UNIVERSITÀ DEL PIEMONTE ORIENTALE

NOVARA NEW TEACHING AND RESEARCH HOSPITAL

Research future activities in the light of the Teaching and Research Hospital

Marisa Gariglio — Università del Piemonte Orientale
Tenured Professor for Medical Microbiology

UPO UNIVERSITÀ DEL PIEMONTE ORIENTALE

TEACHING

14,000 Students

33,400 Graduates since 1998

17 Bacherlor's Degrees

13 Master Degrees

4 Single-cycle Master Degrees

2 International Degrees in English

>50 Visiting Professors

RESEARCH / HIGHER EDUCATION

19 Specialisation Schools

16 1st and 2nd Level Masters

4 PhD's (2 international) with 10 specialisation areas

>150 Erasmus+ Agreements

THIRD MISSION

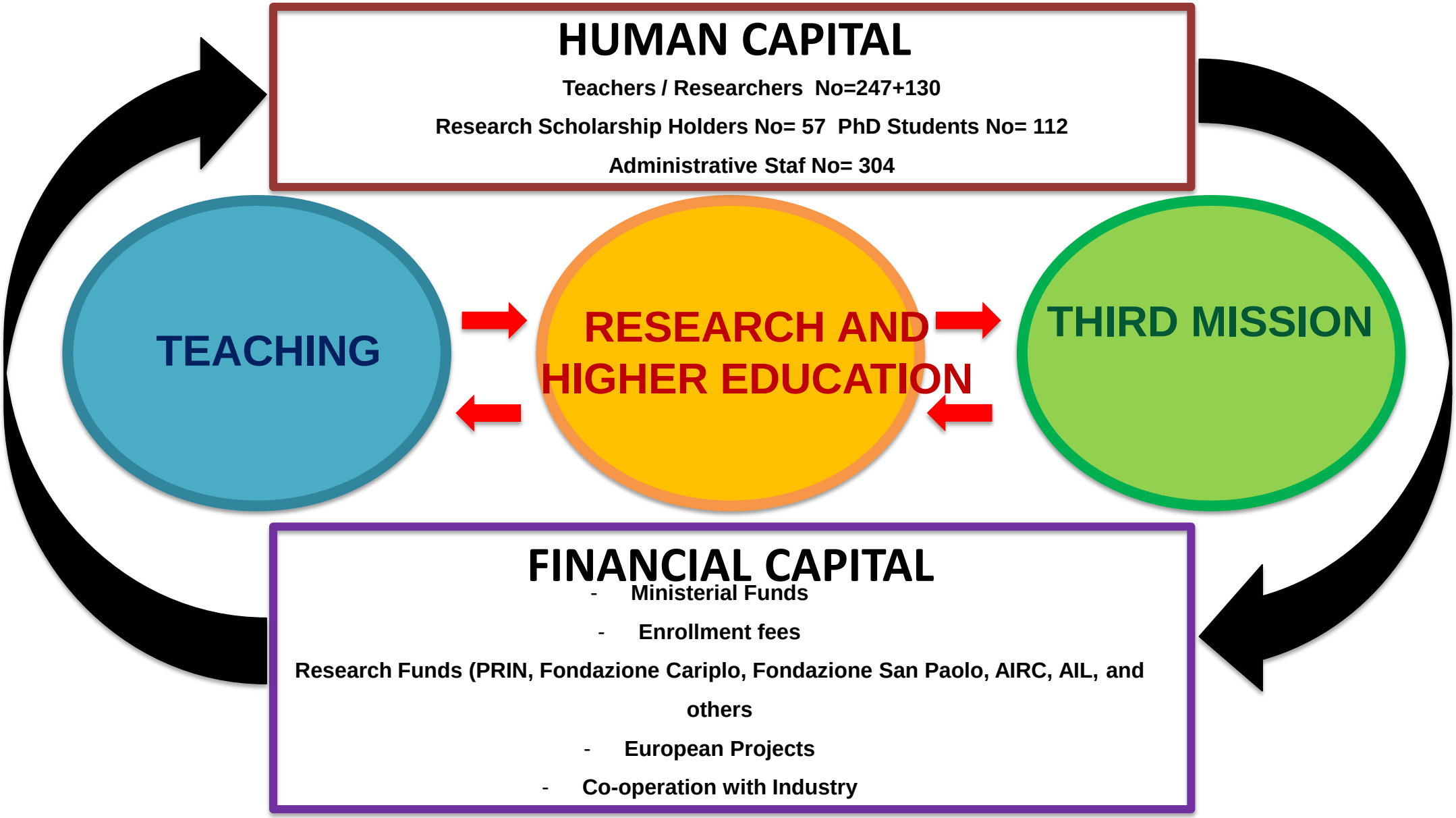
enne3 incubatore di impresa novara

Technological Transfer

Spin off (No=26) Patents (No=13)

