

## Research units

[le fichier](#) The innovative potential of the UPJV is embodied by its 35 research units recognised by the Ministry of Higher Education, Research and Innovation (MESRI). Some of these units are accredited by the largest research organisations in France (show logos) :

6 are associated with the National Centre for Scientific Research (Centre National de la Recherche Scientifique, CNRS)

2 are associated with the National Institute of Health and Medical Research (Institut national de la santé et de la recherche médicale, INSERM)

1 is associated with the National Institute for Industrial Environment and Risks (Institut national de l'environnement industriel et des risques, INERIS)

1 is associated with the National Research Institute for Agriculture, Food and the Environment (Institut national de recherche pour l'agriculture, l'alimentation et l'environnement, INRAE)

These 35 research units cover 3 disciplinary fields :

Science (12 research units)

Health (11 research units)

Human and Social Sciences (12 research units).

The UPJV's research programme is structured around federating themes, which you can find out about by consulting the presentation sheets or the websites of the research units below.

## HEALTH

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### **AGIR - Infectious agents, resistance and chemotherapy (UR UPJV 4294)**

Director : Pascal Sonnet

AGIR aims to work on new antimicrobial molecules, to understand their biomolecular mechanisms of action and to study infectious agents and resistance phenomena.

<https://agir.u-picardie.fr/>

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### **APERRE - Physiological adaptations to exercise and rehabilitation (UR UPJV 3300)**

Director : Saïd Ahmaïdi

APERRE studies the cardiorespiratory, muscular and metabolic adaptations inherent in deficient human motor skills (rehabilitation to exercise in people with disabilities) and efficient human motor skills (physical performance in athletes).

<https://www.u-picardie.fr/unites-de-recherche/apere/>

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### **HEMATIM - Haematopoiesis and Immunology (UR UPJV 4666)**

Director: Loïc Garçon

HEMATIM studies the mechanisms involved in normal and pathological haematopoiesis and lymphopoiesis.

<https://www.u-picardie.fr/unites-de-recherche/hematim/>

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### **LPCM - Laboratory of cellular and molecular physiology (UR UPJV 4667)**

Director: Halima Ouadid-Ahidouch

The LPCM is working to elucidate the role of ion channels and intracellular calcium in the pathophysiology of the human mammary gland.

<https://lpcm.u-picardie.fr/>

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#### **PÉRITOX - Perinatal and toxic risks (UMR-I INERIS 01)**

Director: Véronique Bach

PÉRITOX aims to study the effects of toxic and physical environmental agents on the health of pregnant women and children.

<https://peritox.u-picardie.fr/>

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#### **GRAMFC - Research group on multimodal analysis of brain function (UMR-S INSERM 1105)**

Director: Fabrice Wallois

The GRAMFC is developing tools for the simultaneous analysis of changes in local cerebral electrical and haemodynamic activity in physiological and pathological situations, particularly in newborns.

<https://gramfc.u-picardie.fr/>

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#### **GRAP - Research Group on Alcohol and Drug Dependence (UMR-S INSERM 1247)**

Director: Mickaël Naassila

The GRAP studies the genetic and environmental factors involved in vulnerability to alcohol dependence, in particular early exposure (*in utero/adolescence*).

<https://grap.u-picardie.fr/>

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#### **LNFP - Functional Neuroscience and Pathology Laboratory (UR UPJV 4559)**

Director: Olivier Godefroy

The LNFP combines ophthalmology, neurology and psychiatry to study the mechanisms of visual or spatial information processing, multisensory integration, attentional processes and executive functions.

<https://lnfp.u-picardie.fr/>

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#### **CHIMERE - Surgery and Cephalic Extremity Morphological and Functional Characterisation (UR UPJV 7516)**

Director: Sylvie Testelin

CHIMERE aims to: personalise the diagnosis and therapeutic approach to head and neck surgery; morphological and functional characterisation of pathologies of the cephalic extremity.

<https://chimere.u-picardie.fr/>

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#### **MP3CV - Pathophysiological mechanisms and consequences of cardiovascular calcifications - Role of cardiovascular and bone remodelling (UR UPJV 7517)**

Director: Saïd Kamel

MP3CV studies the molecular and cellular mechanisms of cardiovascular calcification, which is often associated with significant cardiovascular risk and is found in patients with chronic renal failure or inflammatory diseases.

