



Bioconvergence

**Bio & Software toward
the Smart Health**

What future for Italy?

Pavia

25th September 2019

14.00 - 18.30

chairpersons

Massimo Vergnano

Paolo Barbanti

**Residenza Biomedica
Collegio Santa Caterina**

Via Luigi Giulotto, 12 - 27100 Pavia



Progetto promosso e organizzato da



Con il patrocinio di



"Non penso mai al futuro. Arriva così presto."

(Albert Einstein)

MALATTIE RARE E GENETICHE: IL FUTURO È GIÀ PRESENTE

STATO DELL'ARTE SULLE BIOTECNOLOGIE IN MEDICINA

PAVIA

29 SETTEMBRE 2016

ORE 14.30

**I.R.C.C.S. FONDAZIONE SALVATORE MAUGERI
CENTRO CONGRESSI**

AULA S. MAUGERI - (1° PIANO)

VIA SALVATORE MAUGERI, 6

27100 (PV)



EUROPEAN
BIOTECH
WEEK



Fondazione Smith Kline

CONVEGNO

Biotecnologia e Intelligenza Artificiale per la Ricerca e Sviluppo di Nuove Terapie

*Quali opportunità e quali
rischi per il nostro Paese?*

Giovedì 27 settembre 2018, ore 15.00

Impact Hub, Via Aosta 4 - Milano

Moderatori: G. Recchia e M. Vergnano



Rationale

*The conference organized by Fondazione Smith Kline and CEFAT-Unipv within the European Biotech Week, deals with the issues of convergence between **Bio** and **Digital** for the improvement of people's health and of an efficient entrepreneurial environment, necessary to achieve this convergence, based on **Startups and Investors**.*

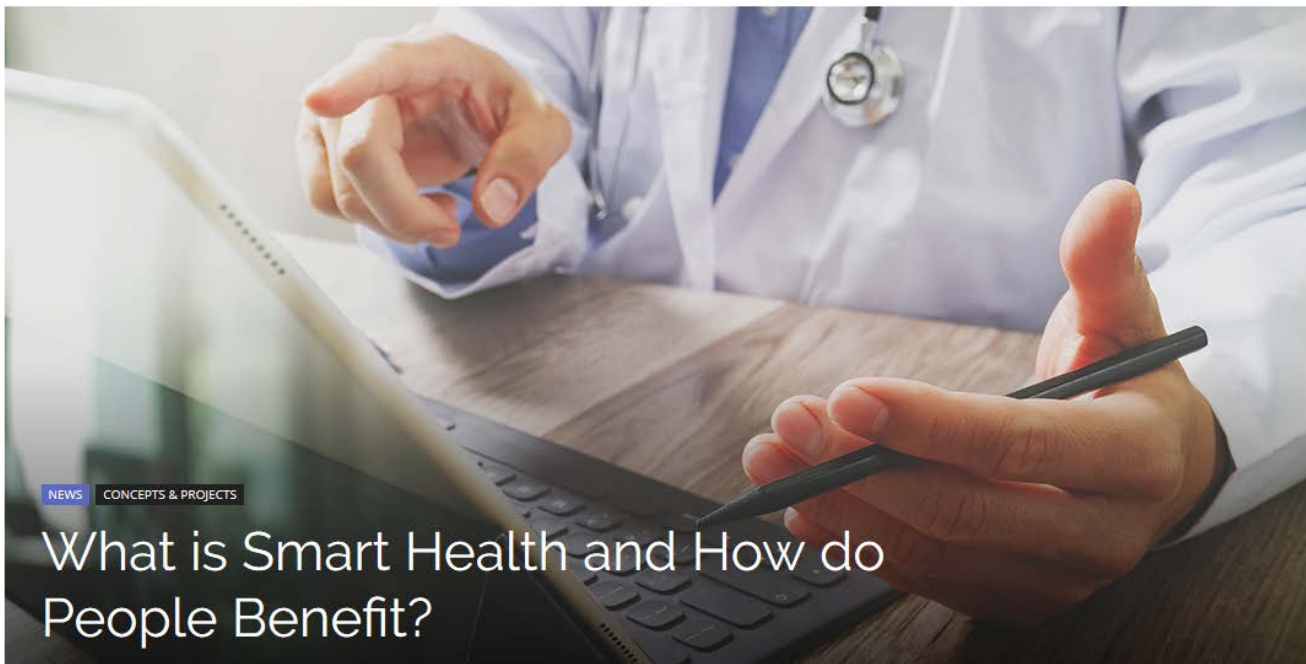
As Italy is lagging behind many other countries in all of these aspects, this initiative also intends to highlight the need to define a clear strategy and to implement it consistently in our country.



