FACTS & FIGURES

IIT TODAY

Data last updated on 31st August 2025

Organizational Chart

| MAGISTRATE OF THE CORTE DEI CONTI (COURT OF AUDITORS) | BOARD* 15 members | STATUTORY AUDITORS* 3 members |

(*) statutory bodies

EXECUTIVE COMMITTEE*
5 members

| PRESIDENT* | SCIENTIFIC DIRECTOR* |
| Gabriele Galateri di Genola | Giorgio Metta |

| SCIENTIFIC TECHNICAL COMMITTEE | GENERAL COUNSEL | INTERNAL CONTROL | VICE SCIENTIFIC DIRECTOR | PRINCIPAL INVESTIGATORS | RESEARCH SUPPORT | DIRECTOR GENERAL | ADMINISTRATION |

Governance

Board

Montanino Andrea (chairman)

Goitini Elena

Gubitosi Luigi

Marullo di Condojanni Sergio

Nasi Alessandro

Pettiti Gianluca

Profumo Alessandro

Rivera Alessandro

Sala Marcello

Sciuto Donatella

Squitieri Raffaele

Stellacci Francesco

Taddeo Mariarosaria

Ungaro Simone

Verona Gianmario

15 members

Executive Committee

Galateri di Genola Gabriele (IIT president)

Metta Giorgio (IIT scientific director)

Inverardi Paola

Terzi Vittorio

Vaccaro Luciana

5 members

Scientific Technical Committee

Sette Francesco (chairman)

Aguzzi Adriano

Asfour Tamim

Banin Uri

Cangelosi Angelo

Car Roberto

Chalfie Martin

Cuniberti Gianaurelio

Corboud Fumagalli Adrienne

Khatib Oussama

Kotz Sonja

Paolo Lugli

Marzari Nicola

Molinari Elisa

Nurmikko Arto

Slotine Jean-Jacques

Vendruscolo Michele

Sangiovanni Vincentelli Alberto

18 members

Board of Statutory Auditors

Alì Francesco (president)

Di Felice Vincenzo

Vassallo Enrico

3 members

Corte dei Conti (Court of Auditors)

Corsetti Adelisa

General Counsel

Cusmai Raffaele

Audit, Risk Management Compliance Directorate

Vidili Valeriano (director)

Desiderio Stefano

Nigro Leonardo

Scientific and Administrative Management

Vice Scientific Director

Athanassiou Athanassiou

Director General

Moscone Fabrizio

Committee of the SD

Athanassiou Athanassiou	Pellegrino Teresa
Caldwell Darwin	Tonini Raffaella
De Vivo Marco	Siciliano Velia
Decuzzi Paolo	Tirelli Nicola
Fellin Tommaso	Wykowska Agnieszka
Gustincich Stefano	Moscone Fabrizio (invited)
Manna Liberato	De Michieli Lorenzo (invited)
Mazzolai Barbara	Cagnoni Francesca (invited)
Natale Lorenzo	

14 members + 3 invited

Research Support Directorates

Bencetti Stefano	Gatti Massimiliano
Cagnoni Francesca	Greco Giuliano
De Michieli Lorenzo	

Administrative Directorates

Caporali Andrea	Gelati Enzo
Firpo Cevolani Valeria	Monaldi Ilaria
Fontana Antonella	

Principal Investigators and Facility Coordinators

82 Principal Investigators + 17 Facility Coordinators

IIT Values

Courage, Social Responsibility, Inclusion, and Integrity

Our values guide us:

- in **exploring uncharted territories**
- in always being **aware** of the **impact** our research has on **society** and the **environment**
- in valuing **innovation** and making **technological progress accessible to everyone**
- in acting according to the principles of **transparency** and **honesty**

Courage

We like challenges, and we face them with determination, striving for excellence.

Societal Responsibility

We aim to benefit humanity worldwide. We strive to help society develop for the common good.

Inclusion

We welcome and cherish diversity in every form. We do not tolerate discrimination in any form. We are always inclusive, respecting individual freedom.

Integrity

We adhere to scientific and moral integrity. We value and strive for openness, honesty, authenticity, sincerity, and transparent behavior. We communicate transparently.

Strategic Plan
2024-2029
Vision, Programme and Numbers
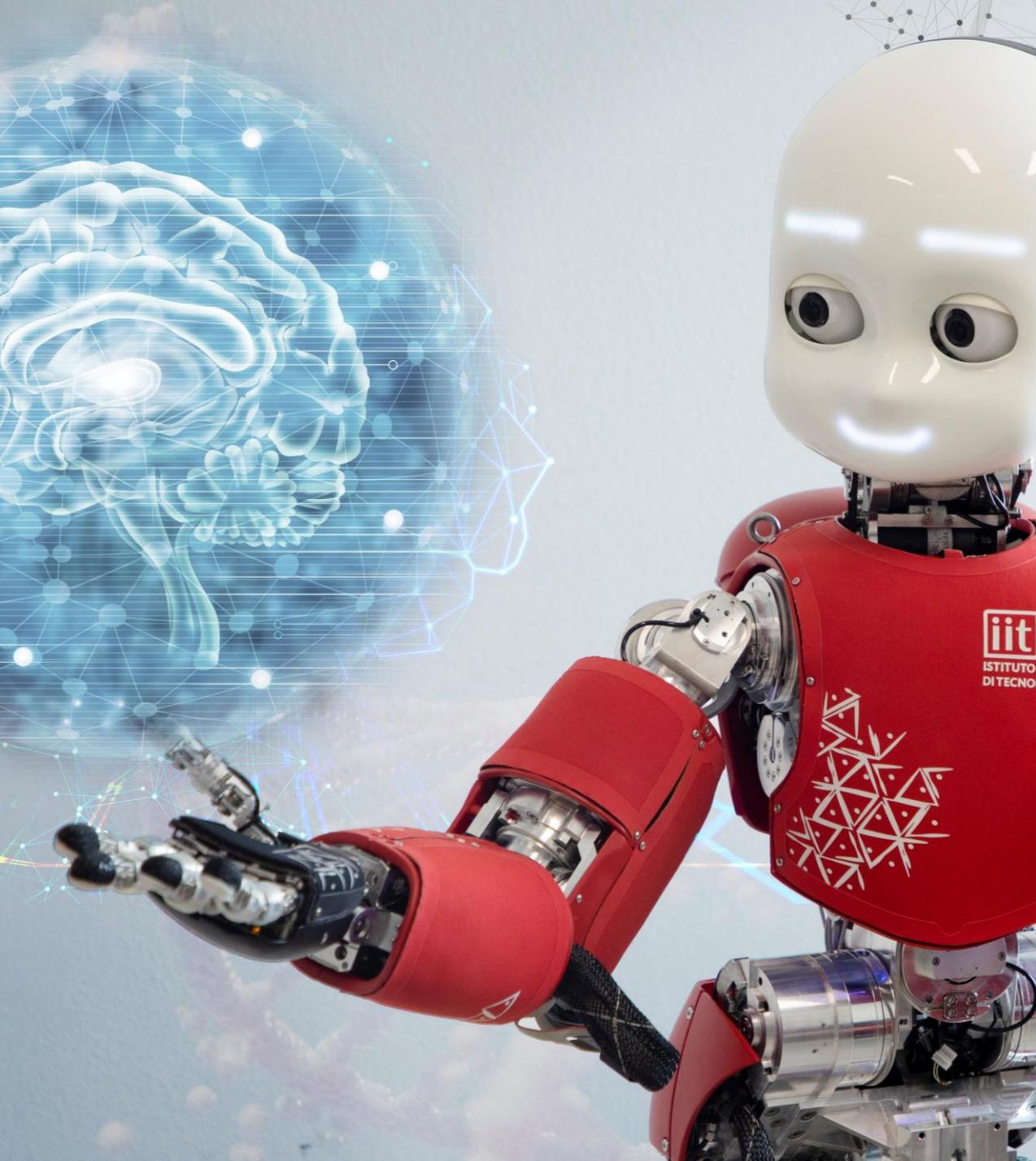
IIT Research Plan
Vision, Mission and Programme

Artificial Intelligence
for Healthcare and Earthcare

4
Research Domains

1
Blue Sky Programme
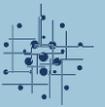
5
Flagship Programmes

We strive to conduct **outstanding scientific research**, develop **cutting-edge technologies**, and foster a **creative research environment**