<https://mp3cv.u-picardie.fr/>

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#### **SSPC - Simplifying care for complex patients (UR UPJV 7518)**

Director: Jean-Marc Régimbeau

SSPC aims to acquire large-scale, multidisciplinary data on complex patients and their outcomes to assess the feasibility of AMR-type management.

<https://www.u-picardie.fr/unites-de-recherche/sspc/>

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### **LPMC - Condensed Matter Physics Laboratory (UR UPJV 2081)**

Director: Mimoun El Marssi

The LPMC is developing expertise in new materials with great technological potential: ferroelectric complex oxides and microstructured materials and functional surfaces.

<https://www.u-picardie.fr/unites-de-recherche/lpmc/>

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### **LRCS - Laboratory of Reactivity and Solid-State Chemistry (UMR CNRS 7314)**

Director: Mathieu Morcrette

The LRCS develops expertise in the development and characterisation of materials, particularly in the field of energy storage and conversion.

<https://www.lrcs.u-picardie.fr/>

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### **PSC - Physics of complex systems (UR UPJV 4663)**

Director: Claire Meyer

PSC is composed of both experimental and theoretical researchers. The fundamental research carried out in this team, with a broad spectrum of applications, focuses on two axes: liquid crystals and the theory of complex systems.

<https://www.u-picardie.fr/unites-de-recherche/psc/>

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### **BIOPi - Plant Biology and Innovation (UMR INRAE Transfrontalière BioEcoAgro BEA 1158)**

Director: François Mesnard

BIOPi works on understanding cell wall modifications during plant development, biosynthetic pathways, in particular lignans, and root metabolism for the production of molecules of interest.

<https://biopi.u-picardie.fr/>

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### **EDYSAN - Dynamic Ecology of Human Systems (UMR CNRS 7058)**

Director: Guillaume Decocq

EDYSAN focuses on the multiscale and integrated analysis of the dynamics of production spaces and systems (forestry and agrosystems) in the context of global changes and their ecological, environmental and human impacts.

<https://www.u-picardie.fr/edysan/>

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### **B2R - Basins - Reservoirs - Resources (U2R 7511 UPJV/UNIL)**

Director: Geoffroy Mahieux

B2R studies the evolution of sedimentary basins, reservoirs and sources of fossil and renewable energy (hydrocarbons, geothermal energy, water).

<https://www.unilasalle.fr/b2r>

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### **GEC - Enzymatic and Cellular Engineering (UMR CNRS 7025 UPJV/UTC)**

Amiens Director: Catherine Sarazin

The activities of the GEC research unit are focused on the study and implementation of biocatalysts, using functional and integrative approaches at 3 levels of complexity (molecular, supramolecular and cellular).

<http://www.UMR7025-gec.fr/>

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### **LG2A - Laboratory of Antimicrobial and Agro-Resource Glycochemistry (UMR CNRS 7378)**

Director: José Kovensky

The LG2A develops research in the field of carbohydrate and heterocycle chemistry (synthesis, structure, mechanisms of action), structured around three axes: health, green chemistry and hybrid materials.

<https://www.u-picardie.fr/labo/LG/>

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### **EPROAD -Eco-processes, optimisation and decision support (UR UPJV 4669)**

Director : Mhand Hifi

EPROAD is composed of an ICST team focused on operational research, an IPS team focused on materials and process engineering, and a transversal axis oriented towards the optimisation of industrial ecosystems.

<https://www.u-picardie.fr/eproad/>

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**MIS - Modelling, Information and Systems (UR UPJV 4290)**

Director: Gilles Dequen

The MIS is a research unit in digital sciences. It develops expertise in computer science, automation, robotics and computer vision.

<https://www.mis.u-picardie.fr/>

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**LAMFA -L The Amiens Laboratory of Fundamental and Applied Mathematics (Laboratoire amiénois de mathématique fondamentale et appliquée) (UMR CNRS 7352)**

Director: Ivan Marin

LAMFA is a mathematics laboratory structured around three teams: applied analysis, group theory and probability, arithmetic and dynamics.

<http://www.lamfa.u-picardie.fr/>

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**LTI - Laboratory of Innovative Technologies (UR UPJV 3899)**

Director: Pascal Vantomme

The LTI has a scientific focus on the efficient use of energy resources for sustainable development, within a framework that is articulated around two axes: "Mechanics and Coupling" and "Energy and Systems".

