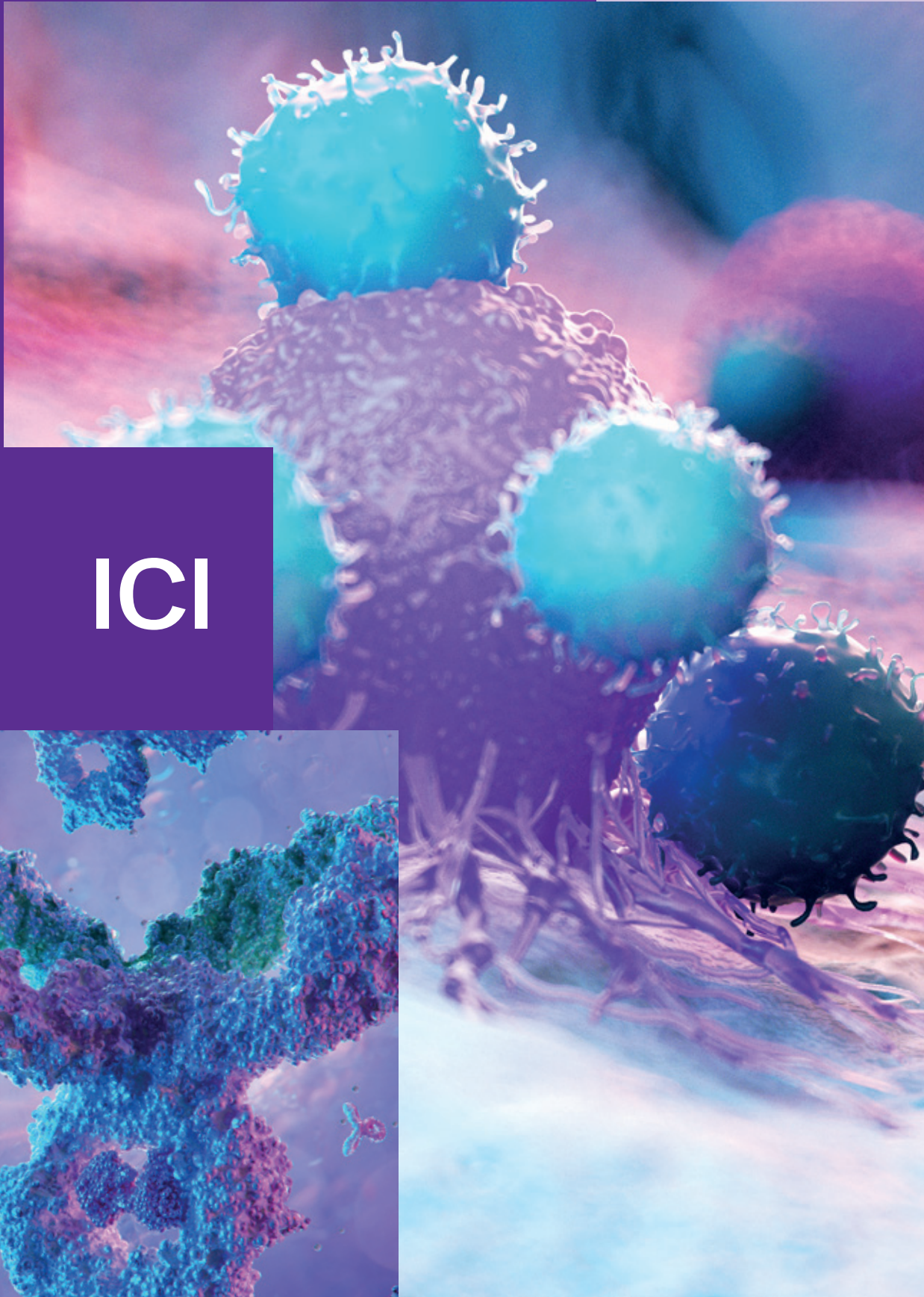




ICI



As a nexus of oncology and immunology, the institute is shaping a united, committed, local and international community, providing an interdisciplinary energy of collective responses to the challenges of training, research and their synergy with the business world.