Strategic Plan 2024-2029

Strategic Plan 2024-2029

Research Domains
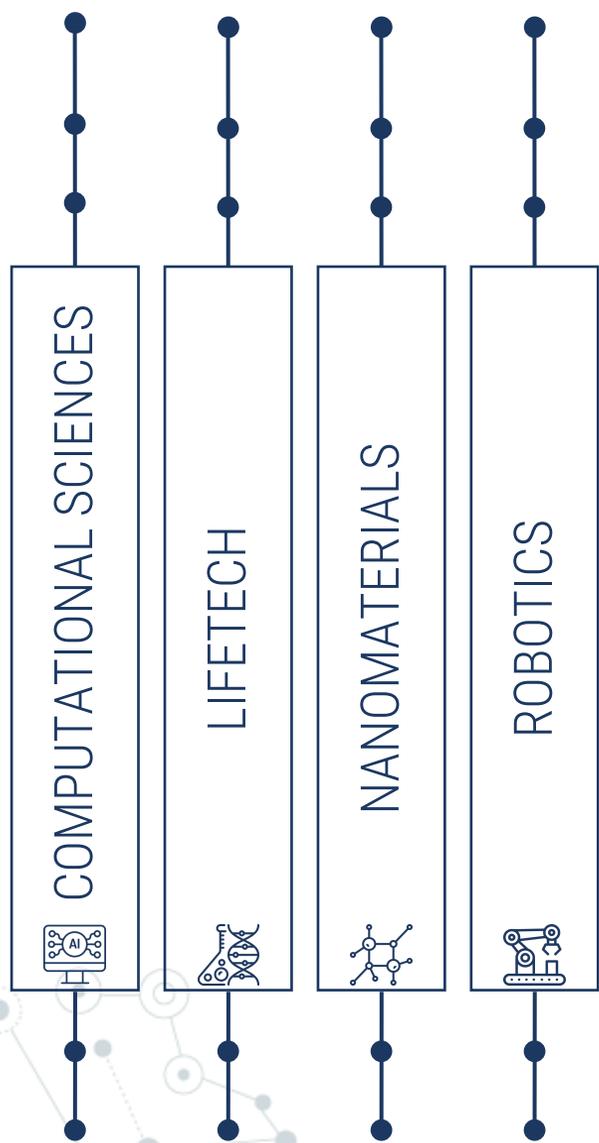
Advancing the State of the Art	Scientific Mission
Industrial Translation	Tech Transfer Mission
Clinical Translation	

Blue Sky Research

Technologies for Sustainability

Brain and Machines

RNA Technologies

Flagship Programmes (5)

Teaching Science to Computers

Technologies for Healthy Living

COMPUTATIONAL SCIENCE · LIFETECH · NANOMATERIALS · ROBOTICS

|	
Sustainability	Social Challenges
Healthcare	

IIT Research Domains

Computational Sciences, Technologies for Life Science (LifeTech), Nanomaterials and Robotics

Each research domain consists of independent research units, each led by a Principal Investigator and supported by state-of-the-art facilities.

Computational Sciences

We focus on computational chemistry and physics, artificial intelligence, and the hardware enabling high-performance computing (HPC).

LifeTech

We develop technologies in RNA molecular biology and neuroscience, leveraging computational methods and artificial intelligence.

Nanomaterials

We design materials that meet the needs of sustainable development, energy, and healthcare, by fine-tuning their intrinsic properties.

Robotics

We design a variety of hardware and software robots intended to operate in factories, homes, or hospitals.

The research domains strive to advance **applied research** areas (e.g., Flagship Programs) as well as fundamental, purely **exploratory research** (Blue Sky Research)

Computational Sciences
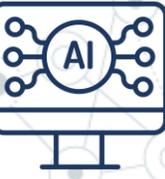
Atomic and Molecular Simulations and Machine Learning Mathematics

Our researchers study computational chemistry and physics, AI, and high-performance computing. These fields accelerate drug discovery, the engineering of new materials, and algorithmic optimization.

We boast an extremely powerful platform for bioinformatics and the engineering of new medicines.

We have achieved remarkable results in technology transfer and the development of 'embodied' AI for robotics.
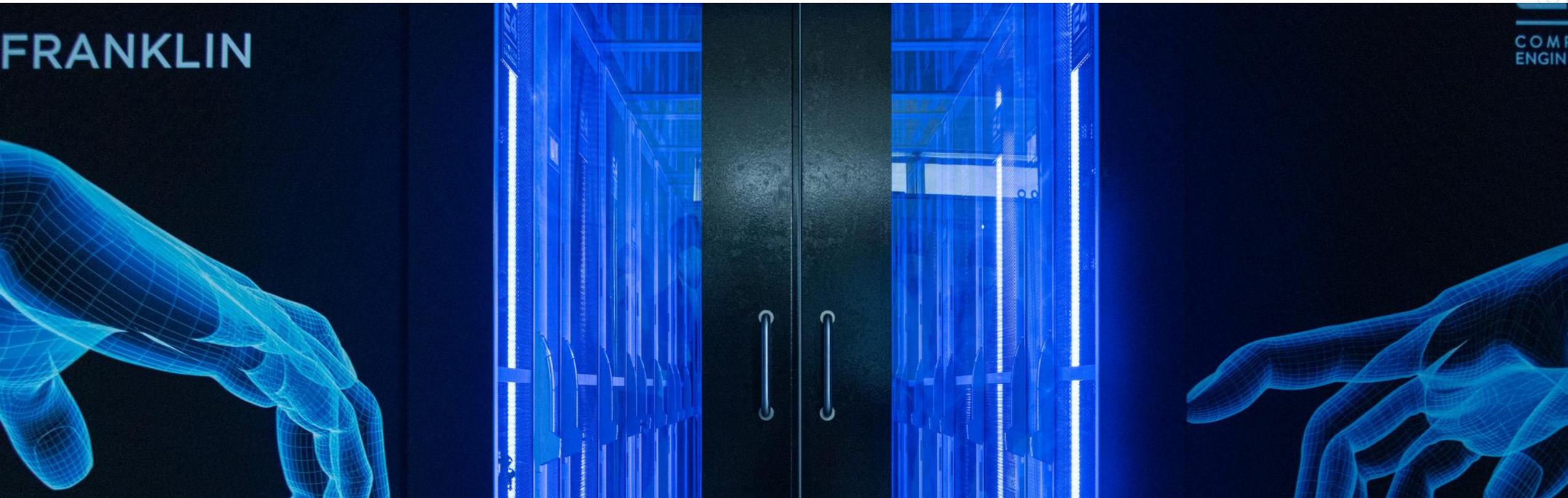
Computational Sciences

Who we are
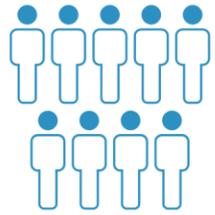
198 Scientific Staff	**12** Research Units	**4** Facilities	**5** IIT Centres involved	**35%** Women	**25** Countries of origin	**64%** Under 35
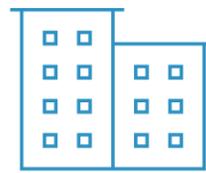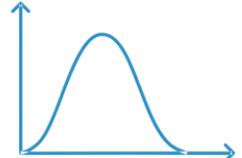
IIT Centres involved

Venice
Cambridge
Genoa
Italy
USA
Rome
Lecce

Scientific Staff

PIs/Facility Coordinators 7%
Technologists 2%
Technicians 19%
Researchers 6%
PostDocs 37%
PhD students 28%
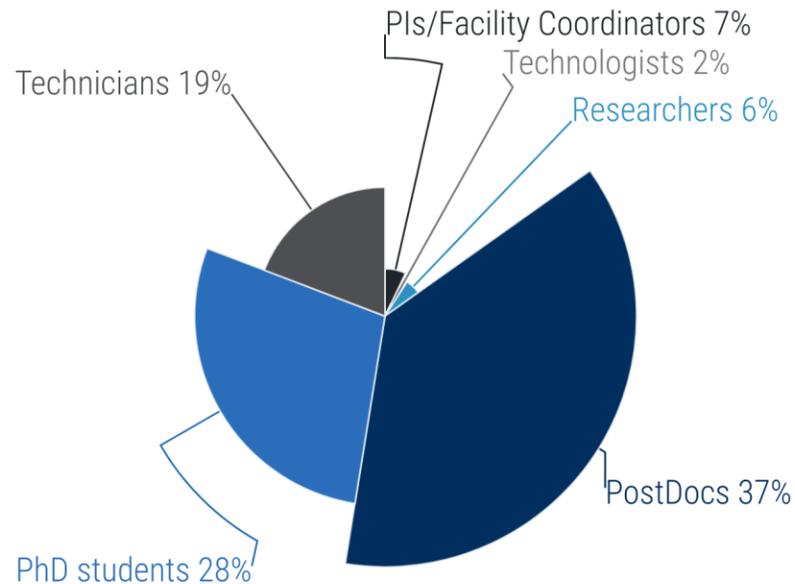
Countries of origin of the Scientific Staff
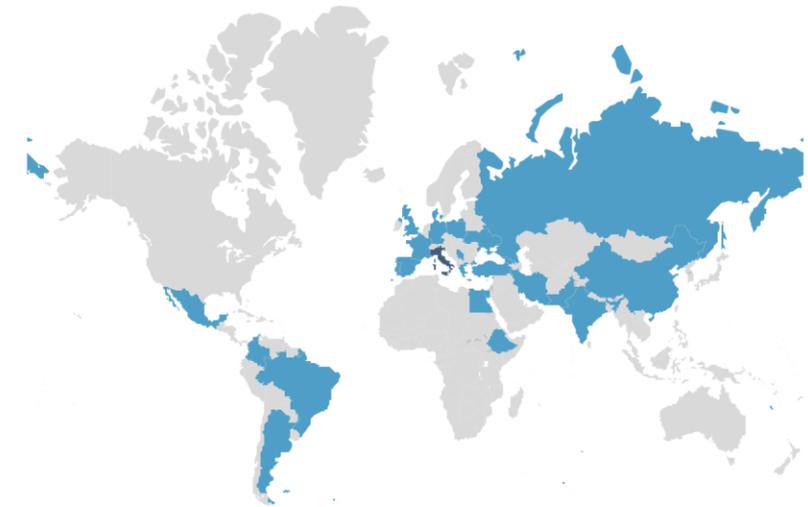
Technologies for Life Science (LifeTech)

