

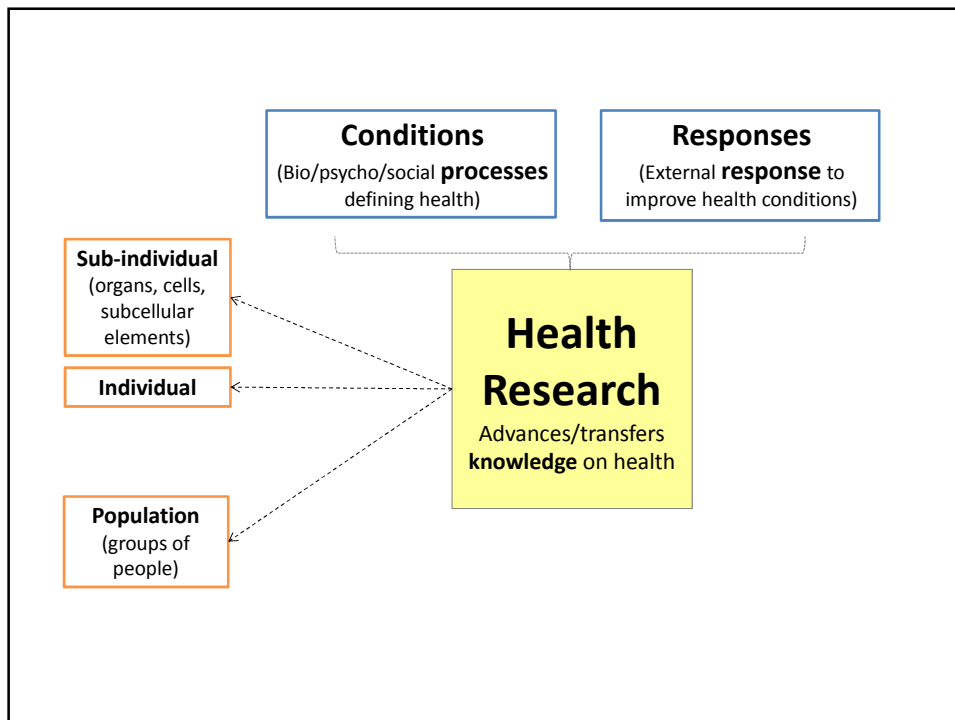


The role of **Research Centres**
in graduate and undergraduate
Medical Education and Training (E&T)

Future perspectives

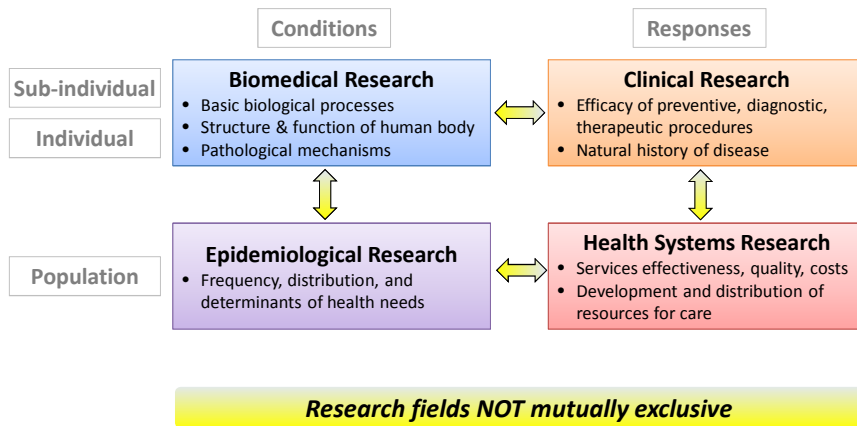


Research Centre on Environmental Health – FMUL
(Instituto de Saúde Ambiental – FMUL)



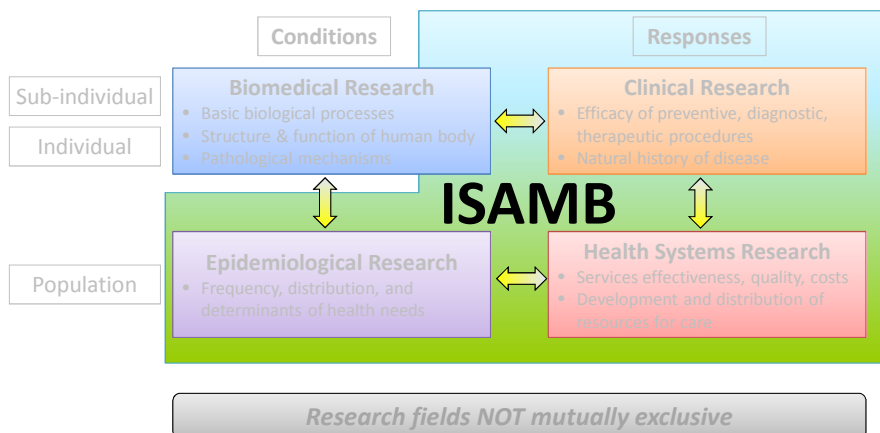
Health research fields


Crossing [Levels X (Conditions & Responses)]



Adapted from Julio Frenk (1993)

ISAMB — Instituto de Saúde Ambiental - FMUL
 Research Centre on Environmental Health - Faculty of Medicine / ULisboa





— Instituto de Saúde Ambiental - FMUL


Research Centre on Environmental Health - Faculty of Medicine / ULisboa

Vision

- Internationally competitive and nationally relevant centre
- For research, education & training, innovation and outreach
- Focused on **Environmental Health**