The Institute for cancer and immunology aims to bring together the medical, scientific and biotechnology communities involved in these disciplines to promote the training of future generations and accelerate the discovery of new treatments based on knowledge of the immune system and cancer cells. To achieve this, the Institute is strengthening collaboration between scientists and clinicians through interdisciplinary research programmes, and implementing existing training by setting up integrated international programmes for training, research and the optimisation of research findings for the benefit of patients.

Forming a community

7 research units

120 research teams

2 doctoral schools

3 faculties

more than 800 staff

more than 500 students (master's and doctoral)



Health

Translational and clinical research

Immuno-oncology

Immunotherapy

Tumour microenvironment - heterogeneity

“Omics” technologies



Bringing disciplines closer together

Health and life sciences

Advanced science and technology

Humanities

Pooled facilities with the
SingleCellEX+ awardee project

Interdisciplinary incentive calls for projects

Initiation of broad interdisciplinary
projects with other interdisciplinary
institutes: IM2B (microbiology, bioenergies
and biotechnology), ISSPAM (public
health), MarMaRa (rare diseases),
NeuroMarseille (neuroscience)

Research & Creation Chair in Oncology
and Immunology in partnership
with Iméra, Institute for Advanced
Study: Innovative, interdisciplinary
artistic research in residence



Acting internationally

CIVIS European Civic University Alliance:
awardee of funding for "Blended
Intensive Programmes (BIPs)" and
"Short-Term Mobility" initiatives

Horizon Europe: awardee of the
"Marie Skłodowska-Curie Actions"
Doctoral Network grant

Joint PhD Programme and European
Degree for "Blended Intensive
Programmes (BIPs)": laboratory
exchanges and summer schools

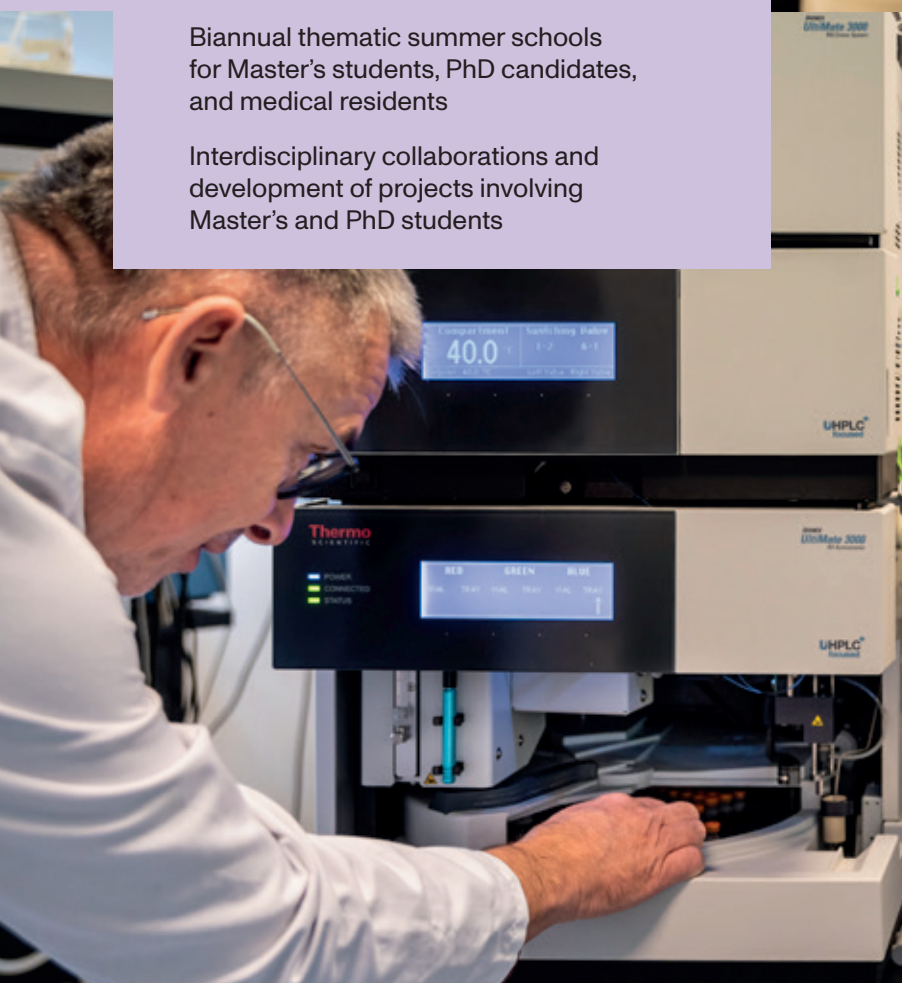
Clinical placements for medical
students, at Institut Paoli-Calmettes
(IPC) and Assistance Publique-
Hôpitaux de Marseille (AP-HM)

