

# A WORD FROM THE PRESIDENT

*Paris-Sud University is a place dedicated to high-level research, focused on understanding the world, backing student success and responding to the needs of society. Its high level of research is evidenced by numerous awards and its position in international rankings. But Paris-Sud University can also be proud of its leading position among French universities, in terms of integration of students and doctoral students.*



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**With ongoing intensive research in a wide range of fields,** our university is particularly famous for its very high level in basic research, especially in Mathematics and Physics, areas in which it has made significant contributions to understanding the world and the universe, while hosting numerous

research programs in Computer Science, Chemistry and Biology. Our research in Health Sciences have translated into many innovative and successful therapies in a number of medical fields. Our teams in Law, Economics and Management are conducting highly original research in areas such as new technologies or innovation. Finally, cross-sectional research is carried out throughout all disciplines, for example, in Sports Sciences and Motor Control. All of our research is conducted in laboratories shared by many world-class research organizations (CNRS, INSERM, CEA, INRIA, INRA) whose involvement has contributed to their international outreach.

**Paris-Sud University not only built its prestige on the quality of its research, it also boasts an extensive choice of academic disciplines** at Bachelor, Master and Doctorate level, but also in technological training. Our academic training is open to the outside society and features: cutting-edge research in all fields, multidisciplinary, innovative pedagogy adapted to different audiences, basic or life-long training,

professionalisation of the different curricula, including at doctoral level. The outstanding environment and quality campus life offer both students and young researchers the best possible conditions for acquiring knowledge and skills at the highest level.

### **Paris-Sud University is firmly grounded in society**

By fostering industrial collaboration, it strives to translate the discoveries of its researchers into valued sources of innovation and new jobs, but also to promote the employability of its students. It also develops many activities to disseminate scientific and technical culture, artistic culture and actions at the crossroads of both worlds, with a special focus on the development of the triad "Science-Culture-Society". All of these actions address the community – both staff and students – but also the general public and school audiences.

### **Set in an exceptional scientific environment,**

the Paris-Sud University works with all higher education and research partners in the region to further increase the international visibility of all actors within the framework of the Université Paris-Saclay project, of which it is a major player. Meanwhile, with the prospects offered by the development of its real estate properties, Paris-Sud University holds a unique situation in which it can strengthen its position among the world's leading universities and further increase its attractiveness for students, faculty and faculty researchers, researchers, technical and administrative staff, all of which contribute to successfully fulfilling the university's missions and ensuring its prestige.

**SYLVIE RETAILLEAU**

Présidente de l'Université Paris-Sud

# AWARDS AND RECOGNITIONS

*Second French university in the 2016 Shanghai ranking, Paris-Sud is a French university renowned in terms of prizes and distinctions. These prestigious national and international awards reflect the importance and excellence of its research. Here are some prominent examples...*

Pierre-Gilles DE GENNES / © DR



## NOBEL PRIZE

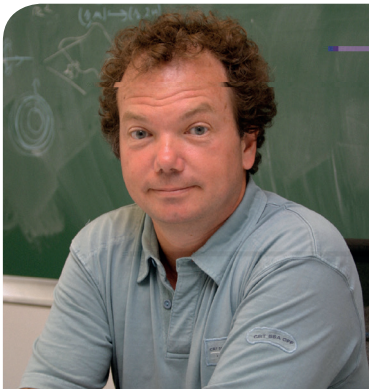
**Pierre-Gilles DE GENNES**, Nobel Prize in Physics in 1991 for his work on liquid crystals, subsequently used in computer screens.

**Albert FERT**, prix Nobel de Physique en 2007 pour la Nobel Prize in Physics in 2007 for the discovery of giant magnetoresistance, which has paved the way to the increase in storage capacity of computers.



Albert FERT / © DR

Jean-Christophe YOCCOZ / © DR



## MEDAL FIELDS

Equivalent of the Nobel Prize in Mathematics, the Fields Medal is awarded every four years. Since 1994, mathematicians from the Mathematics Laboratory (Paris-Sud University / CNRS) of the Orsay Faculty of Sciences are regularly distinguished: **Jean-Christophe YOCCOZ** (1994), **Laurent LAFFORGUE** (2002), **Wendelin WERNER** (2006), **Ngo BAO CHÂU** (2010).



Wendelin WERNER / © M. Lecompte/UPsud

## GOLD MEDAL OF THE CNRS

**Jacques FRIEDEL** (1970) - Physics  
**Edgar LEDERER** (1974) - Biochemistry  
**Raimond CASTAING** (1976) - Physics  
**Henri CARTAN** (1976) - Mathematics  
**Pierre JACQUINOT** (1978) - Physics  
**Pierre-Gilles DE GENNES** (1980) - Physics  
**Jean-Claude RISSET** (1999) - Computer music  
**Albert FERT** (2003) - Physics  
**Alain ASPECT** (2005) - Quantum Physics

## ACADEMY OF SCIENCES

More than twenty academicians come from Paris-Sud University. They distinguished themselves in physics, mathematics, sciences of the universe, chemistry and human and medical biology.

Étienne-Émile Baulieu, Jean-Michel Bismut, Hélène Bouchiat, Catherine Bréchnignac (Prof. Emeritus CNRS), Patrick Couvreur, Michel Davier, Stanislas Dehaene, Albert Fert, Jean-Marc Fontaine, Robert Guillaumont, Denis Jérôme, Henri Kagan, Jean-Pierre Kahane, Laurent Lafforgue, Gérard Laumon, Jean-François Le Gall, Gilbert Lenoir, Dominique Meyer, Bao Châu Ngô, Bernard Picinbono, Jean-Loup Puget, Michel Raynaud, Georges Slodzian, Roger Temam, William Vainschenker (Prof. Emeritus INSERM), Jean-Didier Vincent, Wendelin Werner, Jean-Christophe Yoccoz.

Other prestigious awards are regularly given to researchers and professors of Paris-Sud University: **Prize of the Academy of Sciences, Prize of the Chancellery of the Universities of Paris, European Pharmaceutical Scientist Award, Descartes-Huygens Prize, GE & Science Prize for Young Life Scientists, Prize for Young Innovative Firms, ...**

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