Hacking AMR 2019

13-15 December 2019, Stockholm, Sweden

Mentor package

jpiamr

Joint Programming Initiative
on Antimicrobial Resistance

Welcome to Hacking AMR 2019!

First, the Hacking AMR organizing team would like to thank you for being a mentor. Your presence and commitment will contribute directly to the quality and originality of the event, to team motivation, and to the quality of projects.

The goals of the event are:

1. to use the Digital World to challenge and disrupt conventional antimicrobial resistance (AMR) Research models;
2. to design new ways to get the most out of the AMR research innovations;
3. to find breakthrough solutions to the AMR challenge;
4. to raise awareness about important issues, and;
5. to bring people together under a common goal.

After the hackathon, we are hoping that teams will take their innovative digital work product/ mock-up/prototype and subsequently refine, improve, and scale it.

As a Hackathon mentor, you will play a role of paramount importance. You will give participants the tools, knowledge and assistance they need to succeed in transforming their ideas into practical and useful solutions.

Although most participants will have some expertise in AMR, teams will have a mix of skills. The profile of participants during this hackathon will be:

- Young AMR researchers from all areas of One Health
- PhD and/or Post-Docs
- Social scientists
- Developers
- Designers
- AI
- Computational science
- Digital literacy experts
- Tech Industry experts
- Data analysts
- Programmers
- Graphic designers
- Entrepreneurs
- Innovation
- Legal
- Private sector
- Policy
- Funding agency

This mentor package serves as your guide to be a successful mentor during Hacking AMR 2019.

Tips on Mentoring during Hacking AMR 2019

Mentors will have the responsibility of making themselves available to teams to answer their questions, help them quickly resolve specific problems, advise them, and challenge them.
Your role will therefore be to:

1. Stimulate and encourage

In the collaborative spirit of the event, you will be expected to encourage participants, to highlight their efforts, to motivate them to progress quickly and surpass themselves.

Given the length and complexity of the competition, teams will experience ups and downs and loss of morale. The mentor will be there to help them overcome obstacles and get them back on track.

2. Advice participants

You will provide teams with feedback and suggestions and comment on how to advance their project. What are the next steps? How can the team improve their project?

Additionally, many participants will have specific questions about your area of expertise and will reach out to you on a rolling basis.

3. Dive in

Some teams will have weaknesses in one of your areas of expertise. You will be called to fill these gaps by getting extra involved with certain team, joining them part-time.

Design a logo, introduce the clinical context, connect them to the working world, improve their final visual presentation... there are many ways to work effectively.

Also, be sure to intervene quickly when necessary to rescue teams from venturing down the wrong path!

What to Expect: Weekend Agenda

Hackathons are fast-paced, intense, and super fun events! The upcoming event will start on Friday evening, and continue to Sunday. Note: the schedule below is subject to change.

Friday December 13

17:00 Registration opens, food and networking
18:00 Opening speaker
18:30 Meet the mentors
19:00 Opening ceremony
19:15 Pitch clinic
20:00 One minute pitches of projects ideas posted on Sparkboard
20:30 Team formation and networking
22:00 End of Day 1

Saturday December 14

08:00 Team meetings
09:00 Hacking starts
12:00 Lunch & judging criteria presentation
13:00 Hacking
17:00 Dinner
21:00 End of Day 2

Saturday December 14

08:00 Team meetings
09:00 Hacking
10:00 Pitch clinic
12:00 Hacking ends and lunch
13:00 Final pitching to judges – 4 minute pitches with 3 minutes for questions
14:00 Judges deliberate
14:30 Announcement of Hackathon winners
14:45 Closing remarks
15:30 Hackathon closes

Judging Criteria

Part of the fun of a hackathon is the competitive element. Teams are trying to win the hackathon and mentoring prizes. Nevertheless, for Hacking AMR 2019, we are prioritising collaboration and impact towards Virtual Research Institute directives.

The teams will be evaluating using the DFVI framework.

1. Stimulate and encourage – 25 points

- Has the solution taken into account the user's needs?
- Will users actually want to use this? Is it sticky?
- Has the team thought about how they will test with their end-user groups?
- Is it innovative and original?

2. Feasibility – 25 points

- Is implementation actually possible from a technical, process or change management perspective?
- Has real potential with likelihood for adoption and scale.
- Level of insight the team has into how this solution can be deployed.
- Does the solution have a real-world applicability?
- Is the solution taking into account resources limitations, capabilities, health care infrastructures, geographical settings, as applicable?

3. Viability – 25 points

- Quality of the design/user interface/user design (UI/UX).
- Has the team thought about a business model that may work?
- Is there a clear path to sustainability?

4. Impact – 25 points

- Who will the solution impact?
- What is the degree of this impact?
- Extent of the impact the solution can have on AMR.