Training through and for research

Co-development of new Master's programmes,
a PhD programme, and a joint doctoral degree

Biannual thematic summer schools
for Master's students, PhD candidates,
and medical residents

Interdisciplinary collaborations and
development of projects involving
Master's and PhD students



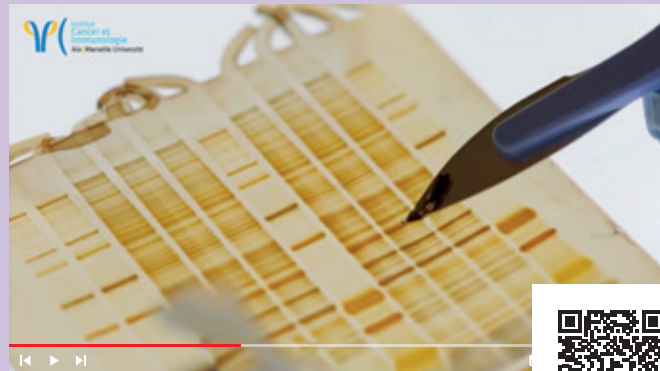
Strengthening partnerships

- AP-HM
- Association BIO'M (Biotech Marseille)
- Cancéropôle PACA (cancer research centre)
- Eurobiomed
- Iméra
- Instituts d'établissement amU
- Institut Paoli-Calmettes
- Kedge Business School
- LUMA Arles
- Marseille Immunology Biocluster (MIB)
- Studio ZICS

Videos



Watch the institute's animated film



The institute as seen by its members

Our executive office

The entire governance team: <https://institut-ici.univ-amu.fr/fr/gouvernance>



Director:
Anthony Gonçalves



Deputy research
director:
Sandrine Roulland



Deputy training director:
Emmanuelle Charafe



Project manager:
Marie-Dominique Franco



Executive assistant:
Stéphanie Bernard



Socio-economic and cultural
world deputy director:
Cristina Ghirelli

Contact

Director:
Anthony Gonçalves

Project manager:
Marie-Dominique Franco

ici-contact@univ-amu.fr

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Focus on our research and creation programme

The Institute for cancer and immunology aims to stimulate the discovery of new avenues for cancer immunotherapy by supporting research and the training of new generations of researchers. It has developed an original, collaborative programme involving researchers, teachers, students, artists, entrepreneurs and patients. The strength of this collective is reflected in the Research & Creation Chair that the ICI is co-funding with Iméra, the Aix Marseille Université institute for advanced study, to support innovative, interdisciplinary artistic research projects that embody the complex challenges of cancer and immunology.

"Rejecting an instrumental approach to art, the ICI/Iméra Research & Creation Chair is based on the principle that artists produce knowledge. Focusing on creation, transmission and impact, the Chair is structured around the following three fundamental areas: therapeutic use of artistic practices; social representations of cancer for the production of illustrated books, films (etc.); consideration of the relationship between artistic practices and clinical and/or scientific practices."

