Université de Strasbourg

Presentation to NuPECC
March 15, 2014

Catherine Florentz
Vice-president for Research and Doctoral training
January 1st 2009, merging of the three former local universities
Université Louis Pasteur, Université Marc Bloch, Université Robert Schuman
Training

More than 43 000 students
More than 2500 PhD students
More than 450 PhD theses/year
All disciplines

- Law, economics, politics 30%
- Humanities and social sciences 18%
- Arts, litterature, languages 16%
- Sciences and technologies 19%
- Health sciences 17%
- 190 possibilities of grades
Students from 117 nations (22 % of total)

Over 200 bilateral partnerships within the European programs Erasmus/Socrates

75 active interuniversity agreements in over 27 countries
Infrastructures

- 100 buildings on 4 campuses: Esplanade, Médecine, Illkirch, Cronenbourg-Schiltigheim
- Osiris 2, very high-speed (1 Gbps) networks
- ENT: digital portal for students and staff with resources
- 900 wireless hotspots on 31 buildings
- 7 language teaching centers
Cronenbourg

Main Campus

A global European research university

Illkirch
73 Research Units

<table>
<thead>
<tr>
<th>University</th>
<th>29</th>
</tr>
</thead>
<tbody>
<tr>
<td>University-partner (CNRS, INSERM, INRA)</td>
<td>38</td>
</tr>
<tr>
<td>Partner only</td>
<td>6</td>
</tr>
</tbody>
</table>

3074 Staff members

<table>
<thead>
<tr>
<th></th>
<th>University</th>
<th>CNRS</th>
<th>INSERM</th>
<th>INRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors &amp; assistant professors</td>
<td>1483</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Researchers</td>
<td>707</td>
<td>86</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Engineers, Techn, Administ.</td>
<td>267</td>
<td>587</td>
<td>97</td>
<td>37</td>
</tr>
</tbody>
</table>
73 Research Units within 3 Domains

**Domain I**
Law, Economics, Management

**Domain II**
Science and technologies

**Domain III**
Life and health sciences

![Diagram showing distribution of permanent scientists and research unités across domains.](attachment:image.png)
<table>
<thead>
<tr>
<th>Domain</th>
<th>I</th>
<th>II</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collégiums</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Research units</td>
<td>31</td>
<td>17</td>
<td>32</td>
</tr>
<tr>
<td>Scientists</td>
<td>698</td>
<td>780</td>
<td>580</td>
</tr>
</tbody>
</table>
73 Research Units within 3 Domains

Domain I
Law, Economics, Management

Arts, Languages, Literature
Law, administration, society
Education and learning
Journalism & Politics
Economics and management
Humanities and social sciences
73 Research Units within 3 Domains

Domain II
Science and technologies

Chemistry
Engineering & Technology
Mathematics, Engineering, Informatics, Imaging

Nanosciences
Molecular electronics, spintronics
Advanced materials for energy, environment and health
Hybrid multifunctional materials and soft matter
Molecular and mesoscopic simulation
Nano- and femto- magnetism
Nanophotonics and nanoplasmonics
Ultrafast optics and quantum dynamics
Subatomic physics
73 Research Units within 3 Domains

Domain III

Life and health sciences

Life and Health Sciences
Immunity and infection, host-pathogen relationships
Genomes, functional genomics, regulation
Neurosciences and neurogenetics
Drug discovery
- Partnership with governmental organizations
  - CNRS, INSERM, INRA, INRIA,…
  - Research Units under double tutelling)

- Diversified research favoring interdisciplinarity

- Important influence on economic development
  - 45 “start-up” established in the last 15 years leading to 800 new jobs
  - SATT - Connectus (Society for transfer of Technology)

- Strong success at the national competition
  « Investissements d’Avenir 2011 & 2012»
  - IdEX, LabEx, …
Laboratories of Excellence 2012-2019

- **HepSYS**: Hepatitis System
- **MITOROSS**: Genomes expression and cross-talk in mitochondrial function and dysfunction
- **igbmc INRT**: Integrative biology, Nuclear dynamics, Regenerative and Translational medicine
- **Regulatory RNAs Net RNA**: Networks of Regulatory RNAs across kingdoms and dynamical responses to biotic and abiotic stresses
- **medalis**: Drug Discovery Center
- **LabEx TRANSPLANTEX**: Novel histocompatibility antigens and biomarkers in human transplantation
Laboratories of Excellence 2012-2019

- Centre for Chemistry of Complex Systems
- Nanostructures in Interaction with their Environment
- Deep Geothermal Energy
- Research in Mathematics: Interactions and Applications
- Experimental Research Group on the Creative Musical Art
3 Nobel Prizes:
   - Jean-Marie Lehn, Chemistry, 1987
   - Jules Hoffmann, Medicine, 2011
   - Martin Karplus, Chemistry, 2013

1 Fields Medal: René Thom, 1958
14 members of the Academy of Sciences
49 members of the Institut Universitaire de France
19 European Research Council grants

Many major scientific prizes (King Fayçal, Louis Jeantet, Balzan, Koch, von Humboldt, Academy of Sciences, CNRS Medals, Royal society of chemistry...).
A research-based university at the heart of Europe: crossing boarders
2 universities and 7 academic institutes

16,000 scientists

70,000 students
University of Strasbourg

Part of the
- Federation of Upper Rhine Universities (EUCOR)
- League of European Research Universities (LERU)
- One of the eight French Universities of Excellence (IDEX)
Photos:

Catherine Schröder, Jean-François Badias, Caroline Schneider, Patrick Bogner, Pascal Disdier, Bernard Braesch
University of Strasbourg
Main campus