

SHARESCIENCE: MULTIDISCIPLINA E TRASFERIMENTO TECNOLOGICO

ShareScience:
Multidisciplina
e Trasferimento Tecnologico



HR EXCELLENCE IN RESEARCH



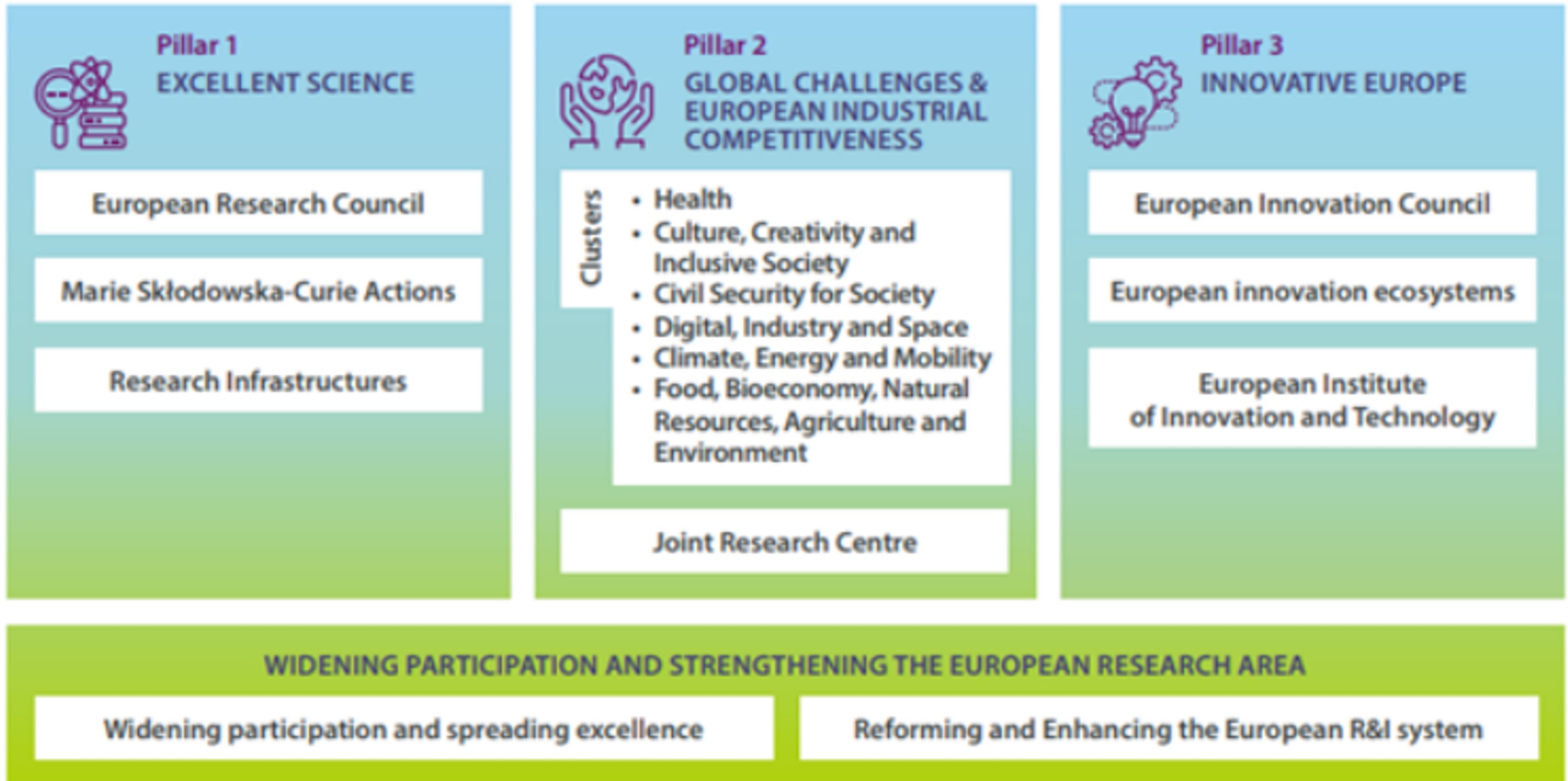
SAPIENZA
UNIVERSITÀ DI ROMA

La ricerca interdisciplinare nell'accademia: Una prospettiva europea

Fabio Sciarrino
Prorettore alle Strategie Competitive
per la Ricerca Internazionale

Horizon Europe

Horizon Europe is the EU's key funding programme for research and innovation with a budget of €95.5 billion .



