

Laboratories/Research groups taking part in the TEAM project at Université Pierre et Marie Curie

Laboratory and thematic field	Research groups and subjects	More details	Website	Contact person
LIP 6/ Computer science		The LIP6's research is organized into twenty teams divided into 6 thematic departments. Three teams are common with Inria Paris - Rocquencourt.		
	LIP6/Scientific Computing		link	Mohab.Safey (at) lip6.fr
	LIP6/Databases and machine learning		link	Bernd.Amann (at) lip6.fr
	LIP6/Décision, Systèmes Intelligents Recherche opérationnelle		link	Patrice.Perny (at) lip6.fr
	LIP6/Networks and Systems		link	Sebastien.Tixeuil (at) lip6.fr
	LIP6/Complex Systems		link	Matthieu.Latapy (at) lip6.fr
	LIP6/Systems On Chips		link	Marie-Minerve.Louerat (at) lip6.fr

L2E/Electronics and Electromagnetism Laboratory		The research activities of L2E aim to provide a range of analysis methods and models to explain phenomena of electromagnetic wave propagation in complex environments, and innovative or disruptive electronic solutions to meet specific needs expressed in the domains of telecommunication, health, defense, aerospace and automotive industry. Its originality is based mainly on this multidisciplinary research.		aziz.benlarbi_delai (at) upmc.fr
	L2E/MINA, micro and nanometric scale	Performance's improvement of electronic, opto-electronic and mecatronic systems.	link	
	L2E/P-SYS, millimeter and sub-millimeter scale	Connected systems in personal and human body environments.	link	
	L2E/MEDRA, centimetric and metric scale	Development and exploitation of electromagnetic (EM) models for ground observation and surveillance.	link	
	L2E/transverse biomedical theme ABILE	Implementing next concepts and ad hoc solutions to add in the analysis, assist the practitioner and take care of the patient.	link	
ISIR/Intelligent Systems and Robotics		The ISIR is a joint research laboratory which between UPMC and the Centre National de la Recherche Scientifique (CNRS). The ISIR is linked to the Faculty of Engineering of UPMC and also to the Institute for Science and Systems Engineering (INSIS) of the CNRS.		
	ISIR/AGATHE	Assistance to Gesture with Applications to THERapy One goal: assist human movements by the mean of a robotic device	link	Guillaume.morel (at)upmc.fr
	ISIR/AMAC	Architectures and Models for Adaptation and Cognition	link	stephane.doncieux (at) upmc.fr
	ISIR/INTERACTION	Developing sciences and technics for agents to communicate with physical and virtual worlds through optical, mechanical and acoustic means	link	stephane.regnier (at) upmc.fr

	ISIR/SYROCO	COmplex RObotics SYstems	link	faiz.ben_amar (at) upmc.fr
LIMICS/Laboratory in Medical Informatics and Knowledge Engineering in e-Health		The LIMICS performs multidisciplinary research in computer science and e-Health. It offers innovative approaches to biomedical information processing at both methodological and application levels for various categories of stakeholders. These research activities are related to the disciplines of knowledge and models engineering, decision support systems, translational bioinformatics and clinical research informatics.		marie-christine.jaulent (at) inserm.fr
	Axe 1 : Decision support systems for medical research and patient care	Develop new means for the collection of standardized structured data both for the Electronic Healthcare Record and for the constitution of cohorts and clinical trials.	link	
	Axe 2 : Engineering health information	Design methods and tools for the development and evaluation of terminological and ontological resources in health.	link	
LIB/Biomedical Imaging Lab		The LIB specializes in fundamental research and applications of biomedical imaging methods for morphologic, functional and molecular exploration of small animals and humans. The main investigation foci are among the twenty-first century public health priorities: bone, cancer, cardiovascular and neurological diseases.		
	Determinant of Bone Mechanical Status (DBMS)	The main research interest of the group DMBS is bone quantitative ultrasound (QUS) with a focus on osteoporotic fracture risk.	link	Quentin.grimal (at) upmc.fr Pascal.laugier (at) upmc.fr
	Imaging and therapy development: nanostructures to humans (ITD)	The ITD team develops new theranostic methods to better control targeted activation of therapeutic vectors.	link	Lori.bridal (at) upmc.fr

