

IHI Call Days | Call 9

- FAMBA: AN INTERNATIONAL SURVEILLANCE AND DATA ANALYTICS PLATFORM FOR PREVENTION OF EMERGING PANDEMICS

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Link to the IHI brokerage platform:

- [https://ihicalldays2024.converve.io/index.html?page=ed_profile¶ms\[tab\]=networking](https://ihicalldays2024.converve.io/index.html?page=ed_profile¶ms[tab]=networking)

Challenges and objectives

The problem

Emerging infectious diseases like Dengue, or SARS-CoV2, are major global health concerns.

The IHI specific objective

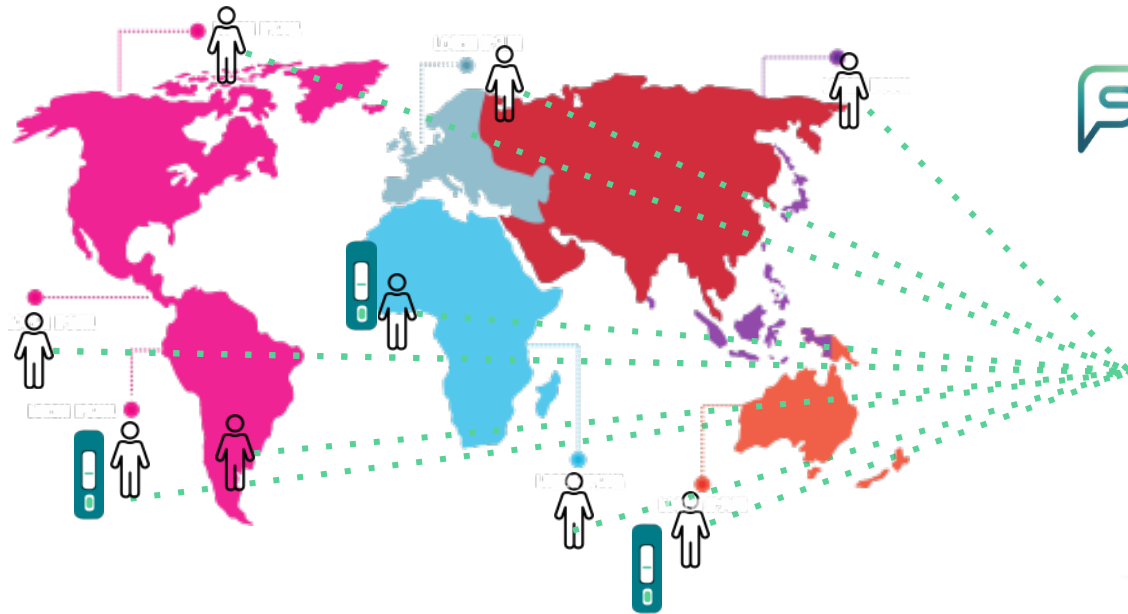
SO2, by integrating digital health, data science and nanobiosensors markets.

The unmet need

Critical need for real-time surveillance and monitoring systems to improve disease outbreak management through faster detection of emerging threats.



Our Solution: Famba



 **famba**
By Hospital Clinic Barcelona



- Enhanced Telemedicine Platform for International Travellers
- Data collection – Artificial intelligence/Predictive Algorithms
- Travel-adapted Rapid Diagnostic Tests

SAFE PLATFORM
Surveillance And Forecasting System For
Emerging Threats

Is your project suitable for IHI?

- **Multidisciplinary project integrating:**
 - Digital health
 - Data science
 - Biomarker and sensor development
- **Academic and industry partners to develop and implement medical devices on an international scale:**
 - Sophisticated algorithms for predicting emerging diseases
 - Integrating sensitive, adaptable sensors into traveler-friendly point-of-care rapid tests
 - Deep understanding of travelers' needs
 - Putting together travel industry, data science, digital health and biosensor markets

Outcomes and Impact

- Traveler-based telemedicine platform, designed to enhance the health of international travelers
- Real-time digital surveillance system
- Travel-adapted biosensors for quick detection of emerging infections
- Integrating the above to improve disease outbreak management through faster detection of emerging threats.

Expertise and resources

- We have:
 - Medical expertise
 - Nanobiosensors development
- We are looking for:
 - Artificial intelligence
 - Digital Health
 - Rapid test development
 - Social sciences (implementation science)
 - Travel industry stakeholders (travel insurance, travel agencies)

