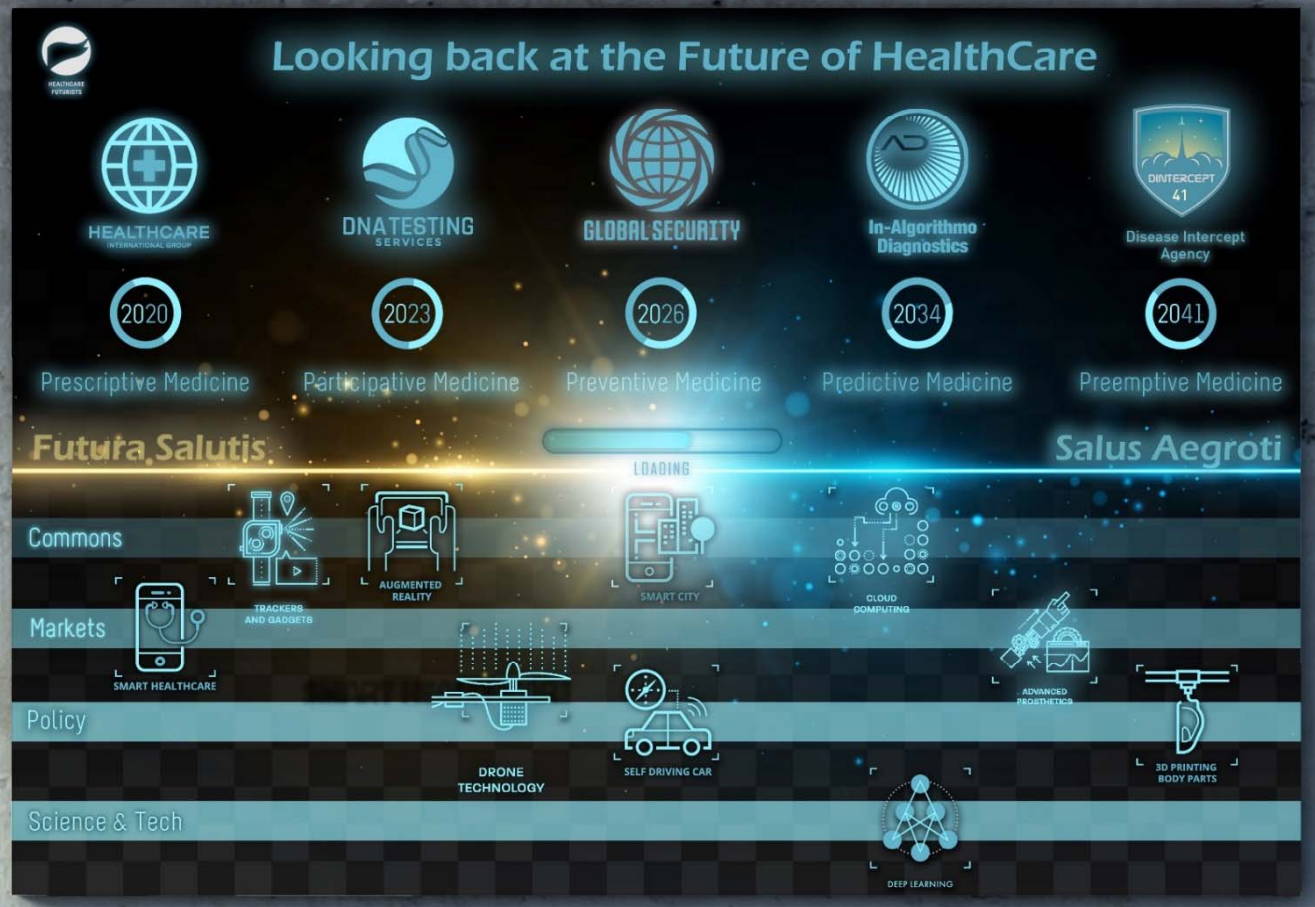
Winning and Founding

HealthCare Innovation Week, January 2018 in Düsseldorf, Germany: Congress, Convention, Hackathon

15 Experts, 90 pages on hot topics and trends in Digital Transformation in Healthcare. For a free copy please contact us.

Digital Transformation in Healthcare can help us support docters to do what they should be best and unique at: Being human!

innovate.healthcare goes Zurich – Remaking the Future of Healthcare – Your opportunity to look at innovation when it happens



Finally: The Vision about the Future of HealthCare.

info@healthcarefuturists.com
www.healthcarefuturists.com

Follow us on Twitter
@HCareFuturists

Operations Office
HealthCare Futurists GmbH
Stadtwaldgürtel 13
50935 Cologne
Germany

Politics Office
HealthCare Futurists GmbH
Rathausufer 23
40213 Düsseldorf
Germany

Bridgehead Office
HealthCare Futurists Ltd
Lanyon Quay - 1 Donegall Quay
Belfast BT1 3LA
United Kingdom

Today we are going to change yesterday's plans for tomorrow

HEALTHCARE
FUTURISTS