Clinical trials

Public engagement


HUMAN CAPITAL
Teachers / Researchers No=247+130
Research Scholarship Holders No= 57 PhD Students No= 112
Administrative Staf No= 304
TEACHING
RESEARCH AND HIGHER EDUCATION
THIRD MISSION
FINANCIAL CAPITAL
- Ministerial Funds
- Enrollment fees
Research Funds (PRIN, Fondazione Cariplo, Fondazione San Paolo, AIRC, AIL, and others
- European Projects
- Co-operation with Industry

I Dipartimenti

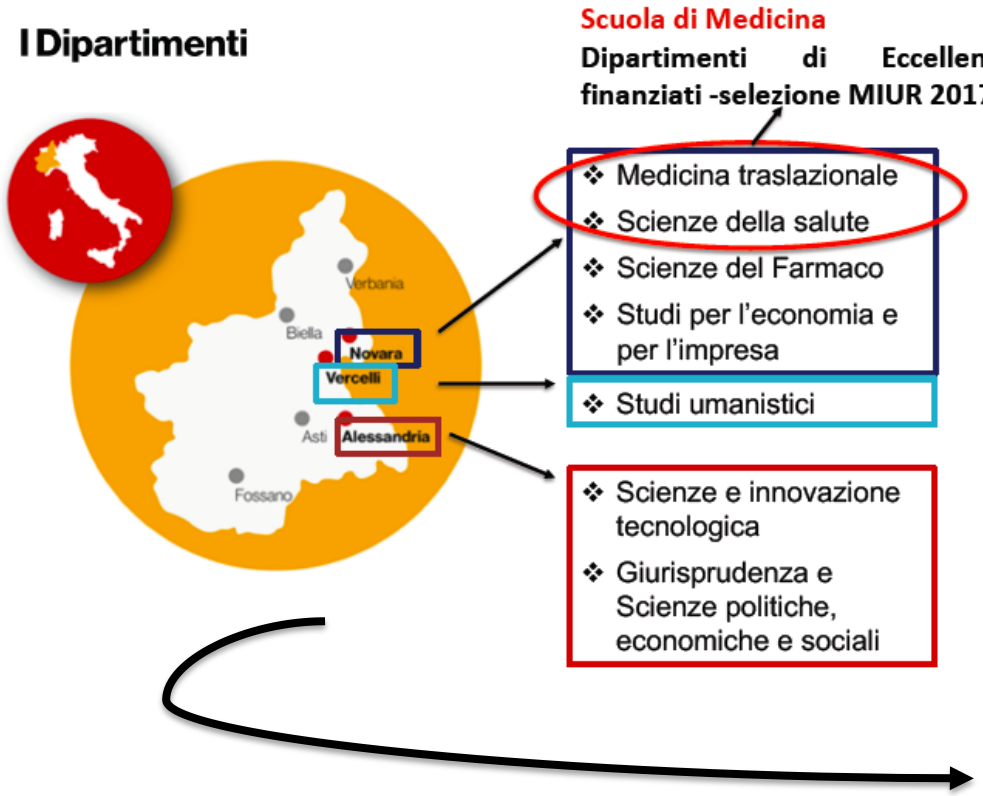
Medicine School

Funds-financed Departments of Excellence - 2017 MIUR selection

- Translational Medicine
- Health Sciences
- Pharmacological Sciences
- Economy and Business Studies

- Humanities

- Technological Sciences and Innovation
- Law and Political, Economic and Social Sciences