Program

- 14.00 REGISTRATION
- 14.30 WELCOME MESSAGE
Lucio Da Ros
Fondazione Smith Kline
Giorgio Lorenzo Colombo
CEFAT-Unipv
- 14.35 INTRODUCTION TO THE CONFERENCE
Massimo Vergnano
Paolo Barbanti
- 14.45 DIGITAL OR SMART? MEDICINE AT THE TIME OF THE BIOCONVERGENCE AND DIGITAL TRANSFORMATION
Giuseppe Recchia
- 15.05 STARTUP AND OPEN INNOVATION
Giacomo Baratti
- 15.25 BIOCONVERGENCE, THE FUTURE OF HEALTH CARE. HOW VENTURE CAPITAL IS ENABLING TRANSFORMATION?
Paolo Barbanti
- 15.45 ARTIFICIAL INTELLIGENCE AND HEALTH. WHERE ARE WE NOW?
Antonio Pelliccia
- 16.05 REAL WORLD DATA AS A DECISION-MAKING TOOL - DIGITAL DATA COLLECTION (WHAT FUTURE?)
Giorgio Lorenzo Colombo
- 16.25 HEALTH INDUSTRY AND TRANSFORMATION OF RESEARCH AND DELIVERY PROCESSES IN THE SMART HEALTH ERA
Gianluca Fincato
- 16.45 OUTSIDE OF THE SLOGANS...PATIENT AT THE CENTRE OF PERIPHERY OF CHANGE?
Simona Barbaglia
- 17.05 DIGITAL HEALTH. WHAT ROLE FOR ITALIAN COMPANIES?
Felice Lopane
- 17.25 ROUND TABLE
Moderator: Giorgio Lorenzo Colombo
- 18.30 CONCLUSIONS
Paolo Barbanti
Massimo Vergnano





NEWS CONCEPTS & PROJECTS

What is Smart Health and How do People Benefit?

Smart Health – A New Form of Healthcare

- “**SMART HEALTHCARE** is defined by the technology that leads to better diagnostic tools, better treatment for patients, and devices that improve the quality of life for anyone and everyone.”
- **SMART HEALTH** includes:
 - eHealth and mHealth services,
 - electronic record management,
 - smart home services
 - intelligent and connected medical devices.