Training at ICI



*Training for, through and in research, with
continuity from master's to doctorate level*



Our training ecosystem

**more than 400
master's students***

3 partner faculties

Faculty of medical and
paramedical sciences (SMPM)
Faculty of pharmacy
Faculty of sciences

**almost 100 PhD
students***

**2 partner doctoral
schools**

Life sciences (ED 658)
Biomedical research (ED 659)

**1 interdisciplinary
PhD programme**

7 key master's

Biology-Health
> Oncology programme
> Health technologies programme
Immunology
Integrative Biology and Physiology
Bioinformatics
> Software Development and Data
Analysis (DLAD) programme
Health Engineering
> Drug Design programme
> Pharmacokinetics programme

* These figures include students enrolled in master's specialisations affiliated with the institute and PhD students enrolled in our partner doctoral schools.

Explore our
full range of
training offers:





Our key actions since 2020

Co-construction of new training programmes and a PhD programme

International hybrid courses with 5 CIVIS partners, European Civic University (Erasmus+ Blended Intensive Programs)

Interdisciplinary summer schools for master's students, PhD candidates and medical students, including theoretical classes and workshops

Short-term mobility within laboratories and platforms

Training seminar series Combined medical and research training programme

4 summer schools

2 blended mobility programmes

more than 300 participants

10 nationalities

1 PhD programme and

1 European doctoral degree delivered by the CIVIS university alliance

"I had the opportunity to take part in the Summer School on "Tumour heterogeneity and single cell approaches" (2021 edition) and the Blended Mobility (2022 edition) organised by the Institute for cancer and immunology. These two programmes were the occasion to attend high-quality lectures on many aspects of immuno-oncology, given by international experts. I also had the opportunity to go on a short mobility trip to Madrid to learn a cutting-edge technique. The programme is also an opportunity to meet international students, expand our network and practise our language skills. So I'm very grateful to the Institute for cancer and immunology's programme for these enriching experiences."



Maëlle Picard
1st year PhD student in the CRCM's Predictive Oncology team

Our international training

**CIVIS alliance
European civic university**

Platform mobility and summer school on tumour and immune heterogeneity

Erasmus+ (Blended Intensive Program), research laboratory mobility and organoid summer school

Internships in hospitals (IPC and AP-HM) for CIVIS medical students

Training seminar series in collaboration with the master programmes "Immunology" and "Integrative Biology and Physiology"

Contact

Deputy training director :
Emmanuelle Charaf

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Research at ICI



Bringing together the cancer research and immunology strengths of the Aix-Marseille site to consolidate our international scientific position



Our research ecosystem

120 teams

7 research units

Health and life sciences

Marseille-Luminy centre for immunology (CIML)

Marseille centre for cancer research (CRCM)

Centre for cardiovascular and nutrition research (C2VN)

Institute for neurophysiopathology (INP)

Advanced science and technology

Adhesion and inflammation (LAI)

Marseille institute for developmental biology (IBDM)

Theories and approaches of genomic complexity (TAGC)

more than 800 staff

Aix Marseille Université

AP-HM

CNRS

INRAE

Inserm

IPC



Our key actions since 2020

Awardee of the “SingleCellEX+” structuring project and co-funding by partners for the purchase of single-cell analysis equipment
> €5m endowment

Awardee of 3 interdisciplinary projects, led by 7 research units, supported by the Amidex foundation

Partnership with Canceropôle PACA (cancer research centre)
> 11 co-funded “Emergence” projects and “Translational research” projects

Annual scientific conference on interdisciplinary fields at the research/clinical interface

Initiation of broad interdisciplinary projects with other interdisciplinary institutes

> Joint research projects with master's and doctoral students in “Cancer and Microbiology”, with the IM2B institute (Microbiology, bioenergies and biotechnology)

> Participatory research with ISSPAM (Public health), MarMaRa (Rare diseases) and NeuroMarseille (Neuroscience)

> Professional skills development with the MarMaRa institute

Mentored seminars with internationally renowned keynote speakers

Our main areas of research

- Signalling pathways in cancer and immune cells
- Multi-scale heterogeneity of tumour and immune systems
- Immune surveillance and inflammatory responses controlling autoimmunity and cancer
- Modulation of immune responses in normal and pathological conditions
- Translational and clinical research in oncoimmunology
- Development of omics and multi-scale analysis technologies