Molecular Biology of RNA and Neurosciences

Our researchers use computational methods and AI to engineer molecules and for applications in medical genomics for personalized medicine.

Among our goals is also robotics for healthcare and smart devices for drug delivery.

We boast world-class expertise in non-coding RNA and genomics, and we study cutting-edge computational methods in bioinformatics. We are involved in broad, multi-scale, and multimodal experimental neurosciences.
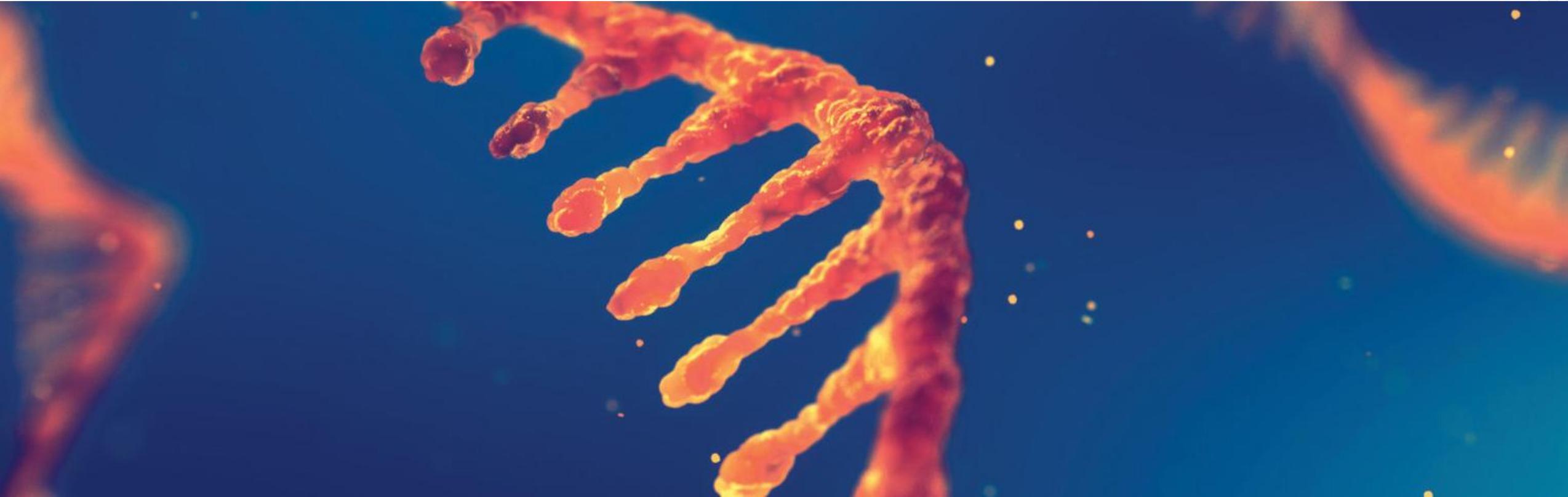
# Technologies for Life Science (LifeTech)

Who we are
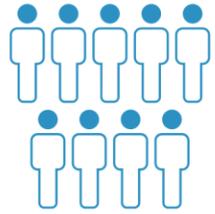
421 Scientific Staff	**32** Research Units	**4** Facilities	**7** IIT Centres involved	**55%** Women	**37** Countries of origin	**63%** Under 35
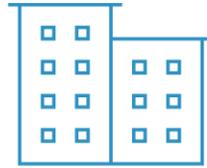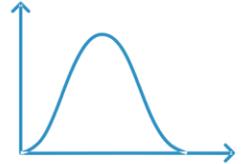
IIT Centres involved

Italy
- Trento
- Milan
- Ferrara
- Genoa
- Rome
- Naples

USA
- Cambridge

Scientific Staff

- PIs/Facility Coordinators 9%
- Technicians 15%
- Technologists 2%
- Researchers 7%
- PostDocs 36%
- PhD students 31%
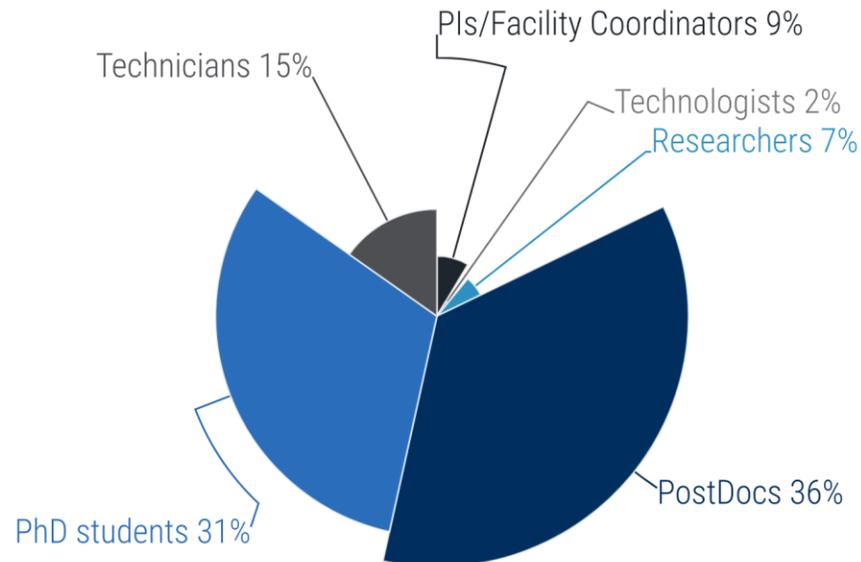
Countries of origin of the Scientific Staff

Nanomaterials

Advanced Chemistry, Physics, and Engineering

Our researchers have extensive experience in designing new materials to meet the growing needs of sustainable development in sectors such as energy and healthcare. We design materials with the goal of refining their mechanical, optical, thermal, or electrical properties.

We boast theoretical, engineering, and computational expertise in material simulation.

We are committed to environmental sustainability, the energy sector, and applications in medicine and healthcare.

Nanomaterials

Who we are
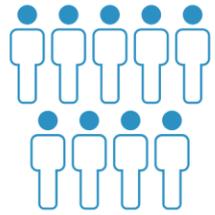
446 Scientific Staff	**26** Research Units	**5** Facilities	**6** IIT Centres involved	**43%** Women	**43** Countries of origin	**69%** Under 35
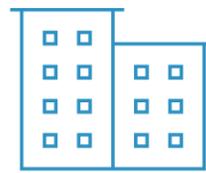
IIT Centres involved

Turin
Milan
Genoa
Pisa/Pontedera
Lecce

Scientific Staff

Technicians 12%
PIs/Facility Coordinators 7%
Technologists 3%
Researchers 5%
PostDocs 38%
PhD students 36%
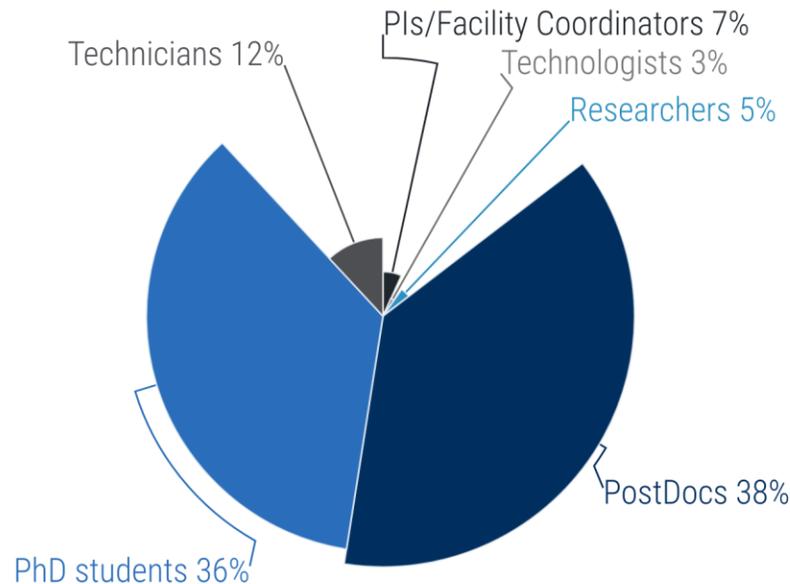
Countries of origin of the Scientific Staff

Robotics

Control Theory, Electronics, Artificial Intelligence (AI), Psychology, and Cognitive Neurosciences

Our researchers design a range of robots developed to operate in various contexts: from factories to homes to hospitals, covering everything from hardware components to software.

