



Opening & Welcome

↳ Dr. Mairéad O'Driscoll
CEO HRB



Theme 1: SETTING THE SCENE

↳ Dr. John O'Neill

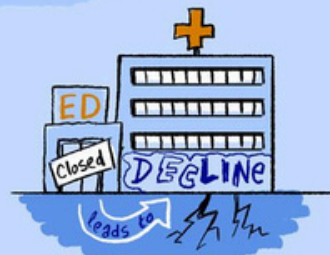




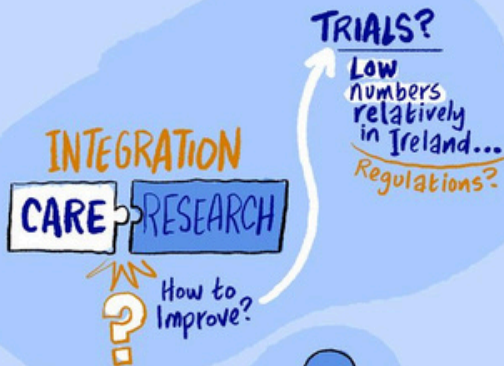
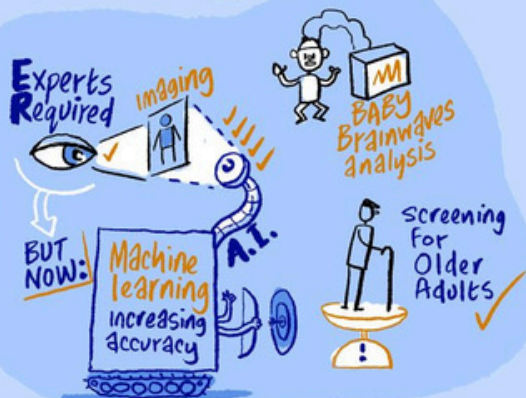
Are we
ready
for what's
coming?



Dutch Society:
HIGH EXPECTATIONS
A Safe
Collaborative
Environment?







Discussion Session

Q. **41. Barriers
TOP 3?**

Clinicians
couldn't
Lead
Research
Grants...
So fix was
Found



I.P.?

Not so
Common
Outsourced
Support ✓

Q.

Netherlands
Primary
Community
Care

Sharing ✓
Digitalisation ✓
1 SYSTEM

Ireland
one
Centre
per **1m**

Netherlands
one
centre
per **2m**

MUCH
BETTER
RESULTS!

**Patient
Organisations**
→ FIT into
AHSS?

harnessing
Lived
Experience



Research
BRINGS
money
but
also
COSTS
money



Q. **GDPR
Challenges?**

Interpretation
issues in
Ireland

Conservative...

Not so
much in
N.I. & U.K.



**Transparency
is KEY**



Checklists
& Systems
Help...

LEADERSHIP

Training
& Skills
Required

Bringing it
up **EARLY** in
career

→ **SPACE**

→ mentorship

→ ENCOURAGEMENT



This
way!

Q.

**Career
Tracks?**

Broader
Skills
Necessary...

HR systems?



also
Getting
the right
Skillsets

What you need
to get the job
DONE

e.g. programmers





IMPLEMENTATION science

consider
at the Beginning...



Making
it Happen

Bringing
RESEARCH
to life

we need to
embrace
**ENTIRE
SCOPE**
of Implementation
Science



170 models
but we
tend to focus
very
NARROWLY
NOT enough
EXPERTS

Embodied
Innovation
Research

→ start at
Beginning...

With
not
For



✓ **IN THEORY**
in practice

ENABLERS
&
BARRIERS



SCORVY
95 years
to solve
dissemination
issues



Vitamin C
Actually.