Contact

Deputy research director:
Sandrine Roulland

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"I would like to thank the Institute for cancer and immunology for their dedication to backing projects that are both structuring and innovative with respect to the region. I applied to the 2022 multidisciplinary Amidex call for projects with the help of ICI, which set up a 'fair play' preselection system for all researchers while remaining rigorous about the selection criteria. Following ICI's endorsement, my research project was included in the selection process set up by Amidex. I owe this funding to the quality of ICI's scientific committee. I subsequently called on ICI again, as part of the funding of a thesis project financed by this multidisciplinary Amidex call, to finance a brilliant and atypical foreign student whom it would have been more complicated to recruit through the traditional channels of the doctoral school. I believe that ICI's selection of this student was strongly linked to the consistency of the thesis project with the Amidex funding mentioned above. Finally, I'd also like to mention the help another of my students received from ICI to complete her thesis, which had been severely affected by the lockdown caused by the COVID-19 crisis.

I would like to thank the Institute for cancer and immunology and its committees not only for the funding received, but also for the Institute's other activities, i.e. conferences and training courses."



Cyril Fauriat
CR, CRCM

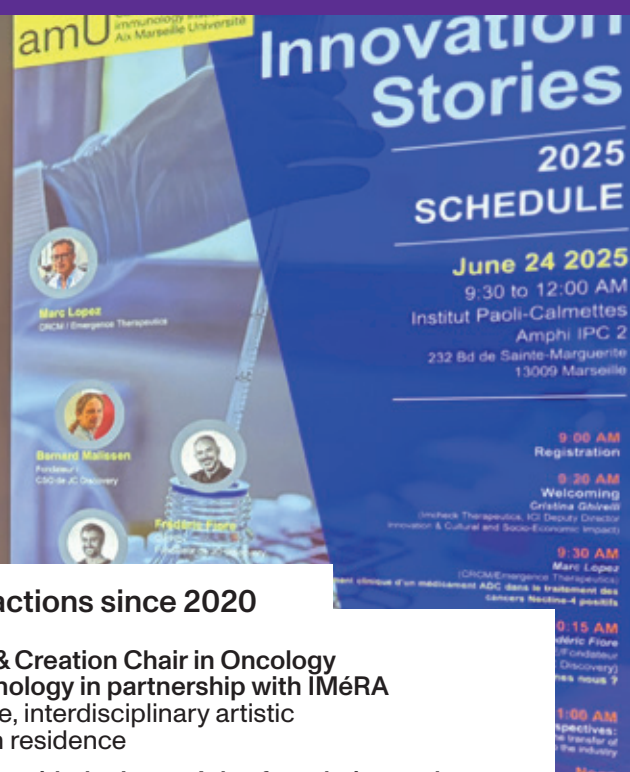
Awardee of the Interdisciplinary
Call for Projects 2022 and the ICI
PhD Call for Projects 2023



ICI partnerships



Strengthening and developing special links with academic and institutional players and the socio-economic and cultural world



Our key actions since 2020

Research & Creation Chair in Oncology and Immunology in partnership with IMÉRA
> Innovative, interdisciplinary artistic research in residence

Partnership with the Luma Arles foundation and Pierre Huyghe for his "After UUmwelt" exhibition
> Coproduction of imaginary worlds between humans and artificial intelligence

Collaborative immunotherapy mural project with Studio Zics

Participation in the Science and Arts Festival of Aix Marseille Université

Career workshops, Networking afterwork events, and ICI breakfast talks on innovation and socio-economic collaboration
> Training in the economic context of the healthcare industries and entrepreneurship in the biomedical sector

R&D seminar in collaboration with Kedge Business School
> to raise awareness of innovation in healthcare and strategic analysis

Seminar series "Innovation stories"

Development of public-private partnerships

"ICI's objectives and their common research areas of interest made it obvious that our two organisations should join forces. The partnership we have forged over the last few years means we can pool our resources to support research projects by junior researchers, particularly through the cancer research centre's Emergence call for projects."