We boast high engineering expertise and deep knowledge in electric motor actuation. We are experts in locomotion and humanoid robotics, human-robot interaction, and embodied AI.

Our approach is bioinspired and closely related to neuroscience and cognitive sciences.
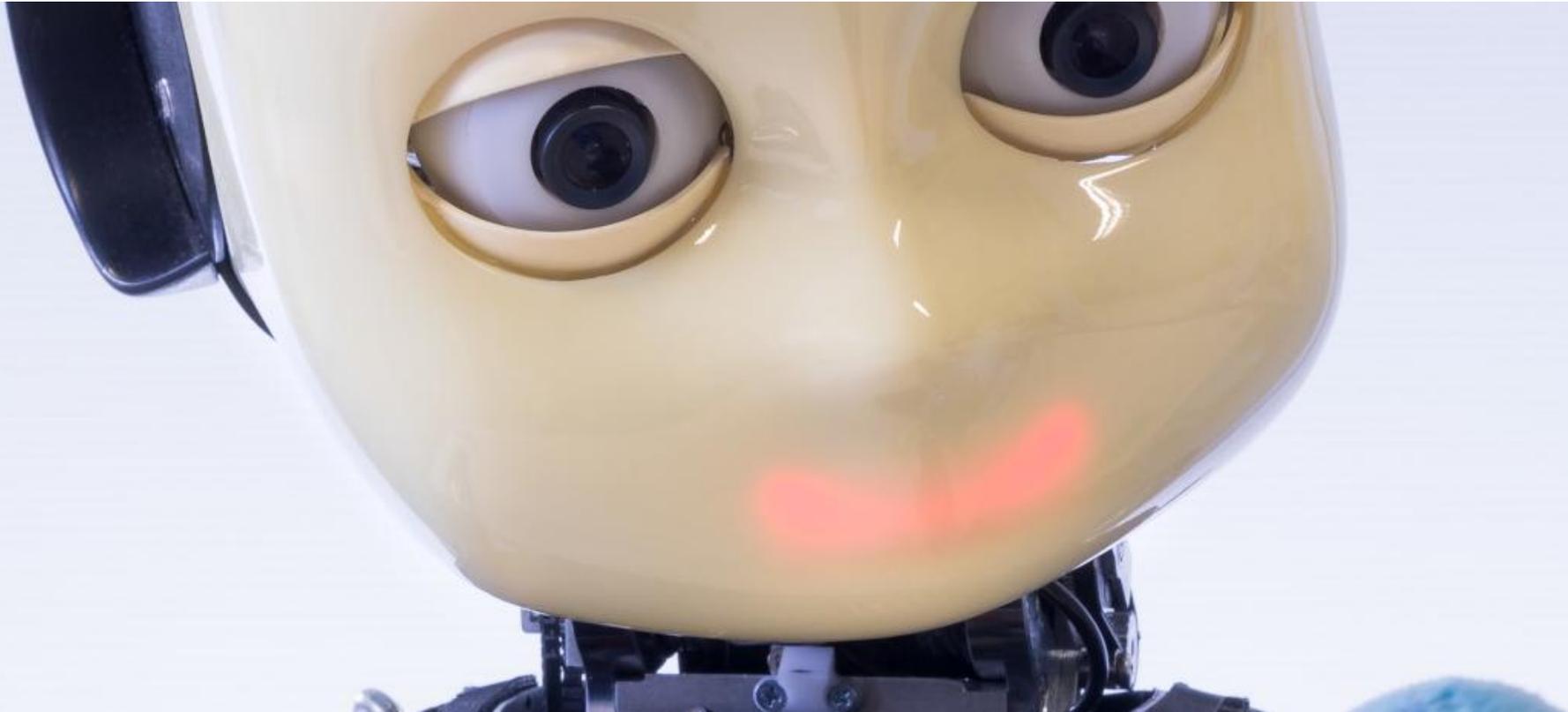
Robotics

Who we are

478 Scientific Staff	**13** Research Units	**5** Facilities	**Genoa** Headquarters	**25%** Women	**40** Countries of origin	**72%** Under 35
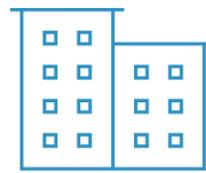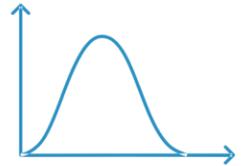
The whole IIT Robotics is at the headquarters

Scientific Staff

Countries of origin of the Scientific Staff

Genoa

PIs/Facility Coordinators 4%
Technologists 2%
Researchers 3%
PostDocs 21%
Technicians 34%
PhD students 36%
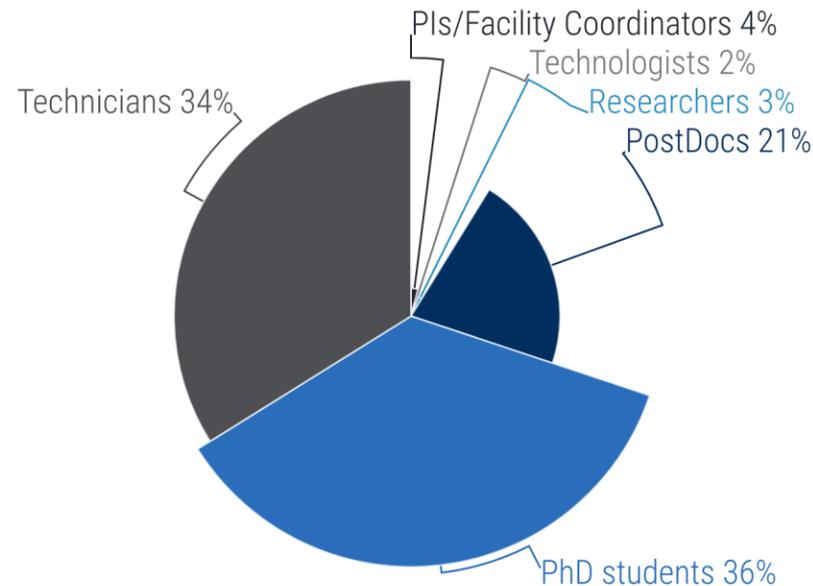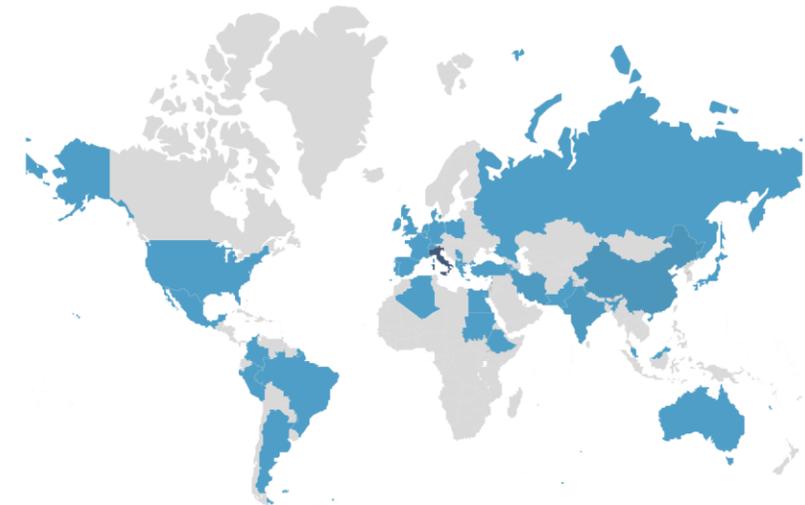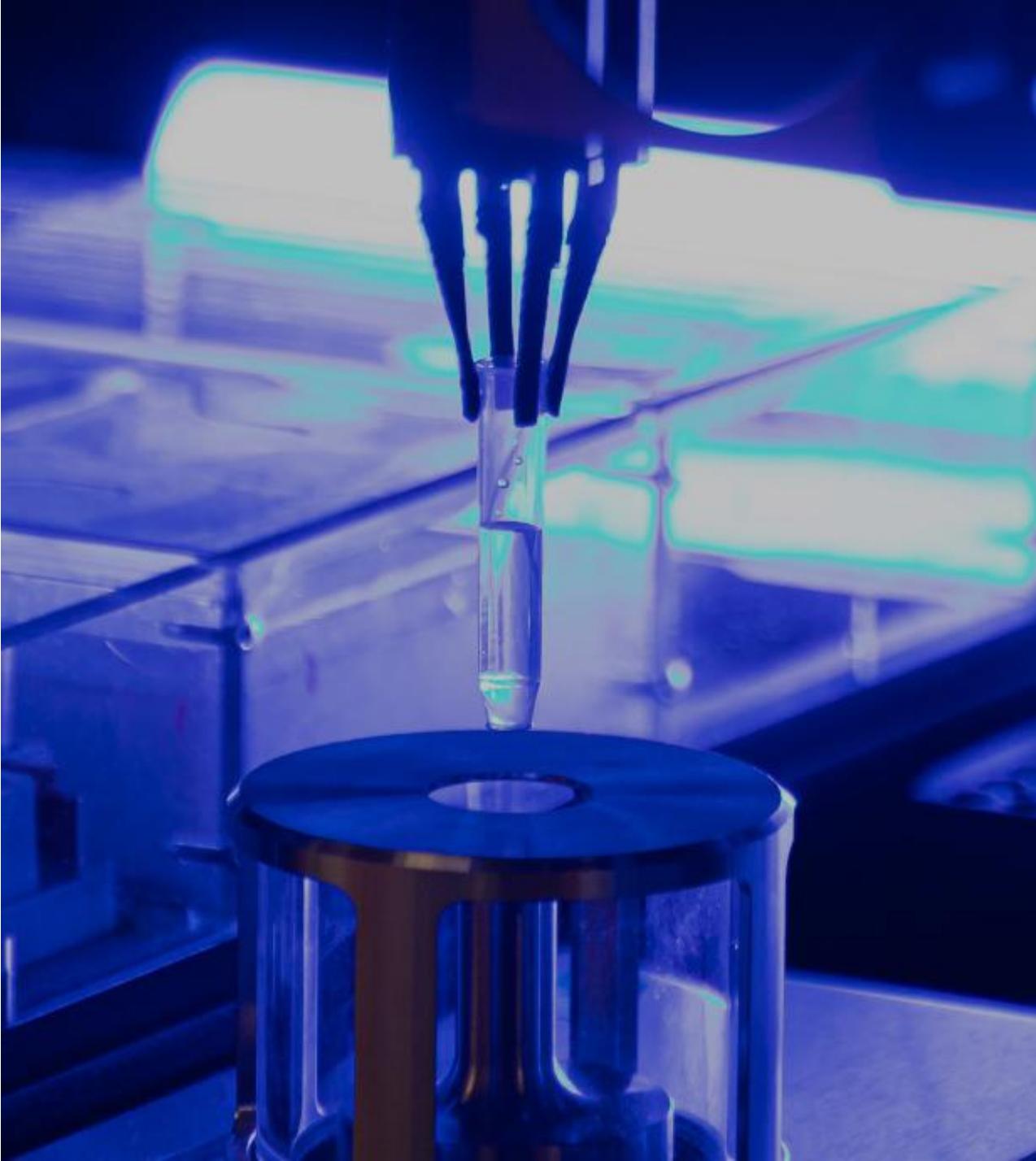
Blue Sky Research
A Visionary Research Programme