Horizon Europe



Pillar 1 EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 INNOVATIVE EUROPE

European Innovation Council

European innovation ecosystems

European Institute
of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system



European Research Council

Established by the European Commission

Applications can be made in any field of research

The ERC's frontier research grants³ operate on a 'bottom-up' basis without predetermined priorities.

The ERC puts particular emphasis on the frontiers of science, scholarship, and engineering. It welcomes proposals of an interdisciplinary nature, which cross the boundaries between different fields of research, pioneering proposals addressing new and emerging fields of research, or proposals introducing unconventional, innovative approaches and scientific inventions.

ERC Work Programme 2024



ERC Starting Grant

For promising early-career researchers with 2 to 7 years experience after PhD

[Explore >](#)



ERC Consolidator Grant

For excellent researchers with 7 to 12 years experience after PhD

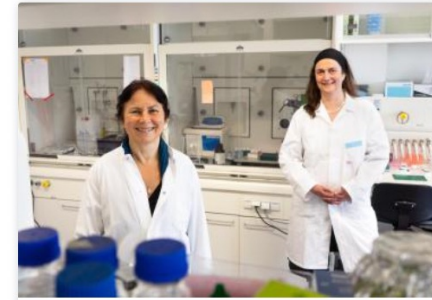
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ERC Advanced Grant

For established research leaders with a recognised track record of research achievements

[Explore >](#)



ERC Synergy Grant

For two to maximum four researchers working together and bringing different skills and resources to tackle ambitious research problems

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»Supporting Interdisciplinarity, a Challenging Obligation«

ERC President Prof. Jean-Pierre Bourguignon
NOVA Science Day 2019, Lisbon, Portugal

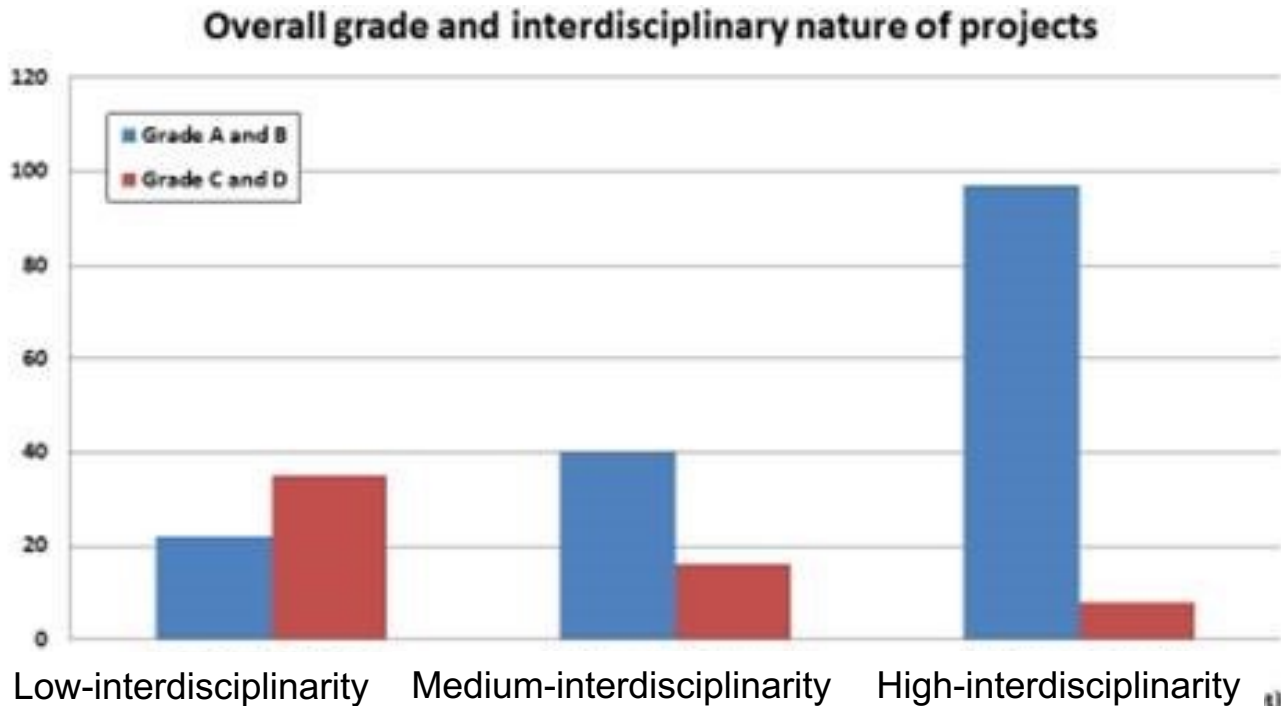
«First, it is very important to be conscious of the ***considerable variety of situations that involve interdisciplinarity***: from the obvious case of complex problems to bring together truly diverse competencies (of which climate change provides an excellent example) to emerging new disciplines and from evaluation issues to training issues, etc.»