Bonus points

The teams that demonstrated the highest quality of their presentation may be allotted up to a maximum of 10 Bonus points. Bonus points may be given to a maximum of 3 teams. The presentations should be done in a way that can be understood by a general audience.

The Virtual Research Institute (JPIAMR-VRI)

The Challenge – Antimicrobial Resistance (AMR)

- Resistant bacteria know no geographical boundaries.
- The rising threat of antibiotic resistance urgently requires a One Health holistic and multi-sectoral approach.
- There is a lack of AMR research collaboration, coordination, and sharing of knowledge, data and resources, on a global scale.

About the JPIAMR-VRI
The JPIAMR-VRI is a virtual platform to connect research networks, and research performing institutes, centres and infrastructures beyond sectorial and geographic boundaries in a larger global network under JPIAMR topics in a One Health approach.
JPIAMR-VRI is envisioned as a dynamic network of AMR research facilities that will change the way resources are shared and used, and will ensure a closer and continuous dialogue among researchers and others stakeholders.

Why a VRI on AMR?
JPIAMR, the largest joint venture in research coordination and support for AMR, recognises a need to implement a global alignment of AMR research. The JPIAMR-VRI will strengthen partnerships, facilitate innovation and avoid duplication. It will address the spread and burden of AMR.

Aim of the JPIAMR-VRI
By connecting the global scientific community along the six pillars of the joint Strategic Research and Innovation Agenda, the JPIAMR-VRI will provide an unprecedented level of knowledge exchange, facilitate the analysis of knowledge gaps, increase capacity, improve coordination, implement breakthrough collaborative research and increase the visibility of the research performed. It will bridge borders and disrupt barriers between fields of AMR research through the formation of a virtual "corridor" - facilitating alignment of strategies, and the production and sharing of scientific evidence. Supporting the development of policy and guidelines - to reduce the global burden of AMR.

AMR Research Capacities

Connecting: Bridging Partnerships, Collaborations, Forums, Workshops, Webinars

Access: Enabling Global Access, Mappings, Frameworks, Blueprints, Expertise, Knowledge Transfers, Structuring.

Data sharing: Online Sharing Platforms, Libraries, Catalogues

Scientific Innovation: Building Evidence in all One Health domains of AMR, including human and animal health and the environment.

Capacity Building: Training, Virtual Education, Train the Trainers, Exchange Programs

Awareness: Developing and Sharing research results, Promoting AMR in the Global Agenda

The First Funded Networks
In 2018, JPIAMR funded eight Networks to develop activities to build the foundation of the JPIAMR-VRI.
In early 2019, at a workshop in Amsterdam, the Networks coordinators gathered and initiated the work and the formation of the JPIAMR-VRI.

2018	2019	2020	2021
First Funded Networks	Design and Development	Implementation and Launch	Operations and Evaluation

JPIAMR	VRI

Joint Programming Initiative on Antimicrobial Resistance, JPIAMR

The Joint Programming Initiative on Antimicrobial Resistance (JPIAMR) is a global collaborative platform and has engaged 27 nations to curb antibiotic resistance (AMR) with a One Health approach. The initiative coordinates national funding to support transnational research and activities within the six priority areas of the shared JPIAMR Strategic Research and Innovation Agenda – therapeutics, diagnostics, surveillance, transmission, environment and interventions. To date JPIAMR has supported research and network projects, with funding of approximately 67 million euro.

The JPIAMR is currently developing a platform to extend shared research capabilities on a global scale through the Virtual Research Institute (JPIAMR-VRI).

Hacking Health

JPIAMR has commissioned Hacking Health to organize a hackathon and facilitate your experience in helping us tackle AMR.

Hacking Health is an international non-for-profit organisation born in Canada that catalyses collaboration by empowering stakeholders to build innovative and meaningful solutions to healthcare challenges. The organisation has 40 vibrant chapters across the world on 5 continents.

Hacking Health's goal is to promote greater innovation in healthcare through collaboration by putting physicians and healthcare professionals at the centre of the innovation process. Hacking Health aim to create spaces for collaborative, interdisciplinary experimentation and brings together physicians, health professionals, patients and technologists to work together to tackle tangible frontline problems with creative solutions.

Hacking Health organises innovation competitions such as hackathons and design challenges, as well as cafes, conferences, clinics and workshops. All these events bring the healthcare and technology ecosystems together to connect, brainstorm and build creative solutions. Since 2012, Hacking Health has organised 150 health focused hackathons and design challenges across the globe. Moreover, the events have brought together over 12,500 people and allowed teams to work on over 1,500 projects to find concrete solutions to problems in healthcare. Hacking Health is the only organization that can claim this.

Hacking Health partners with hospitals, universities, research institutes, associations, and other organisations on an ongoing basis to develop projects and foster a culture of constant and open innovation.

To learn more about Hacking Health, please visit: www.hacking-health.org

HACKING HEALTH
BRINGING INNOVATION TO HEALTHCARE