We are guided by curiosity, whose results can be unpredictable and surprising

Focus 1	Focus 2	Focus 3
Promotion of excellence and discoveries	Attractiveness and Internationalization	Cutting-edge research laboratories

"The science of today is the technology of tomorrow."
Edward Teller – Hungarian and American physicist (1908-200)

Flagship Programmes

Collaborations across research domains with visionary and ambitious goals

The IIT Flagship programmes aim to address global challenges (climate and aging), technological needs (energy, bioengineering, digital), and emerging trends (AI), leveraging the strengths of IIT research.

Technologies for Sustainability	Brain and Machines	RNA Technologies	Teaching Science to Computers	Technologies for Healthy Living
We aim to manipulate matter at various scales to create a world without pollutants.	We aim to understand and model how the brain processes information to generate behavior.	We aim to understand biology and to find druggable pockets in the molecular processes of cells.	We aim to develop new methods for instilling the laws of physics into data-driven algorithms.	We aim to develop low-cost, noninvasive sensing devices to assess the health status of a person.
Contribution of each Research Domain	Contribution of each Research Domain	Contribution of each Research Domain	Contribution of each Research Domain	Contribution of each Research Domain
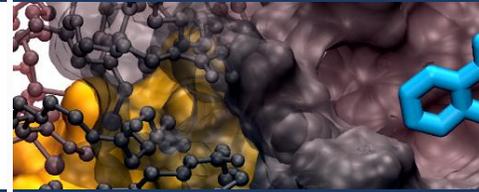
Technologies for Sustainability

Objectives

Current activities (2024-2025)
Material valorisation and upcycle to build new devices

Mid-term objective (2026)
Proof-of-concept low-energy, sustainable (materials) robots for environmental monitoring and remediation

End-of-plan objective (2029)
Low-emission tech, substitution of critical materials, and end-of-life solutions for critical technology/products

Brain and Machines

Objectives

Current activities (2024-2025)

From technology for brain recording to cognitive rehabilitation and robotics

Mid-term objective (2026)

Multiscale, multimodal description of brain activity and behaviour, computational models, and interactive robots
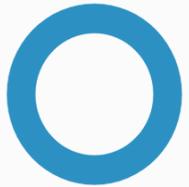
End-of-plan objective (2029)

Models of neural activity and behaviour translated into adaptive robots for intuitive human-robot interaction

RNA Technologies

Objectives

Current activities (2024-2025)
Engineered RNA molecules and their patenting

Mid-term objective (2026)
Create novel RNA drugs, initiate a start-up and collaborations, lead a national RNA-focused scientific network

End-of-plan objective (2029)
Progress an RNA molecule to the investigational new drug stage
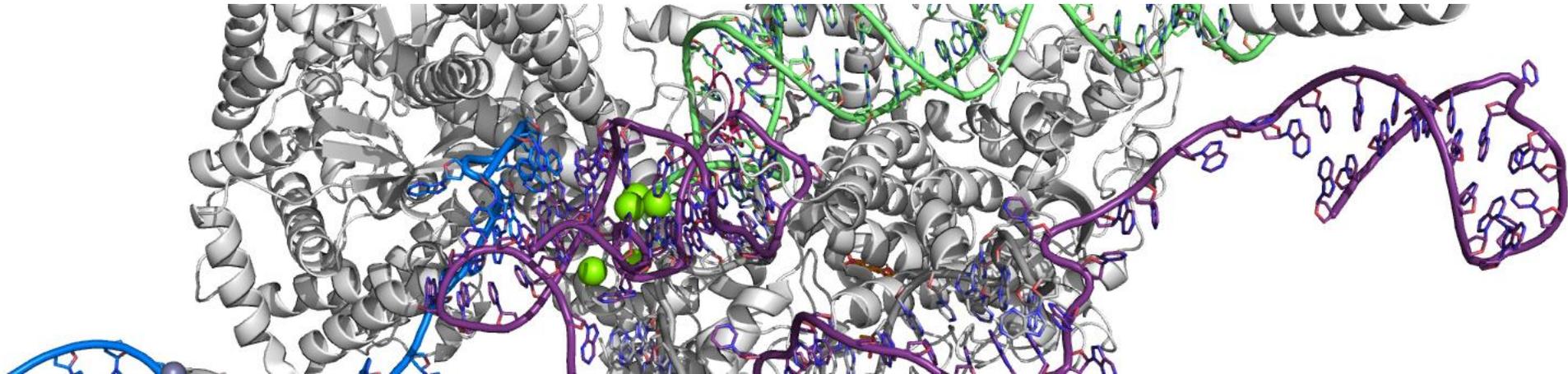
Teaching Science to Computers

Objectives

Current activities (2024-2025)
Efficient and "democratic" machine learning applied to materials, biomolecules and robotics

Mid-term objective (2026)
Reveal, understand, and compute new fundamental principles of chemical and biological processes and of human behaviour