Avoiding
Innovation
for the
sake of it...

reducing
COSTS
reducing
risk of
FAILURE

U.L.
Centre

encouraging
uptake of
implementation
programmes



**RESPOND
HOUSING**
Community
not just
housing

Upskilling
Practitioners



**BIG
DEMAND
SUDDENLY!**

we need to
meet that
need **HERE &
NOW**



A new era For
Genomics in
Ireland
↳ Dr. Laura Whelan

2018
EU Genomes
Initiative
access to
1m genomes

2022
Ireland
JOINS

Federated
Databases

Cross EU
Access



IPPOSI

Lets have
a national
Database!



Increasing
chance
of
Diagnosis

①



FOCUS on
Investment

②



Proof of
Concept

③



Return
on
Investment

HUGE
DATASET

other
unsolved
cases being
widely
examined

to Fully
Available
access

EXAMPLE CASE

Sarah
John
Killian



From
one-off
tests

CONSENT



Using secondary Data to
Address Comorbidities and
Improve Population
Health and Wellbeing
↳ Dr. Sonya Deschênes

Challenges
of Mental
Health
+
Physical
Health
Co-morbidities



OFTEN:
Bi-directional
Relationships

e.g.

Depression
& Diabetes



High
in
Ireland...



Globally
this is
an issue



Lots of

Long-term,
Longitudinal

High
Risk
Sub-groups
Health
disparities

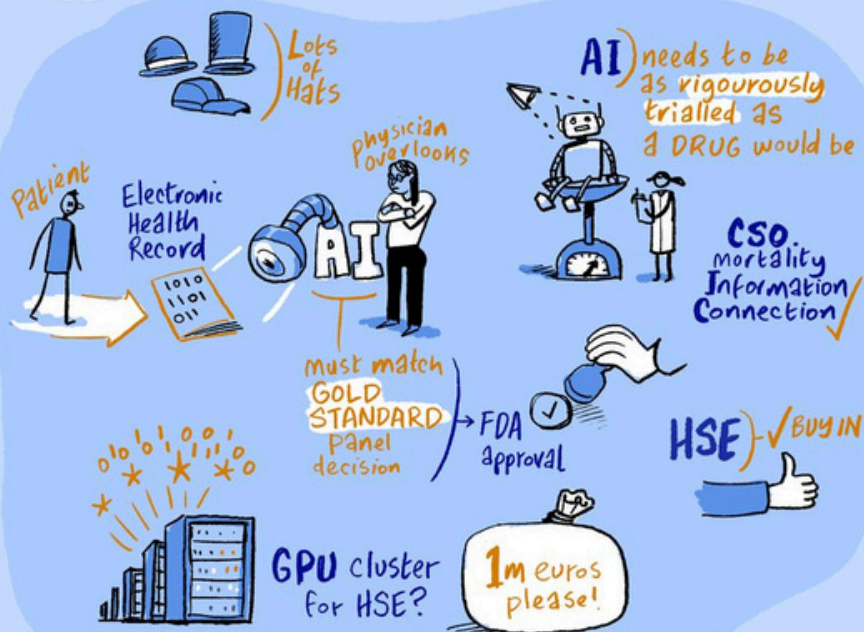


Insights
& Opportunities



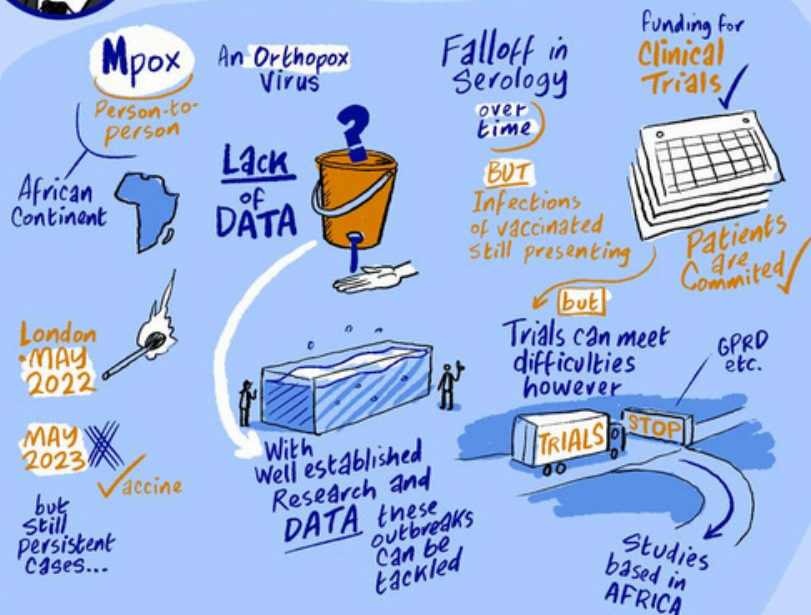
Testing Artificial Intelligence Interventions with Pragmatic Trials

