PR3 Researchers

Many ISGlobal researchers conduct relevant research on PR3 areas:

1. Elisabeth Cardis: lessons learnt from prior disasters, development of all-hazards strategies (protocols, data collection tools, ethics and security) for preparedness and response, including medical and health surveillance and epidemiology, stakeholder involvement and co-creation.
2. Elizabet Diago: capacity building and evaluation of health systems preparedness and response to high consequence infectious diseases.
3. Xavier Rodó: bioaerosol microbial surveillance and development of alert systems of health threats. Early warning systems based on computational models for disease prediction at global-to-regional scales (airborne diseases, vector-borne diseases). Climate impact models development, calibration and skill assessment.
4. Ivana Cvijanovic: warning systems for climate-driven disasters, impact assessment.
5. Joan Ballester: development of operational health early warning systems of ambient temperatures and outdoor air pollution, and integration of novel digital streams for the surveillance and prediction of winter infectious diseases.
6. Davide Rasella: development of a comprehensive pandemic preparedness platform for LMIC that incorporates a diverse range of vulnerabilities and degrees of acceptability/hesitancy for mitigation/control interventions.
7. Megan Naidoo: incorporating social vulnerability measures into tools (indices and mathematical models) used for pandemic preparedness.
8. Jose Muñoz/Alex Almuedo: international Health. Infectious diseases surveillance research through travelers health monitoring. Surveillance of the introduction of arboviral diseases in Catalonia. Hospital capacity building for high consequence infectious diseases preparedness and response.
9. Jeffrey V Lazarus: creating consensus among diverse stakeholders, engaging communities and strengthening healthcare systems capabilities for preparedness and response.
10. Quique Bassat: development of rapid prognostic tests for agents potentially causing severe diseases.
11. Carlota Dobaño/Gemma Moncunill: development of approaches for measuring exposure to certain pathogens based on detection of antibodies. Identify immunogenic antigens for vaccine development and to identify protective responses and durability of protection of vaccines. Herd immunity - assess the response to vaccines and infections in the population.
12. Manolis Kogevinas/Gemma Castaño: repurposing cohorts studies for disaster health surveillance (COVID-19).
13. Elisa Sicuri: evaluation of short- and long-term impact of exogenous shocks.
14. Ana Requena: identifying vulnerable populations in a crisis and developing interventions.
15. Cathryn Tonne: development and communication of evidence of the health impacts of climate change and respond to the urgent need for solutions.
16. Mark Nieuwenhuijsen, Carolyn Daher, and Carlota Sáenz de Tejada: urban preparedness: work to provide evidence-based strategies for local and urban preparedness and response. Health impact assessment of urban planning and policies.

ISGlobal

About ISGlobal

The Barcelona Institute for Global Health, ISGlobal, is the fruit of an innovative alliance between the "la Caixa" Foundation and academic and government institutions to contribute to the efforts undertaken by the international community to address the challenges in global health. ISGlobal is a consolidated hub of excellence in research that has grown out of work first started in the world of health care by the Hospital Clínic and the Parc de Salut MAR and in the academic sphere by the University of Barcelona and Pompeu Fabra University. Its working model is based on the generation of scientific knowledge through Research Programmes and Groups, and its translation through the areas of Training and Analysis and Global Development. ISGlobal has been named a Severo Ochoa Centre of Excellence and is a member of the CERCA system of the Generalitat de Catalunya.

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