End-of-plan objective (2029)
Efficient and predictive algorithms and software to model complex chemical systems in biology, medicine, materials sciences, and for analysing human behaviour
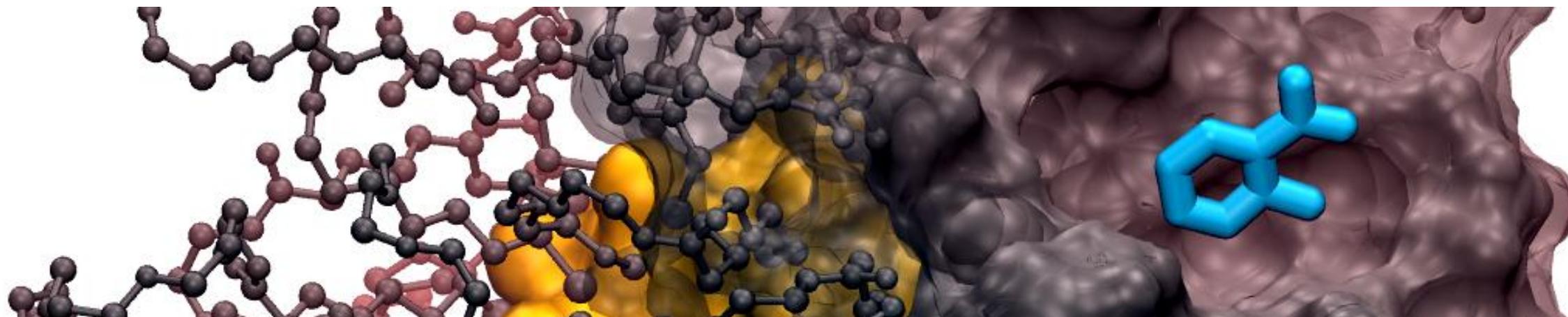
Technologies for Healthy Living

Objectives

Current activities (2024-2025)
One-health approach to a number of "use-cases"

Mid-term objective (2026)
Proof of concept of the intelligent and reactive environment

End-of-plan objective (2029)
Quantitatively assess the value added to healthcare systems by intelligent and reactive environments
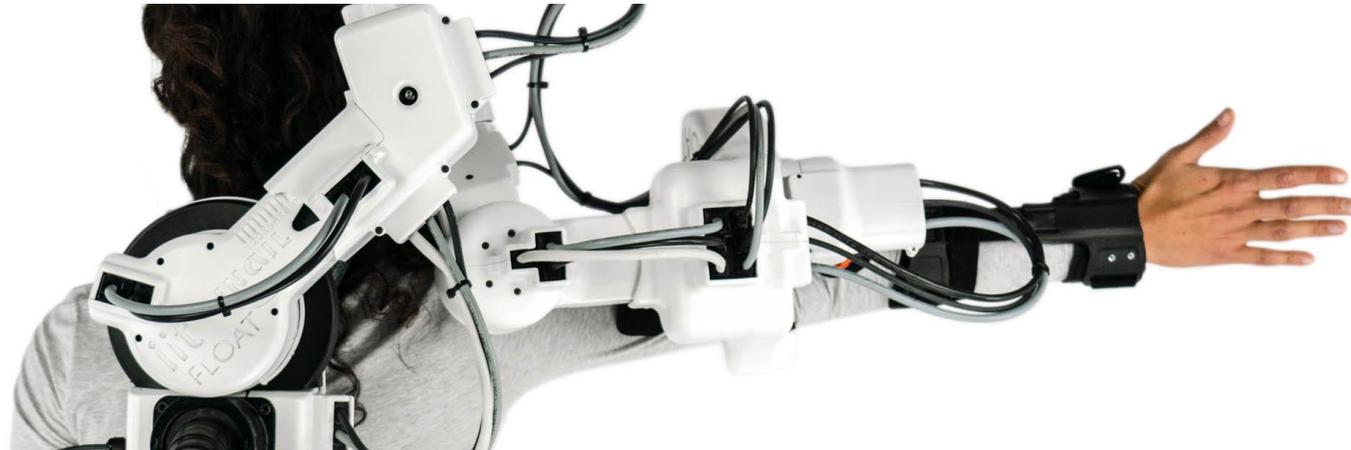
IIT in numbers

Staff, Research Centres and Results

14
Centres
12 in Italy
2 US outstations
50.000 m^2 of labs

1919
Staff
69 countries of origin
36 years average age
45% women
79% scientific staff

950
Competitive Projects
488.0 MEUR
+4.7 MEUR in kind contribution
244 ongoing projects

22700+
Publications
800k+ citations
106k+ impact factor

1042
Industrial Projects
133.2 MEUR
+28.9 MEUR in kind contribution
185 ongoing projects

1340
Patents
433 inventions

15
Joint Labs

41
Startups
~150 Meuro from the financial market
+270 staff involved

IIT Centres

Headquarters, GENOA
(CCT, CHT, CJIR, CRIS, NSYN)

Center for Advanced Biomaterials for Health Care, Università Federico II di Napoli, NAPLES

Center for Material Interfaces, Scuola Superiore Sant'Anna, PONTEDERA

Center for Biomolecular Nanotechnologies, Università del Salento, LECCE

Center for Nano Science and Technology, Politecnico di Milano, MILAN

Center for Clinical and Computational Genomics, AOSTA

Center for Nanotechnology Innovation, Scuola Normale Superiore, PISA

Center for Cultural Heritage Technology, H-FARM, RONCADE

Center for Neuroscience and Cognitive Science, Università di Trento, TRENTO

Center for Genomic Science, Campus IFOM-IEO, MILAN

Center for Sustainable Future Technologies, Politecnico di Torino, TURIN

Center for Life Nano & Neuroscience, Sapienza Università di Roma, ROME

Center for Translational Neurophysiology, Università di Ferrara, FERRARA

U.S. OUTSTATIONS

IIT@Harvard
Harvard University, CAMBRIDGE, MA (USA)

IIT@MIT Massachusetts Institute of Technology, CAMBRIDGE, MA (USA)

TRENTO CNCS@UniTn

AOSTA C3G

TORINO CSFT@PoliTo

MILANO CGS@SEMM CNST@PoliMi

TREVISO CCHT

FERRARA CTNSC@UniFe

GENOVA

PISA CMI@SSSA CNI@NEST

ROMA CLNS@SAPIENZA

NAPOLI CABHC@CRIB

LECCE CBN@UniLe

CRIS
CCT
CJIR
NSYN
CHT

GENOVA

IIT@MIT USA
IIT@Harvard USA
U.S. OUTSTATIONS

IIT CENTRAL RESEARCH LABORATORIES

IIT NETWORK CENTERS

ISTITUTO ITALIANO DI TECNOLOGIA

Staff
Composition, Countries of origin, Average age

79% Scientific Staff

45% Women

36 Average age

Countries of origin of the Scientific Staff

69 Countries

48%
19%
33%
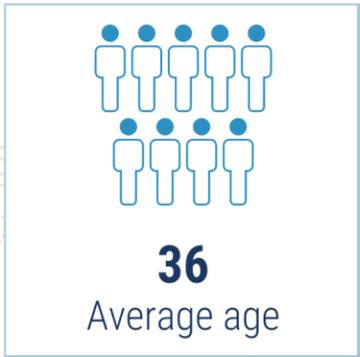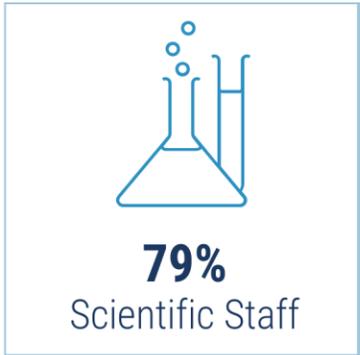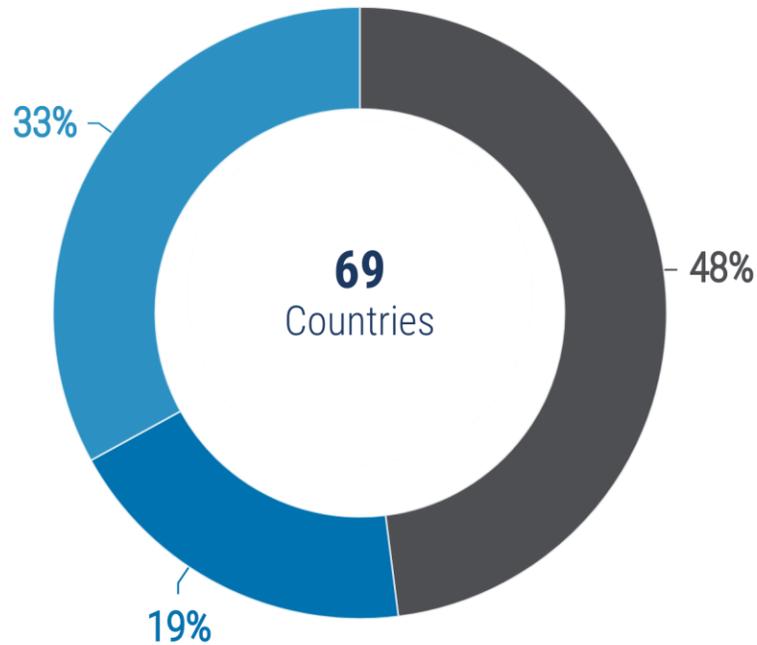
Italians — Italians from abroad — Foreigners