<http://lti-picardie.fr/>

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## HUMAN AND SOCIAL SCIENCES

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**CHSSC - Centre for the History of Societies, Sciences and Conflicts (UR UPJV 4289)**

Director: Philippe Nivet

The CHSSC presents a transdisciplinary project focusing on the modern and contemporary period and associating historians, historians of science and physicians in the study of the major conflicts of the 20th century in an innovative way.

<https://chssc.u-picardie.fr/>

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**CRAE - Centre for Research in Arts and Aesthetics (UR UPJV 4291)**

Director: Androula Michael

The CRAE is a research laboratory in arts and aesthetics, covering the whole field of art studies, from art philosophy and art theory, to art history, visual and performing arts and music. It works in partnership with several national and international research centres.

<https://www.u-picardie.fr/crae/>

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**HM - Habiting the World (UR UPJV 4287)**

Director: Sophie Chevalier

HM brings together geographers, sociologists, philosophers, ethnologists and specialists in visual anthropology to discuss the construction of social identities.

<https://hm.u-picardie.fr/>

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**TRAME - Texts, representations, archaeology, authority and memory from Antiquity to the Renaissance (UR UPJV 4284)**

Director: Laurence Boulègue

The disciplinary field of the TRAME research unit extends from literature (ancient and modern, French and foreign) to history, art history and archaeology, over a period from Antiquity to the Renaissance.

<https://www.u-picardie.fr/unites-de-recherche/trame/>

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**CRP-CPO - Centre for Research in Psychology: cognition, psychism and organisations (UR UPJV 7273)**

Director: Béatrice Bourdin

The CRP-CPO is interested in processes related to social cognition, language development and memory and

attention processes in healthy subjects and subjects with disabilities and pathologies. The unit also studies the problems of interaction of a subject with a disability with his family, social, organisational and technological environment.

<https://crpcpo.u-picardie.fr/>

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**CAREF - The Amiens Education and Training Research Centre (Centre amiénois de recherche en éducation et formation) (UR UPJV 4697)**

Director: Alain Maillard

CAREF focuses on education and training with an international comparative approach structured around three axes: educational policies, teaching and training practices, and intergenerational changes in educational, social, comparative and intercultural integration.

<https://www.u-picardie.fr/unites-de-recherche/caref/>

**CEPRISCA – The Amiens Centre of Civil Law and Criminal Sciences (Centre de droit privé et de sciences criminelles d'Amiens) (UR UPJV 3911)**

Director: Cédric Glineur

CEPRISCA is a multidisciplinary private law research unit whose main activities are in the fields of civil law, commercial law, health law, criminal law, procedural law and labour law.

<https://www.u-picardie.fr/unites-de-recherche/ceprisca/>

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**CURAPP-ESS - University Centre for Research on Public Action and Politics - Epistemology and Social Sciences (UMR CNRS 7319)**

Director: Nathalie Le Bouteillec

The CURAPP-ESS is an interdisciplinary social science research unit with a specific focus on political and legal sciences.

<https://www.u-picardie.fr/curapp/>

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**CRIISEA – The Amiens Institutional, Industrial and Economic Systems Research Centre (UR UPJV 3908)**

Director: Stéphane Longuet

The CRIISEA brings together teacher-researchers in economics and management around two research axes: "Institutional and Organisational Change" and "Governance and Coordination".

<https://www.u-picardie.fr/CRIISEA/index.php>

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**CERCLL - Centre for the Study of Linguistic and Literary Relations and Contacts (UR UPJV 4283)**

Director: Anne Duprat

The CERCLL focuses on a specific theme, that of cultural transfers and exchanges in Europe, the USA and Latin America.

<https://www.u-picardie.fr/unites-de-recherche/cercll/>

**CORPUS - Conflicts, Representations and Dialogues in the Anglo-Saxon World (UR UPJV 4295)**

Director: Frédérique Spill

CORPUS specialises in the study of language and memory in English-speaking countries.

<https://www.u-picardie.fr/unites-de-recherche/corpus/>

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**CEHA – The Amiens Centre for Hispanic Studies (UR UPJV 4285)**

Director: Rica Amran

The CEHA aims to structure research in different areas of Hispanic history, literature, culture and civilisation.

<https://www.u-picardie.fr/unites-de-recherche/ceha/>

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