The impact of interdisciplinarity

Ex-post evaluation of ERC projects.

200 randomly chosen projects two years after their completion. The possible grades independent evaluators can give are A for breakthroughs, B for major scientific advances, C for incremental scientific advances and D for projects with little achievements.

The differences in the level of performances of interdisciplinary projects has been striking:





European Research Council

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The challenges of interdisciplinarity

«Identifying obstacles to the development of interdisciplinarity is a must because of scientific challenges that need to be tackled but also because of the remarkable added value brought by interdisciplinary projects which ERC ex-post evaluations have shown. It may be even more important to take appropriate measures at the training level to make sure that the next generation will be given the proper exposure to interdisciplinarity.»

ERC President Prof. Jean-Pierre Bourguignon
NOVA Science Day 2019, Lisbon, Portugal

How to bring interdisciplinarity within an ERC grant

Synergy Grant

«With the recent establishment of Synergy grants the ERC Scientific Council created a space truly adapted for broader interdisciplinary projects. Year after year, the ex-post evaluation of completed projects shows that interdisciplinarity is strongly correlated to impact and also to innovation.»

Individual Grant

ADDITIONAL LEGAL ENTITIES

«Where they bring scientific added value to the project, additional team members may also be hosted by additional legal entities, which may be established anywhere, including outside the European Union or Associated Countries, or international organisations, subject to any restrictions provided in Annex 3 to this Work Programme.»



ERC Synergy Grant

For two to maximum four researchers working together and bringing different skills and resources to tackle ambitious research problems

[Explore >](#)

*The ERC welcomes **interdisciplinary research proposals**. Proposals of this type are evaluated by ERC's regular panels with the appropriate external expertise.*

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The European Innovation Council (EIC) is the main tool in support of innovation promoted by the European Commission under Horizon Europe, the new Framework Program for Research and Innovation of the EU for the period 2021-2027.

The EIC, in particular, is the most relevant initiative within Pillar 3 - Innovative Europe and aims to identify, develop and implement high-risk innovations of various kinds, with **a main focus on pioneering innovations, disruptive, with a high impact on society and potentially market-creating.**



European Innovation Council (EIC) Work Programme 2024

European Innovation Council



PATHFINDER



EIC Pathfinder

Supporting research and deep tech projects with a high degree of scientific ambition and risk.

TRANSITION



EIC Transition

Supporting maturation and validation of novel ideas from lab to business. A bridge between research and application development.

ACCELERATOR



EIC Accelerator

Supporting start-ups and small and medium-sized enterprises to develop and scale up to new markets or disrupt existing ones.



II.1 EIC Pathfinder Open

- ✦ Do you have an ambitious vision for a novel future technology that could make a real difference to our lives?
- ✦ Do you see a plausible way of achieving the scientific breakthrough that will make this technology possible?
- ✦ Can you imagine collaborating with an interdisciplinary team of researchers and innovators to realise the proof of principle and validate the scientific basis of the future technology?

If the answer to each one of these questions is 'yes', then EIC Pathfinder Open may be the right call for you.