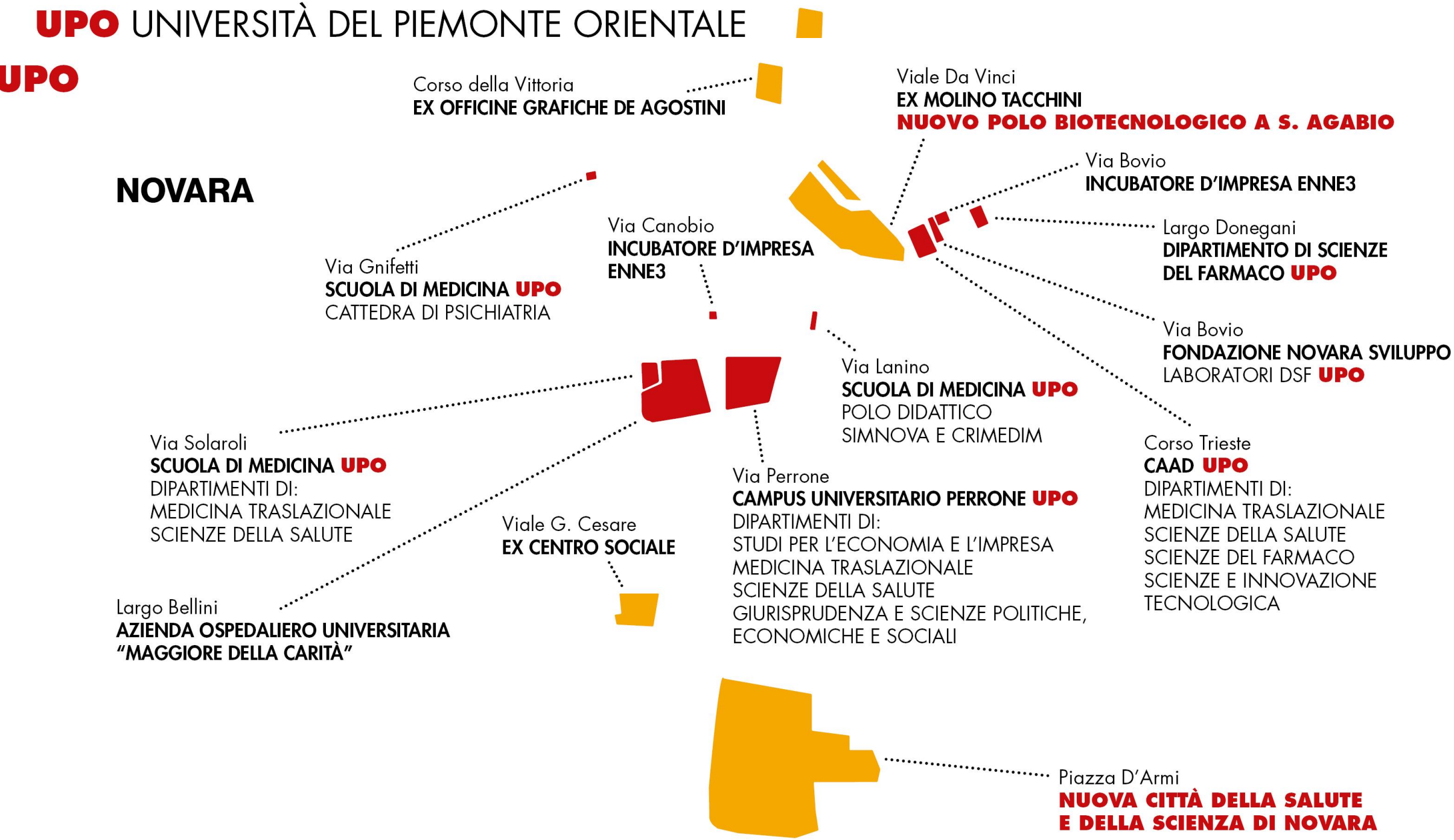
STRATEGIC PLANS

- **MULTIDISCIPLINARITY**
- **INTERNATIONALISATION**
- **SCIENTIFIC / TECHNOLOGICAL ADVANCEMENT**
- **TRANSLATIONALITY :**
  - **Social Impact**
  - **Health Impact**
  - **Industry Impact**

UPO UNIVERSITÀ DEL PIEMONTE ORIENTALE

UPO

NOVARA



Corso della Vittoria
EX OFFICINE GRAFICHE DE AGOSTINI

Viale Da Vinci
EX MOLINO TACCHINI
NUOVO POLO BIOTECNOLOGICO A S. AGABIO

Via Bovio
INCUBATORE D'IMPRESA ENNE3

Largo Donegani
DIPARTIMENTO DI SCIENZE DEL FARMACO UPO

Via Gnifetti
SCUOLA DI MEDICINA UPO
CATTEDRA DI PSICHIATRIA

Via Canobio
INCUBATORE D'IMPRESA ENNE3

Via Bovio
FONDAZIONE NOVARA SVILUPPO
LABORATORI DSF **UPO**

Via Lanino
SCUOLA DI MEDICINA UPO
POLO DIDATTICO
SIMNOVA E CRIMEDIM

Corso Trieste
CAAD UPO
DIPARTIMENTI DI:
MEDICINA TRASLAZIONALE
SCIENZE DELLA SALUTE
SCIENZE DEL FARMACO
SCIENZE E INNOVAZIONE TECNOLOGICA