Johanna Kabadanian
Director Canceropôle PACA



Our key partners include:

Internationally

Eberhard Karls Universität
Tübingen
Emergence Therapeutics
Paris Lodron Universität Salzburg
Sapienza Università di Roma
Universidad Autónoma de Madrid
Université Libre de Bruxelles
University of Bucharest

In France

CNRS
Inserm
INRAE
INRIA
Imcheck Therapeutics
Luma Arles

In the Aix-Marseille area

AP-HM
Beckman Coulter - Immunotech
BIO'M
Cancéropôle PACA
Eurobiomed
Innate Pharma
Institut Paoli-Calmettes
Iméra, Institute for Advanced
Study of Aix Marseille Université
Kedge Business School
Marseille Immunologie
Biocluster (MIB)
PUI Provence
SATT Sud-Est
Studio Zics

Contact

Deputy director of the socio-
economic and cultural world:
Cristina Ghirelli

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The Institute for cancer and immunology brings together teams on 5 university and scientific sites

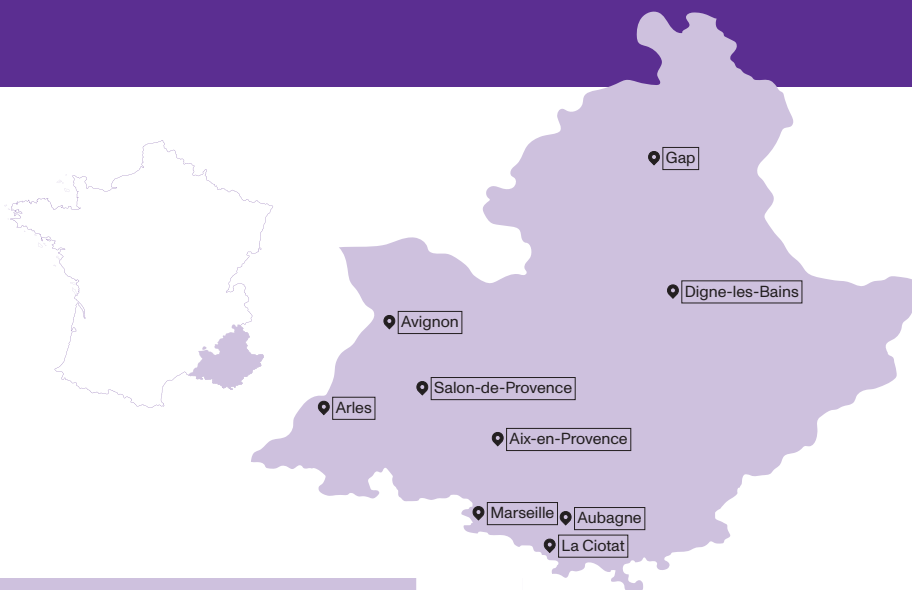
Nord site



Joseph Aiguier site



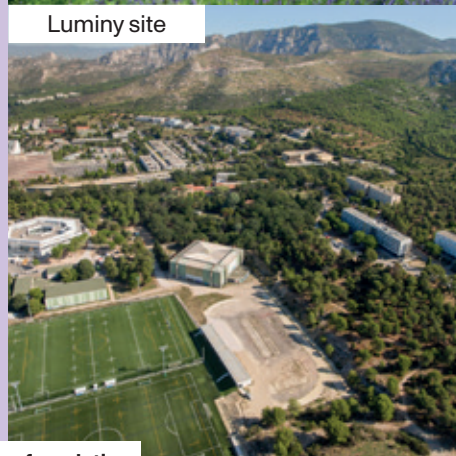
Paoli-Calmettes site



Timone site



Luminy site



The Aix Marseille Université institutes are coordinated by the Amidex foundation

amidex Aix Marseille Université



Aix Marseille Université institutes: facilitators to strengthen the research-training link, interaction with the economic and cultural world, interdisciplinarity and internationalisation around twenty or so strategic fields of research. Their core unifying role: training a new generation of academics to meet the scientific and societal challenges of our time!

The Aix-Marseille Excellence Initiative, a consortium between Aix Marseille Université and 8 partners