↳ Dr. Conor Judge



Emerging Global Health Threats - How can Ireland React?

↳ Professor Eoin Feeney



Discussion Session

Q.

Acknowledge
ECOSYSTEM
Challenges

- (e.g.) - GDPR
- Ethics Committees

to
Maximise
Funding

apply a
LOGIC
MODEL?



Q.

AI surpassing
GOLD standard?

Evidence Based Medicine VS Personalised Medicine



Implementation
Science
on an
Undergraduate
Level

Doctors
of the
FUTURE



Q.

Mental health
Co-morbidities

what's
next?

LOOKING
at a
Country
Level



Consent

Retrospective
Data

Interpretation
of GDPR

Educate the
PUBLIC
not just the
PATIENT



Societal
Benefits



Q.

AI and
Clinicians

Phase 2
trial

Phase 3
trial



AI
Can help
here pragmatically
removing WASTE

A Network
of the
Networkers



The Key People
Conference

Working
together in
a different
NEW way

Recognising the
world has
Changed...



the
National
EHR?

Connecting
Genomics
research

with
Clinical
research

inc.
Molecular
Information

Research that
delivers **BETTER
HEALTH
outcomes**

Proactive
Approach ✓

**BIG
IMPACT** ✓



BMJ
50th year of
First
Randomised
Trial **Streptomycin**
1948




Patients
the
**KEY
ELEMENT**
of Research

**Heart
Watch**
Money
saving
Medical
Intervention
**Living
Better**

Access
to Health
care) **Cost** as a
barrier
to
Access

Out of Hospital
Cardiac **ARrest**

HRB Primary Care
Clinical Trials ✓



**the
FUTURE
2050**
3P_s
→ **PATIENTS**
→ **PEOPLE**
→ **PAPERS**
IT Infrastructure
safe Data
People
Projects
Only Blockage
is **FUNDING!**



Round Table Discussion

Discussion CONTEXT



**YOUR
VOICES**



- Evidence Based Research & Policy
- Ensure Meaningful Public & Patient Involvement
- Non-private sector areas Funded
- More Joint Appointments Internationally
- Multi Centre Clinical Trials
- Streamline Application Processes
- Broker between researchers and agencies
- Secure Data Access
- More HSE Engagement
- Collaborational Educational Institutions
- Low + Middle Income Countries
- Research Infrastructure a Challenge... but not Sustainable
- Freeing up Funding for ACTIVITY
- NDP? Co-ordinated National Approach
- Ethics and GDPR



- Ethics & Regulation
- GDPR Interpretation
- Open Access in Publishing
- Equity in Funding
- Aligning with EU Priorities
- Food Security
- Applications to HRB Plummeting... A FRAMEWORK
- Discovery vs Applied Research
- Prevention
- An Enabling View of Research
- Blueskies Research



- Communicating IMPORTANCE of Research to WIDER PUBLIC
- This informs YOUR Healthcare
- Shift to new Research Models
- Community Based
- Lost Research Applicants: DATA Lost!
- building on Communities & Networks
- Resilience / Agility
- Health Inequalities
- Highly Destructive to Society



- Allowing for DISCOVERY SCIENCE
- Broadly BUT...!
 - Key areas
 - mental health
 - smaller populations
- Data Systems
- Workforce & Career Development
- People Led networks
- Avoiding Duplication of Funding
- COLLABORATION! COLLABORATION!