Global Digital Health Market 2024

\$ 423 billion

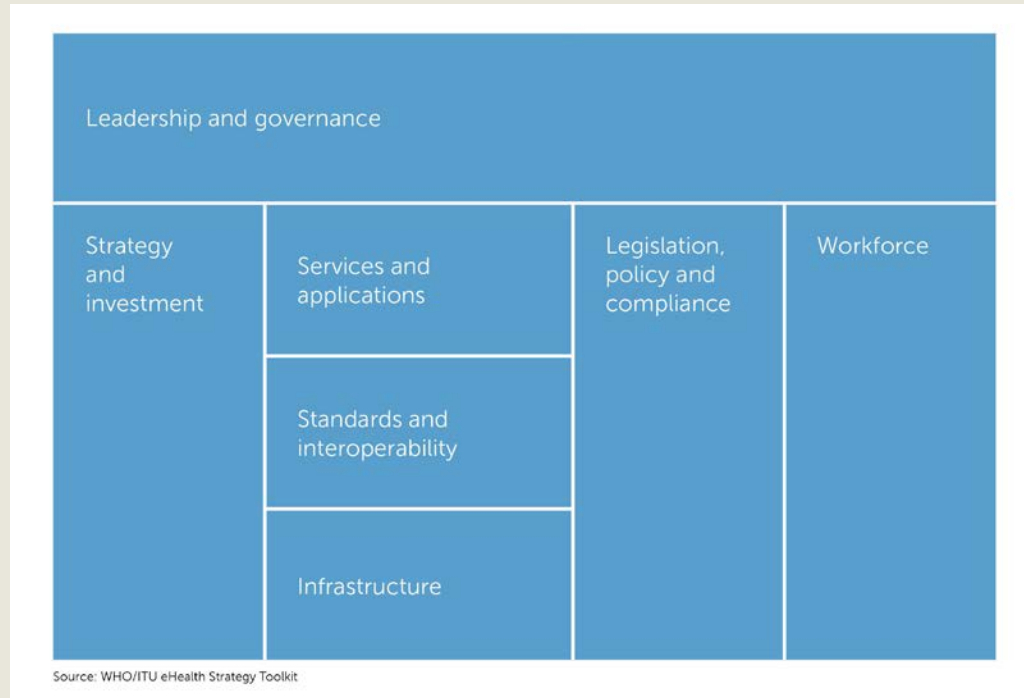


The State of
Digital Health
2019

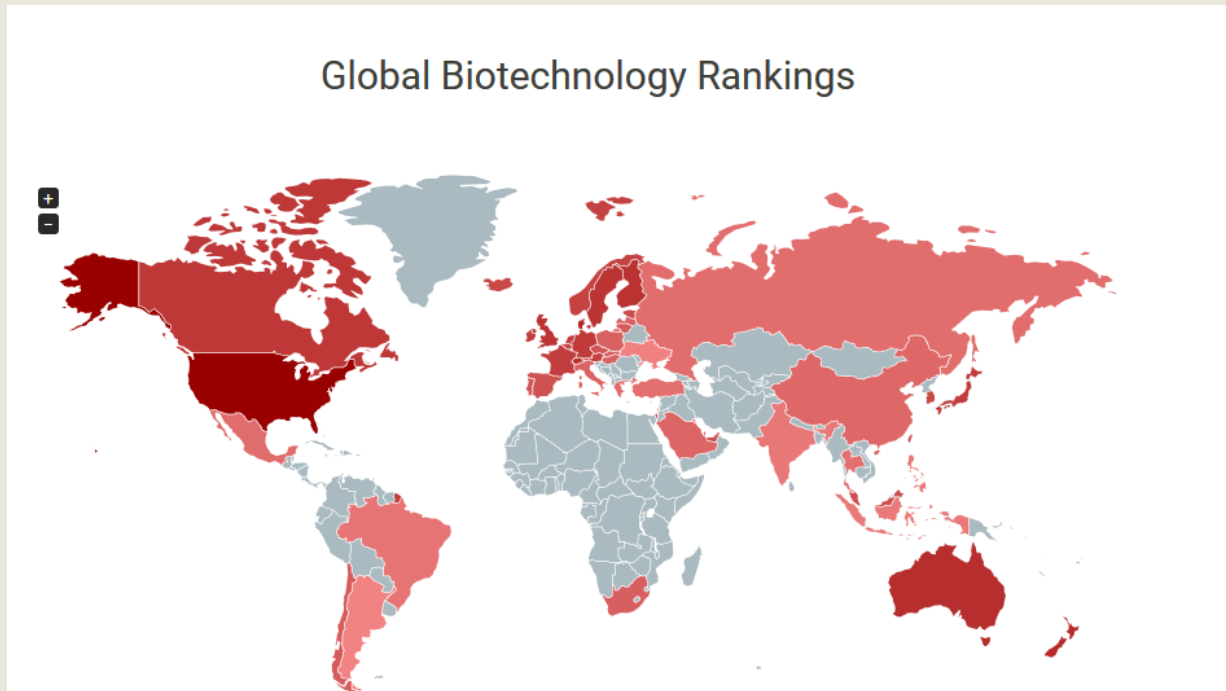
GLOBAL DIGITAL
HEALTH INDEX



Components of the WHO/ITU Health strategy framework (The State of Digital Health 2019)



Global Biotechnology Rankings



Biotechnology Innovation Scorecard Italy

Productivity

IP Protection

Intensity

Enterprise Support

Education and Workforce

Foundations

Policy and Stability

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BIOTECHNOLOGY INNOVATION SCORE SUMMARY

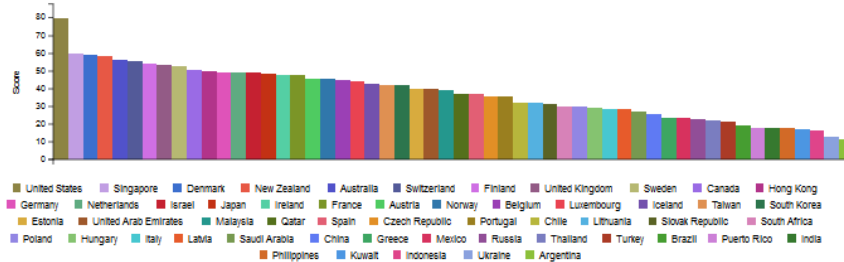
Italy scored 28.7/100, which places it 38th of the 54 countries studied. Italy scored below **Poland** and **Hungary**. Italy scored ahead of **Latvia** and **Saudi Arabia**.

The overall innovation score is the simple average of the *Category Scores* shown below, normalized to a score out of 100. For more details on the scoring, see the *Methodology* page.

The chart below highlights Italy in the overall rankings. Scroll down to the *Category Scores* for performance details in the individual categories.

Overall Score

BY SCORE BY COUNTRY NAME



Thank you