	Cardiovascular Imaging	The main goal of the Cardiovascular Imaging Team is to design and validate novel multimodality imaging biomarkers (MRI, CT, US) relevant to cardiac and arterial physiology and pathophysiology and to apply these phenotypes to the clinical evaluation of selected individuals and populations.	link	Nadjia.kachenoura (at) lib.upmc.fr
	Anatomo-functional dynamical systems in human, alteration and functional recovery (ADSH)	This team develops and applies multimodal and integrative methods to assess the anatomo-functional organization of the human brain and spinal cord.	link	Veronique.marchand (at) upmc.fr
LCQB/Laboratory of Computational and Quantitative Biology		LCQB is an interdisciplinary laboratory. It is built to promote a balanced interaction of theoretical and experimental approaches in biology and to foster the definition of new experimental questions, data analysis and modeling of biological phenomena.		
	Analytical Genomics	The group works on various problems connected with the functioning and evolution of biological systems.	link	Alessandra.carbone (at) lip6.fr
	Biology of Genomes	Our research projects aim at understanding the biology and the evolution of eukaryotic genomes.	link	Gilles.fischer (at) upmc.fr
	Diatom Genomics	Diatoms are a key phytoplankton group in the contemporary ocean. Major objective of our research is to fully exploit novel genetic tools and genomic information to identify the mechanisms controlling diatom growth and distribution in the marine environment.	link	Angela.falciatore (at) upmc.fr
	Genetic Networks	We study the functioning and the evolution of genetic networks that control gene expression in yeast.	link	Frederic.devaux (at) upmc.fr
	Genomic Physics	The Genomic Physics group combines tools from theoretical physics to study biological questions concerning genomes and the cells that carry them.	link	Marco.cosentino-lagomarsino (at) upmc.fr

	Mathematical Modeling in Biology	The team's aim is to analyze, theoretically or in collaboration with experimentalists, biological systems and processes with an approach which combines biological mechanisms and mathematical models which involve in particular partial differential equations and dynamical systems.	link	Dsalort (at) gmail.com
	Statistical Genomics and Biological Physics	The team draws inspiration from the statistical physics of disordered systems to develop novel algorithmic tools for solving large-scale optimization and inference tasks, to bring such computational methods to the full benefit of biological research.	link	Martin.weigt (at) upmc.fr
	Yelehmann	Much of the success to understand the genetic code in the past two decades has stemmed from the development of experimental methods to introduce artificial coding rules <i>in vivo</i> . Suppression (or read-through) of the stop codon (commonly the amber codon TAG) by the orthogonal translation apparatus enables the genetic code expansion.	link	Shixinye (at) yahoo.com
ICDS/Institute for Computing and Data Sciences		ICDS promotes the interdisciplinary research and the creation of innovative tools in scientific calculation, data simulation and analysis. There are research, expertise and development center, a training center and a service unit.		
	SN2A	Researchers of the SN2A team create mathematical models and innovative algorithms through data collections in archeology, architecture, anthropology or in medicine.	link	Emmanuelle.rosso (at) paris-sorbonne.fr
	SNCHEM	The team works on theoretical and digital aspects of the molecular modelling based on the laws of quantum mechanics and classical mechanic.	link	Jean-philipp.piquemal (at) upmc.fr
	BioGen	The team is composed by genomic experts (biologists) and modelers (bioinformatics scientist, mathematicians and physicians) who collaborate around genome analysis and modelling of biological phenomena to respond to the challenge of the rapid development of production technologies of high speed data.	link	Alessandra.carbone (at) upmc.fr

	HC-A	HC-A is established on the synergy of 7 institutional partners and aims to build an innovative scientific and pedagogical environment.	link	Pascal.frey (at) upmc.fr
LUTIN/Laboratoire des Usages en Techniques d'Information Numériques		LUTIN is a Userlab", a platform for usability observations and experimentations which is located within the biggest science museum in Europe, la "Cité des Sciences et de l'Industrie", La Villette.	link	
STMS/Sciences and Technologies for Music and Sound		The lab is associated with the CNRS Institutes for Information Sciences and Technologies (INS2I), for Engineering and Systems Sciences (INSIS), for Humanities and Social Sciences (INSHS) and of Biological Sciences (INSB). It is also a part of the UPMC's faculty of engineering (UFR 919) in the Research Pole for Modeling and Engineering .	link	Gerard.Assayag (at) ircam.fr
LSTA/Laboratoire de statistique théorique et appliquée			link	Gerard.biau (at) upmc.fr
IUIS/Institut Universitaire Ingénierie et Santé	28 projects	The IUIS aims to encourage scientific and technology innovation by concentrating at a same academic level its engineering (research and teaching) and medicine (hospital practitioners) excellence academic strengths.	link	cecile.legallais (at) utc.fr