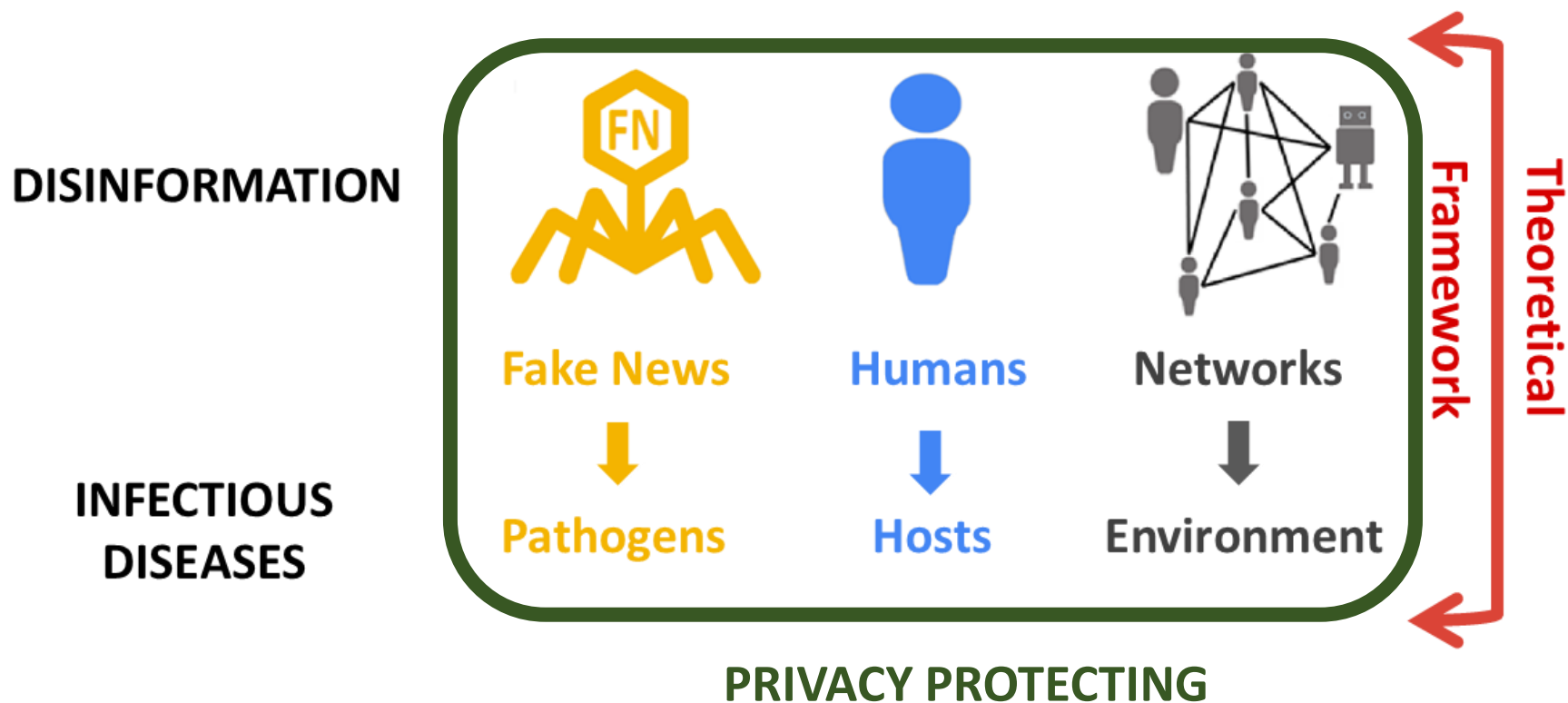


SOCIAL PHYSICS AND COMPLEXITY



GROUP MEMBERS (14)

PI

Joana Gonçalves-Sá, Physics, Systems Biology

Students

Sara Mesquita (PhD), Public Health

Íris Damião (PhD), Computer Science

Pedro Duarte (MSc), Physics

PostDocs

Lília Perfeito, Theoretical Biology

Jose Reis, Law

Cristina Mendonça, Psychology

Simone Lackner, Neurosciences (left in November)

Eleonora Tulumello, Mathematics (left in June)

Irma Varela, Biology (left in December)

Researchers

Paulo Almeida, Programmer, DPO

Hugo Cachitas, Programmer

Hamid Harzai, Part-time programmer

Project Manager

Rita Saraiva

CURRENT FUNDING



Strengths

Solid multidisciplinary team; Demonstrated capacity to attract high quality researchers and competitive funding.

Weaknesses

Limited history of collaboration with researchers at LIP or with LIP's main research partners; Limited participation in international networks.

Opportunities

Ongoing research receiving wide (both popular and scientific) interest; Ample space to establish SPAC as a leader in a very novel research field; High interest in future collaborations both inside and outside of LIP.

Threats

Very competitive research areas, particularly misinformation and digital epidemiology

QUESTIONS

DATA

TOOLS

HEALTH

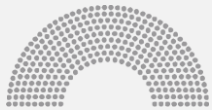


Online vs. Offline Patterns
Emergency Now-casting
Antibiotic Over-prescription

Google Trends
SNS24
Twitter
ER acceptance /times
SPMS e-prescriptions

Math Modelling
ML
Epidemiology

POLICY



Political Decisions
Gender Differences
Agenda Setting
Voting vs. Discourse

Media records
Twitter
Facebook
Parliament data

NLP
Networks
Math Modelling
Complex Systems

BEHAVIOUR



Cognitive Biases
Attitudes Towards Science
Privacy Protecting Analysis

Large scale surveys
Behavioral experiments
Twitter

Networks
Math Modelling
Psychology
Information