European Innovation Council (EIC) Work Programme 2024

European Innovation Council



Before applying to this call, you should verify that your proposal meets all the following essential characteristics ('Gatekeepers'):

- ✦ Convincing long-term vision of a radically new technology that has the potential to have a transformative positive effect to our economy and society.
- ✦ Concrete, novel and ambitious science-towards-technology breakthrough, providing advancement towards the envisioned technology.
- ✦ High-risk/high-gain research approach and methodology, with concrete and plausible objectives.

EIC Pathfinder Open involves interdisciplinary research and development. By bringing diverse areas of research together, often with different perspectives, terminologies and methodologies, within individual projects and within a portfolio of projects, really new things can be generated and entirely new areas of research can be opened up. It is up to you to compose the team that you need, that you can learn from, and that you can move forward with.



Table 2. Award criteria for EIC Pathfinder Open

Excellence (Threshold: 4/5, weight 60%)

Long-term vision: How convincing is the vision of a radically new technology towards which the project would contribute in the long term?

Science-towards-technology breakthrough: How concrete, novel, and ambitious is the proposed science-towards-technology breakthrough with respect to the state-of-the-art? What advancement does it provide towards realising the envisioned technology?

Objectives: How concrete and plausible are the proposed objectives to reach the envisaged proof of principle? To what extent is the high-risk/high-gain research approach appropriate for achieving them? How sound is the proposed methodology, including the underlying concepts, models, assumptions, alternative directions and options, appropriate consideration of the gender dimension in research content, and the quality of open science practices?

Interdisciplinarity: How relevant is the interdisciplinary approach from traditionally distant disciplines for achieving the proposed breakthrough?

Horizon Europe @ Sapienza

Key adopted strategies:

- 1) To inform the academic community
- 2) To support the researcher applications
- 3) To boost the applicants

May

MARIE SKŁODOWSKA-CURIE

- INFODAY
- |
- WORKSHOP
- |
- GRANT WRITING LAB

SETTORE MOBILITÀ DEI RICERCATORI E PROGRAMMI EUROPEI




Come presentare una proposta progettuale

Le proposte devono essere presentate online tramite il [Funding and Tenders Portal](#) della Commissione Europea, secondo le modalità previste dal WP.

Le proposte possono essere presentate da comitati composti da almeno tre enti (ad es. Università, enti di ricerca, PMI, start-up, partner industriali, ecc.) stabiliti in uno Stato membro o Paese associato.

I servizi di supporto del Grant Office

Il Grant Office Sapienza supporta la partecipazione alle call di Horizon Europe fornendo le seguenti tipologie di servizi:

- informazioni su call e IWP tematici;
- valutazione di pre-fattibilità dell'idea progettuale;
- supporto nella redazione delle proposte e in particolare del budget;
- pre-screening della proposta;
- supporto alla gestione finanziaria ed amministrativa dei progetti approvati.

Iniziative a favore della partecipazione al Pillar II

Sapienza nel mese di maggio organizza una serie di iniziative dedicate a promuovere la partecipazione alle call del Pillar II:

- 6 Webinar di presentazione dei Cluster tematici (uno per Cluster)
- Incontri di approfondimento individuale per potenziali applicants

Per informazioni e iscrizioni: [Iniziative Sapienza Pillar II](#)

Per informazioni e richieste di supporto

Area Supporto alla Ricerca e Trasferimento Tecnologico - ASURTI, Ufficio Promozione e Servizi di supporto per le iniziative di Ricerca, Settore Grant Office
Tel: (+39) 064991 0188 - 0185 - 0522
e-mail: grantoffice@suniroma1.it
<https://www.uniroma1.it/pagina/settore-grant-office>

Programma Iniziative Sapienza per la partecipazione al Pillar II

Cluster	Cluster	Webinar	Incontri di approfondimento
Cluster 4	Digital, Industry and Space	6 Maggio	10-14 Maggio
Cluster 5	Climate, Energy and Mobility	7 Maggio	10-14 Maggio
Cluster 6	Food, Bioeconomy, Natural resources, Agriculture and Environment	13 Maggio	17-21 Maggio
Cluster 3	Civil Security for Society	14 Maggio	17-21 Maggio
Cluster 2	Culture, Creativity and Inclusive Society	17 Maggio	24-28 Maggio
Cluster 1	Health	18 Maggio	24-28 Maggio

Scegli Sapienzal

Per promuovere ed incentivare la partecipazione al programma ERC, Sapienza ha lanciato, nel 2019 l'azione **BE-FOR-ERC** nell'ambito del programma **Sapiexcellence** che ha permesso in due anni di finanziare 20 giovani ricercatori d'eccellenza.