Scientific Staff

34%
32%
20%
7%
7%
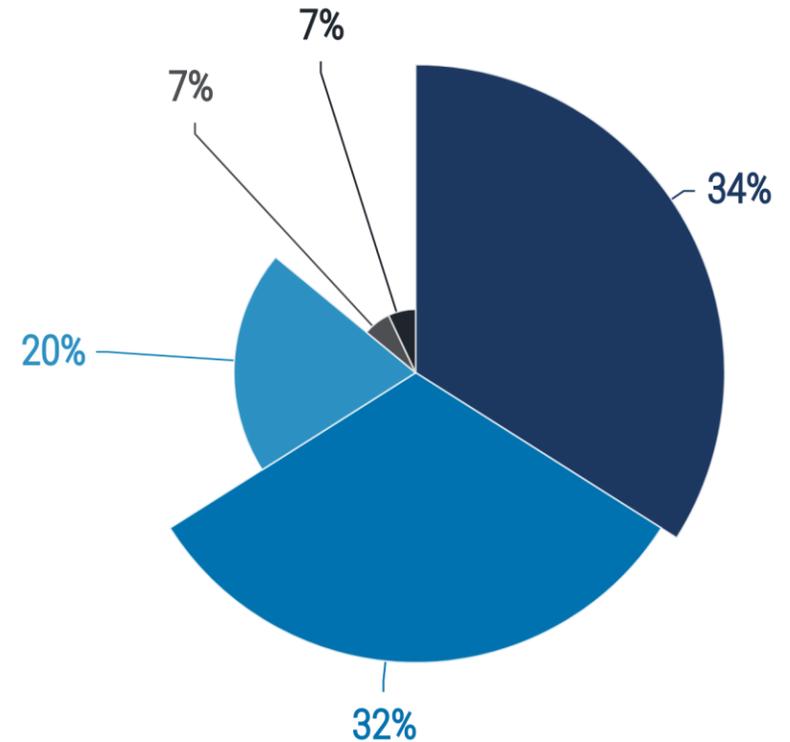
PhD students — PostDocs — Technicians — Researchers — PIs/Facility Coordinators

Competitive Projects
Budget, Types of Projects, and European Research Council (ERC) Grants

950
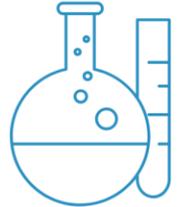
488.0 MEURO
Competitive Projects

4.7 MEURO
In-kind contribution

70
ERC grants

Competitive Projects by Funding Source

950 Projects
244 Ongoing projects

- 49%
- 41%
- 8%
- 2%

ERC grants by grant type

- 3%
- 28%
- 39%
- 25%
- 4%
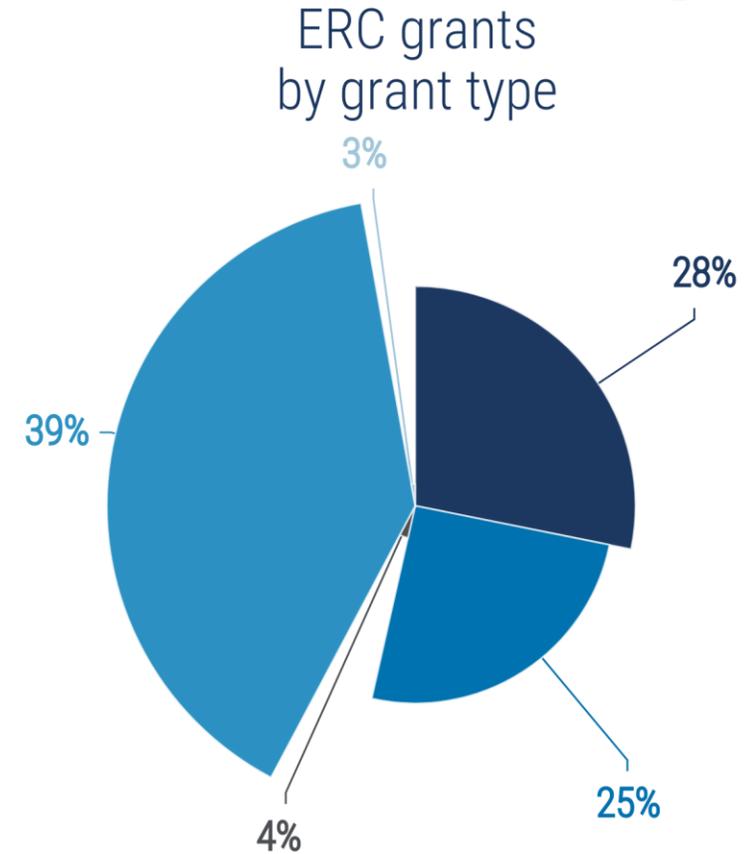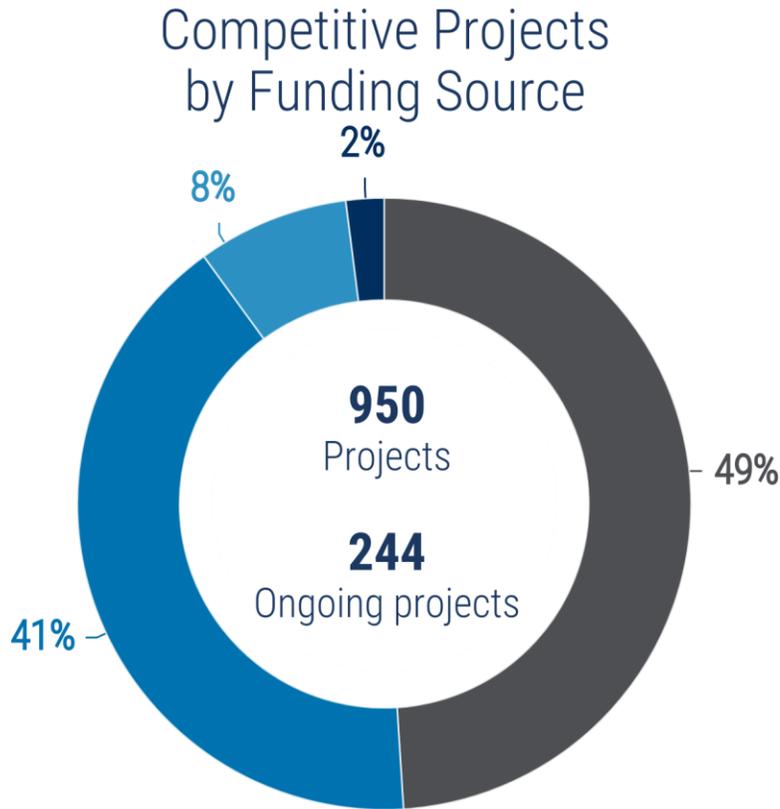
European · National · Foundation · International · Starting · Consolidator · Advanced · Proof of Concept · Synergy

Publications
Publications and Citations

16709
Journal papers

4578
Conference papers

1470
Books/Book series

Publications over the years

● Journal ● Conference ● Book ● Chapter
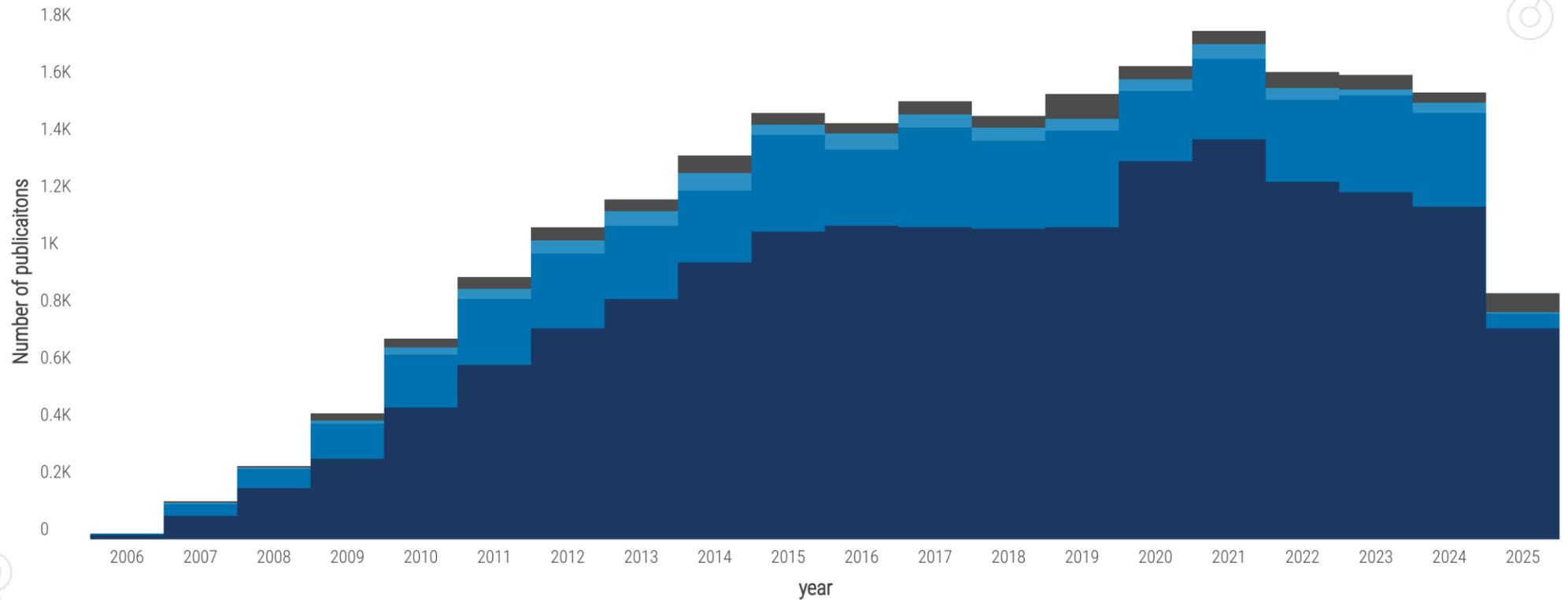
800k+
Citations