Via Solaroli
SCUOLA DI MEDICINA UPO
DIPARTIMENTI DI:
MEDICINA TRASLAZIONALE
SCIENZE DELLA SALUTE

Via Perrone
CAMPUS UNIVERSITARIO PERRONE UPO
DIPARTIMENTI DI:
STUDI PER L'ECONOMIA E L'IMPRESA
MEDICINA TRASLAZIONALE
SCIENZE DELLA SALUTE
GIURISPRUDENZA E SCIENZE POLITICHE, ECONOMICHE E SOCIALI

Viale G. Cesare
EX CENTRO SOCIALE

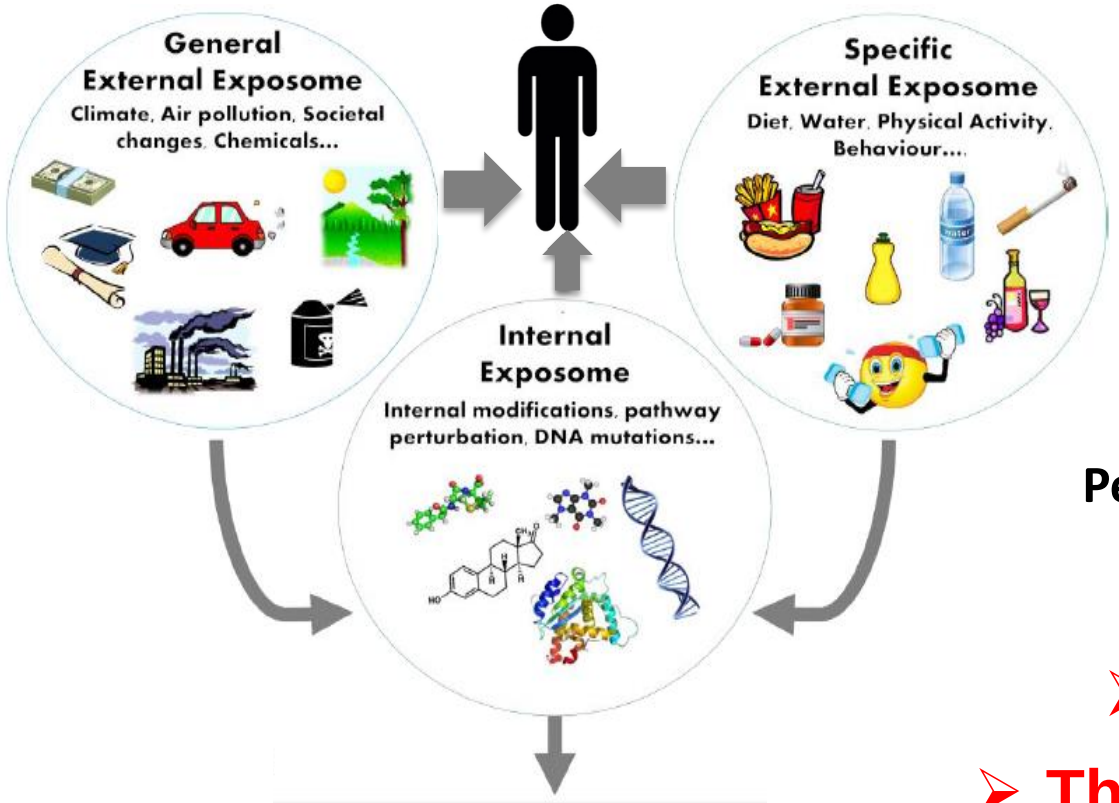
Largo Bellini
AZIENDA OSPEDALIERO UNIVERSITARIA "MAGGIORE DELLA CARITÀ"

Piazza D'Armi
NUOVA CITTÀ DELLA SALUTE E DELLA SCIENZA DI NOVARA

Phenotype (disease) **Genome** **Environment**

$$P = G + E$$

HUMAN EXPOSOME



Personalized Medicine **Technology Transfer**

- **Biomarkers**
- **Therapeutic markers**

OMICS ANALYSIS

Human Exposome Project

Food/Microbiome interactions

Food, Health & Environment

Clinical nutrition
Nutraceutics
Pre/Probiotics

Food safety
Regulations

EuCheMS European Chemical Sciences Division of Food Chemistry

efsa European Food Safety Authority

Allergy and Autoimmunity

Age-related cancer

Healthy Aging

Osteoporosis/ Sarcopenia

Biomarker/Indicator/ Protective factor

Human Exposome Project

OUTPUT

- Drug discovery and delivery
- Modulation of biological processes
- Active pharmaceutical principles
- Food quality and safety
- Ingredient & food design
- Biomaterials
- Functional nanomaterials
- Development of innovative socio-economic models and monitoring of their socio-economic impact