Thematic strands

- Dedicated to **Environmental Health** in a changing world
- Promoting
 - **Innovative** health protection/promotion and medicine
 - **Disease intervention** and healthcare
 - **Engagement with Society**
- **Special emphasis**
 - Health inequities and vulnerable populations



— Instituto de Saúde Ambiental - FMUL

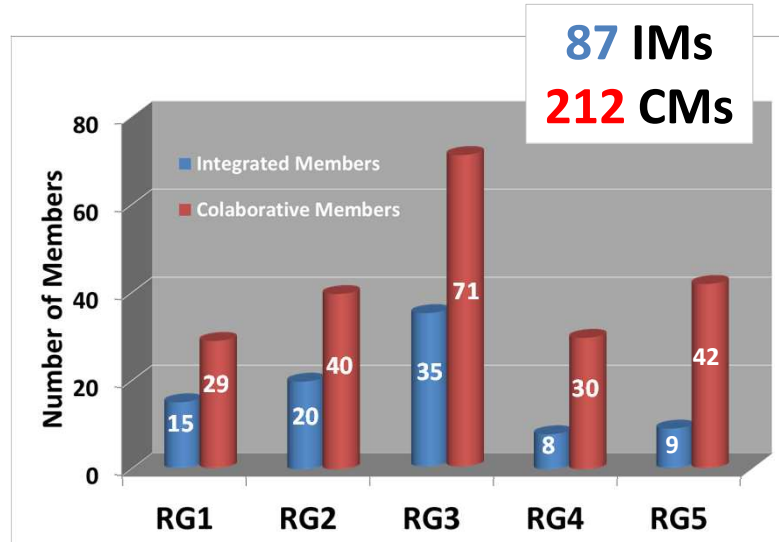
Research Centre on Environmental Health - Faculty of Medicine / ULisboa

Thematic strands

- Environmental Health in a changing world
- Engagement with Society
- Innovative health protection/promotion and medicine
- Disease intervention and healthcare
- Inequities and vulnerable populations

	Research	Knowledge transfer
Research Groups	RG1 - Environment, Family Health and Society <ul style="list-style-type: none"> • Healthy living and active ageing • Care systems fit • Climate change • Family health in the primary healthcare context 	Education & Training Economic & Social Innovation Diffusion, Dissemination & Outreach
	RG2 - Supportive Environments <ul style="list-style-type: none"> • Benefits from exploring environment & modifiable lifestyle factors • Disease prevention / health promotion interventions <ul style="list-style-type: none"> – smoking prevention/control, food safety, physical activity, occupational health – green and inclusive cities (migrants, other vulnerable groups) • Methods' development. (eg. human biomonitoring when adequate) 	
	RG3 - Environment and Non-Communicable Diseases <ul style="list-style-type: none"> • Environmental factors and main non-infectious diseases and conditions • New or more effective diagnostic and therapeutic strategies: <ul style="list-style-type: none"> – potential of transfer to practice and policy implementation – significant impact in quality of patient's life, public health, healthcare services. 	
	RG4 - Environment and Infectious Diseases <ul style="list-style-type: none"> • Vector borne diseases (entire chain of infection) • Climate variation associated with agent-host infectious disease dynamics and the impact of extreme weather events • HIV infection, antiretroviral treatment and associated infections 	
	RG5 - Ecogenetics and Human Health <ul style="list-style-type: none"> • Interaction of environmental factors on individual's genetic pool & vice-versa • Leading behavioral factors acting on this complex interaction <ul style="list-style-type: none"> – diet, tobacco, alcohol and coffee consumption – light and noise – environmental exposure to virus 	
	Flagship Projects <ul style="list-style-type: none"> • Environmental support for healthy living and independent and active ageing • Families Panel / Multiple cohorts for Environmental Health Assessment (Migrants, ...) 	

How many are we?



What are we doing?

ISAMB's consolidation (R&D)

1. Networking / Partnership

- ISAMB's Groups and R&D Lines
- Other national/international institutions

2. Definition of flagship Projects

- Encompassing ISAMB's Groups and R&D Lines

3. R&D fundraising

- EEA Grants and Horizon 2020

4. Supportive structures (Management Office)

- R&D backing (administrative / financial / technical)
- Communication (ISAMB and external)

What are we doing?

Capacity building for E&T

1. PhD Program “EnviHealth&Co” (FCT/FMUL)

- To be developed in **Industry Settings**
- Co-funded by **FCT** and **Industry**
- FCT scholarships approved ► **24**

2. Master Course “E&OH”

- **Environmental & Occupational Health** and crossing areas
- Field work ensured in **ISAMB, Industry, Services, NGOs**

3. Short Advanced Courses

- Continuing Education & Training (sharing **existing** & **new** offer)
- Health and related professions (open to **ISAMB** & **outside**)

Which perspectives?

Students (Graduate/Undergraduate), Health Professionals

- High-quality research-led education in **E&OH**
- Vast opportunities to participate in the **ISAMB’s R&D**
 - To gain knowledge, skills, competencies in the broad **EH domain**
 - To handle **E&OH** problems (national/global **needs, priorities**)
- High-level support to develop
 - Graduate, MSc, or PhD **Theses**
 - **Social-** and/or **business-relevant** Projects
- Unique skill-set to successful national/international career (in rapidly **developing** professions and **new** exciting areas)