



HEALTH SCIENCE  
ECOSYSTEMS

GRADUATE SCHOOL AND RESEARCH



UNIVERSITÉ  
CÔTE D'AZUR

# HEALTHY Graduate School

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INFOMEETING ACADEMIE 4 - 7 FÉVRIER 2020

# Prof. Anne Vuillemin



Background and PhD in Sports Sciences

Accreditation to Supervise Research in Epidemiology and Public Health

General Secretary of the French Society of Public Health

Expertises for some French Health Agencies

Elected member of the European network for the promotion of health-enhancing physical activity (WHO/Europe)

# Prof. Pascal Staccini

MD, PhD, Professor of Public Health specialized in Biostatistics and Medical Informatics

Head of master's degree 'Health Engineering'

Head of Department IRIS 'risk engineering and health informatics', School of Medicine, Nice

Director of RETINES Lab (*Risk, Epidemiology, Territories, Information and Education for Health*)

Head of Department 'medical informatics', University Hospital, Nice

Chair of the International Conference SeGaMed (*Serious Games and Simulation for Medicine and Healthcare*)

President of the National Associations of Biostatistics and Informatics Teachers and Researchers (AIM-CIMES)



# World Health Organization definition of health

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“Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity”.

*Preamble to the Constitution of WHO as adopted by the International Health Conference, New York, 19 June - 22 July 1946; signed on 22 July 1946 by the representatives of 61 States (Official Records of WHO, no. 2, p. 100) and entered into force on 7 April 1948.*



**World Health  
Organization**

# Our challenges



to develop a collaborative and intersectoral approach in healthcare area



to develop health promotion



to modelize and to evaluate the delivery of personalized , appropriate, sustainable health and care services (health trajectories)



to tailor policies according to territories



to evaluate decisions based on proven knowledge, independent assessment and expertise, health impact studies and research



to identify what works in the field of health ecosystems (benchmark)

# Our Objectives



to develop an ecosystemic approach (individual and populational) to address health-related societal issues



to offer academic programs to develop new skills to promote healthy behaviors



to strengthen the integration of research and innovation in training programs



to coordinate and strengthen public health research activities, especially interventions



to create and sustain a health ecosystem cluster



to develop international collaborations in public health

# HEALTHY Identity Card

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- 3 main disciplines (sports sciences, psychology, medicine)
  - 5 Master's degrees:
    - 3 in Sport Sciences (3 Master's programs)
    - 1 in Psychology (6 Master's programs)
    - 1 in Health Engineering (8 Master's programs)
  - 4 doctoral schools (3 main and 1 secondary)
  - 1 research federation
  - 6 research units (5 main and 1 secondary)
- 17 Master's programs  
≈ 600 students

# Research Federation

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- Health Interventions

Fabienne d'Arripe-Longueville / Philippe Robert

**FRIS** Fédération de Recherche  
INTERVENTIONS en SANTE

- Purpose: to promote collaborative and multidisciplinary research projects on health interventions.

**health interventions:**

"any activity aimed at maintaining or improving the health of a population, health promotion, prevention, diagnostic action, therapeutic action, etc. (*French National Authority for Health, 2014*)".

# Research Units *(alphabetical order)*

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- **CoBTeK lab** (Cognition Behavior Technology) - **Philippe Robert**



- **LAMHESS** (Laboratory of Human Motricity Expertise Sport Health) - **Fabienne d'Arripe-Longueville**



- **LAPCOS** (Laboratory of Anthropology and Clinical, Cognitive and Social Psychology) - **Dirk Steiner**

- **MICORALIS** (Oral Microbiology, Immunotherapy and Health) - **Alain Doglio**



- **RETINES lab** (Risk, Epidemiology, Territories, Information, Education and Health) - **Pascal Staccini**





## TERRITOIRES

Organisations  
Prévention  
Epidémiologie  
Territoire de santé



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## TRAJECTOIRES

Evénements de vie  
Parcours  
Psychotraumatisme

## RISQUES

Vulnérabilité  
individuelle et  
populationnelle  
Santé des territoires



## EVALUATION

DS4H  
ELMI



Données  
Méthodes  
Applications

CREATES  
IFMK  
C2IP\*

ELMI  
DS4H



## PARTENARIATS

Patients partenaires  
Simulation  
Jeux sérieux

## SOCIAL

Médias sociaux  
Communication  
Santé connectée  
Observance  
Recommandations



## PRATIQUES

Comportements  
Patients - Professionnels  
Formations  
Littératie

\*C2IP : Centre d'Innovation du  
Partenariat avec les Patients et  
le Public (Fac Médecine)

# WORKS IN PROGRESS

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1. 'preventive compliance' behavioring factors:
  - how to improve and sustain education for health? (new professionals, new research topics)
  - how to promote active transport for health? relationships with smart city
2. data science for health and public health (Territories Health Open Report - THOR project)
3. development of an African Network for medical informatics and eHealth - erasmus+ with Niger
4. capacity building in quality and risk managementfor healthcare (erasmus+ with Romania)
5. european project Vanguard: Embedding physical activity in the undergraduate curriculum of medical studies

# 'An ecosystemic approach to health-enhancing physical activity promotion'

## SAVE THE DATE

16<sup>th</sup> annual meeting and 11<sup>th</sup> conference of HEPA Europe  
(WHO/Europe network for the promotion of health-enhancing physical activity)

 **HEPA** EUROPE  
2- 4 September 2020  
NICE, FRANCE



UNIVERSITÉ **CÔTE D'AZUR** 

Jointly organized with WHO/Europe

<https://hepaeurope2020.sciencesconf.org>

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