Nel 2021 Sapienza lancerà una nuova azione nell'ambito del programma **Sapiexcellence**, denominata **BEED-ERC**, destinata a ricercatori che hanno presentato nell'ambito delle call ERC 2021 una proposta di eccellenza scientifica non finanziata per limiti di budget.

Inoltre Sapienza, già da diversi anni, dedica una particolare attenzione ai ricercatori che partecipano al programma ERC attraverso una politica di incentivi e agevolazioni.



Sapienza ti offre!

- INFODAY E WORKSHOP**
Sapienza organizza ogni anno, in occasione del lancio delle call ERC, giornate informative: riviste a tutta la comunità accademica e workshop formativi specifici per i potenziali applicant.
- KIT E MANUALE**
I kit, elaborati dallo staff di Sapienza, comprendono una serie di documenti utili alla predisposizione delle proposte. Insieme al Kit è stato predisposto un manuale tecnico operativo per supportare gli applicant ERC in tutte le fasi della presentazione di una proposta progettuale.
- PRE-SCREENING**
Sapienza effettua un servizio di pre-screening volto a fornire ai proponenti un servizio di revisione delle singole proposte.

Prepara la tua interview!

Sapienza offre l'opportunità ai candidati che raggiungono il 2° step di valutazione di seguire un training di preparazione alla interview offerto da società di formazione esterna. Il training ha una durata di 2-3 giorni e consiste in una simulazione del colloquio con un panel di esperti.

Eventi Horizon Europe @ Sapienza



THREE PILLARS FOR IMPLEMENTATION



ERC days



**Pillar 1
EXCELLENT SCIENCE**

European Research Council

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Research Infrastructures

May MSCA



**Pillar 2
GLOBAL CHALLENGES &
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EIC week


EIC initiative

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UNIVERSITÀ DI ROMA

HORIZON EUROPE @ SAPIENZA

CALENDARIO EVENTI 2023




MARIE SKŁODOWSKA-CURIE ACTIONS





- 2 MAGGIO
MSCA @ SAPIENZA: INFODAY
- 10 MAGGIO
MSCA @ SAPIENZA: WORKSHOP
- 14-23 GIUGNO
MSCA @ SAPIENZA: GRANT WRITING LAB

EUROPEAN INNOVATION COUNCIL



- 20 GIUGNO
EIC WEEK: INFODAY
in collaborazione con APRE
- 20-23 GIUGNO
EIC WEEK: INCONTRI FACE-TO-FACE

EUROPEAN RESEARCH COUNCIL



- 20 LUGLIO
ERC DAYS - STG & COG INFODAY
- 21 LUGLIO
ERC DAYS - FOCUS ON StG GRANTS
- 11 OTTOBRE
ERC DAYS - FOCUS ON CoG GRANTS

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UNIVERSITÀ DI ROMA

HORIZON EUROPE @ SAPIENZA

CALENDARIO EVENTI 2023



CLUSTER TEMATICI E MISSIONS



- 26 SETTEMBRE
INFODAY
in collaborazione con APRE
- 25-29 SETTEMBRE
INCONTRI FACE-TO-FACE

CROSS-CUTTING ISSUES





- 11 LUGLIO
RENDICONTAZIONE PROGETTI HE E H2020
- 12 OTTOBRE
REDAZIONE CONTRATTI COLLEGATI AL GA
- 8 NOVEMBRE
IMPACT NEI PROGETTI HORIZON EUROPE
- 23 NOVEMBRE
RESEARCH DATA E DATA MANAGEMENT PLAN