Publications
Publications and Citations

16709
Journal papers

4578
Conference papers

1470
Books/Book series

Types of Publications

800k+
Citations

4%
3%
20%
73%
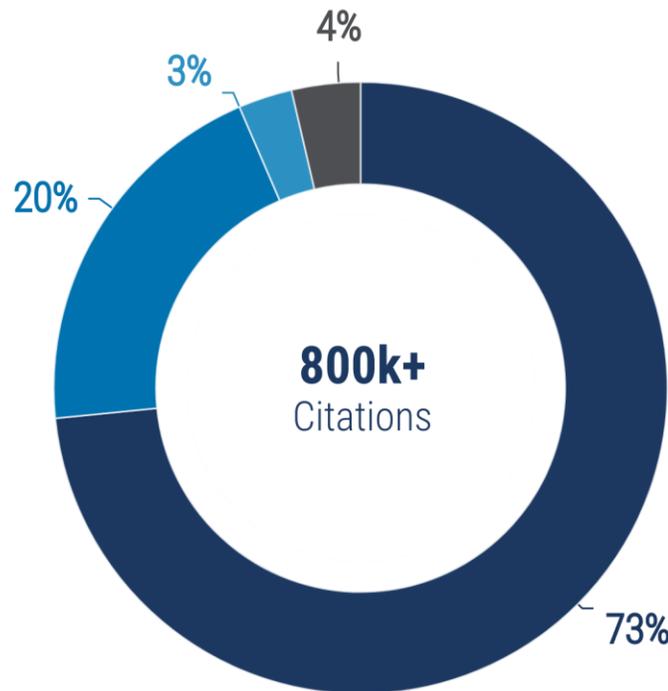
● Journal ● Conference ● Book ● Book series

70%
IIT as first, last, or
corresponding author
(since 2006*)

17%
Top 10% of the
most cited worldwide
(since 2014*)

29%
Top 10% of the
highest-ranked journals
(Since 2014*)

* The metrics for the two most
recent years are not complete and
might exhibit higher fluctuations

Technology Transfer
Industrial Projects, In-kind Contributions, and Patents

133.2 MEURO
Industrial Projects

28.9 MEURO
In-kind contribution

1340
Patents

Mapping of filed patents

| 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
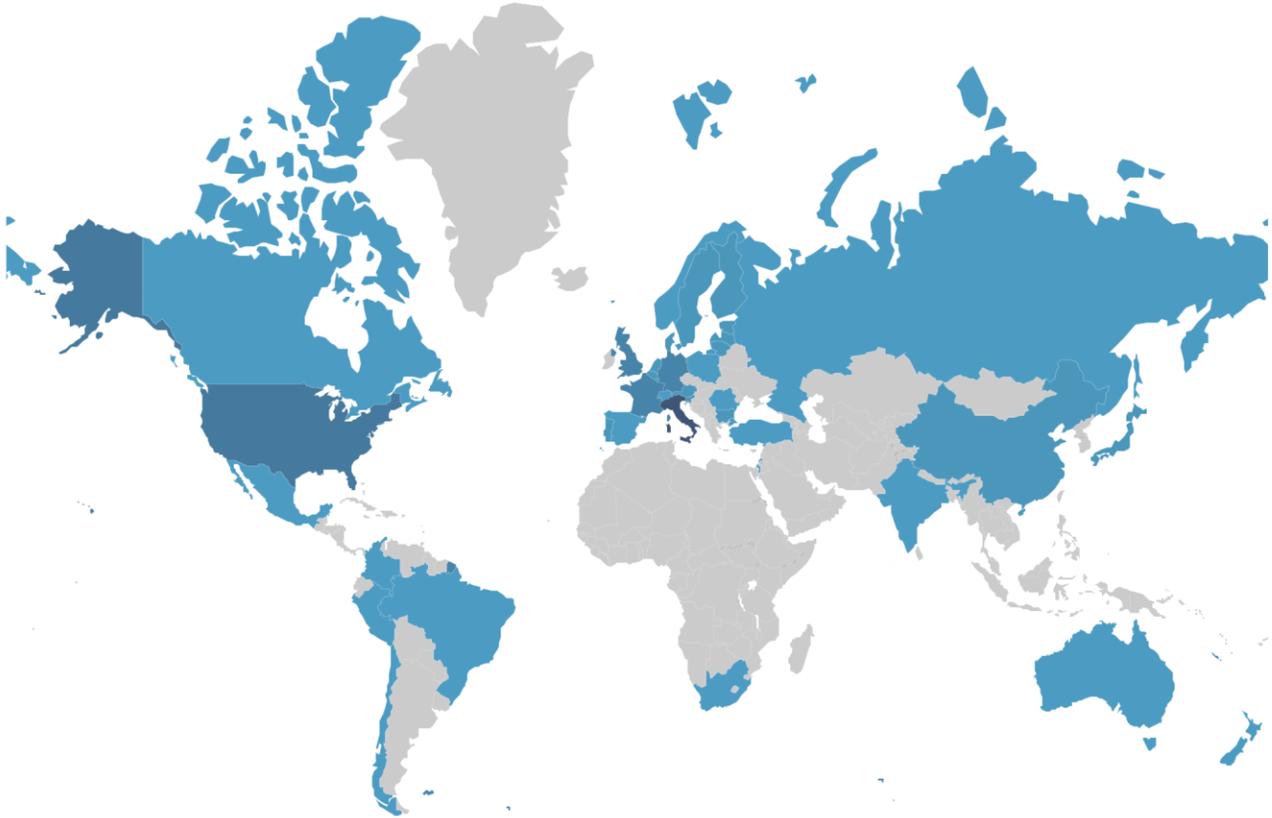
IIT Joint Labs

IIT Start Ups

41 launched startups; ~150 Meuro from the financial market; +270 staff involved

(selection)

H4E
IIT Hub for Entrepreneurship

The Technology Incubator that brings scientific discoveries to market

Modular spaces	Cutting-edge laboratories	Unique resources
Offices, auditorium, meeting rooms, and relax area	Robotics, Mechatronics, Electronics, etc.	Access to powerful computing system Franklin4e

A synergistic environment where entrepreneurs, researchers, and innovators can transform **visionary ideas** into **concrete solutions**

Industrial Liaison Program
A focal point for companies and researchers

For large and medium-sized companies seeking to establish a lasting partnership with the Institute

Technologies

We help companies navigate through developing technologies

Skills

We act as a bridge between companies and researchers

Network

New connections companies-IIT, as well as between the participants

We foster collaboration and support the development of advanced technological innovation projects

Industrial Liaison Program

Membership Benefits

Dedicated Liaison Officer

The Liaison Officer serves as IIT's primary contact for the company

Exclusive Workshop

Participation in IIT-targeted events

Technology Scouting

Dedicated meetings with internationally renowned researchers

Privileged Access to IIT Resources

Access to projects, research, and machinery that are typically not accessible to outsiders

Synergies between Affiliated Companies

Opportunity to explore new areas of development and business

Joint White Paper

Opportunity to write joint papers

Optional Modules

Innovation Day@IIT

Organize a dedicated company event at IIT

Secondment @IIT

A visiting period at IIT for company personnel

Reverse Mentoring

The researcher acts as an informal mentor and guide for the company

Talent connect Day

Showcase and promote career opportunities within the company

Access to IIT scientific talks

Participation in scientific seminars organized by IIT

IIT
WHERE SCIENCE COMES TRUE