ASUR - UFFICIO SUPPORTO ALLA RICERCA INTERNAZIONALE

Horizon Europe @ Sapienza

Bandi di supporto alla progettazione

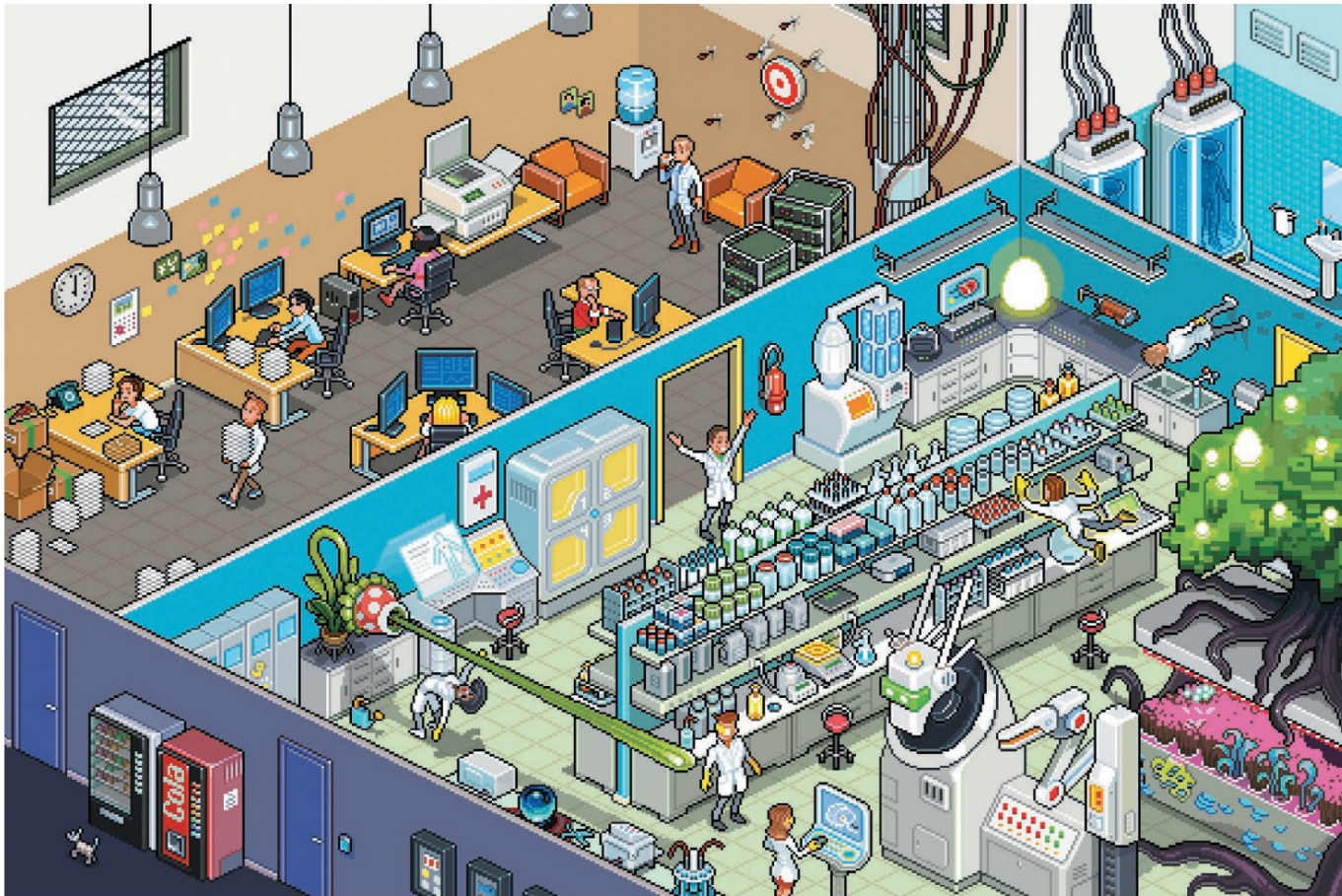
 <p>Bando Coordinamento progetti Horizon Europe - Rome Technopole</p> <p>HORIZON EUROPE</p>	
Bando Coordinamento progetti Horizon Europe	Bando Coordinamento progetti Horizon Europe - Rome Technopole

Scadenza: 7 marzo 2024 (ore 14.00)



#HorizonEU

Bando Award progetti Horizon Europe **Scadenza. 25 ottobre 2024 (ore 14.00)**



"Let researchers try new paths», T. Oni, F. Sciarrino, G. Adesso & R. Knight
Nature 538, 451–453 (2016)