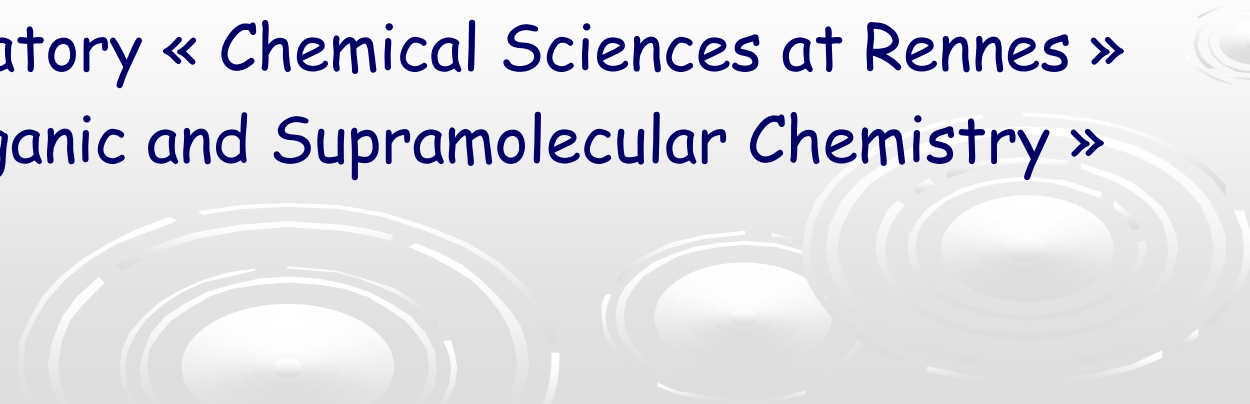




France point of view...

Dr. Loïc Lemiègre

Ecole Nationale Supérieure de Chimie de Rennes
CNRS Laboratory « Chemical Sciences at Rennes »
Team « Organic and Supramolecular Chemistry »





PhD in organic chemistry (Rouen, 2002)

Supervisors : Dr. Jacques Maddaluno

*Organic synthesis
of carbasugars*



Post-doctoral fellow (Tokyo, 2002-04)

Supervisor : Pr. Eiichi Nakamura

*Synthesis of aminofullerenes
for gene delivery*



Post-doctoral fellow (Manchester, 2004-05)

Supervisor : Pr. Jonathan Clayden

Polyureas: Stereochemical relay



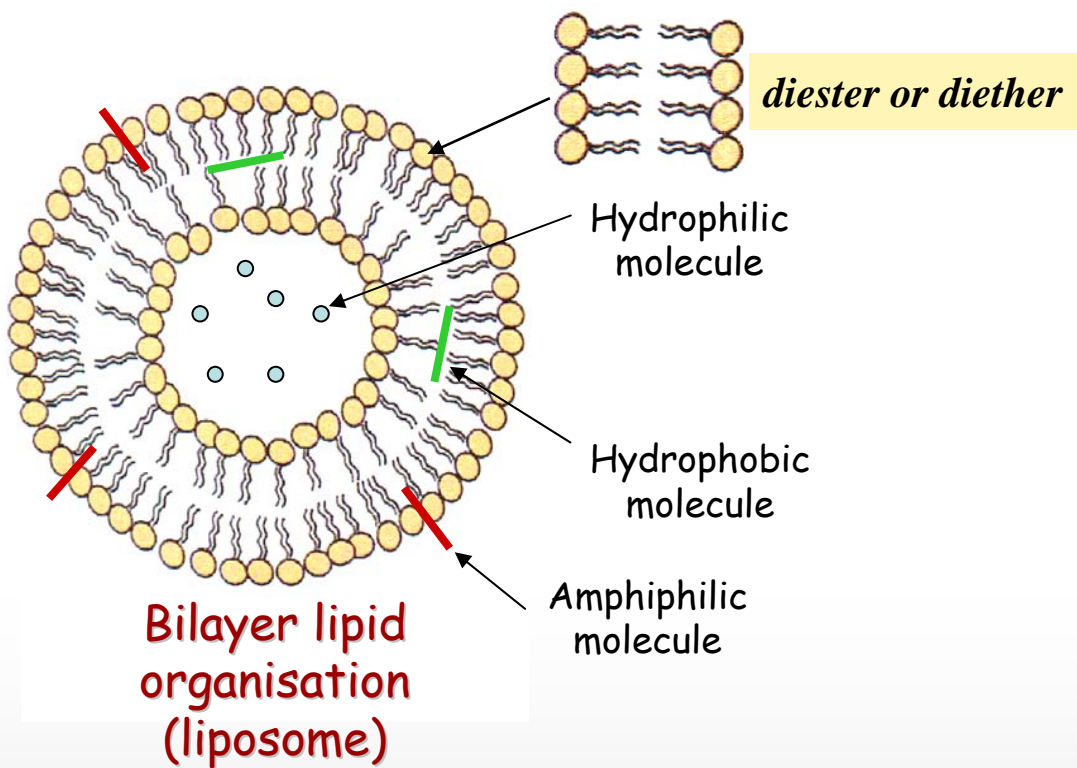
Assistant Professor at the ENSCR (Rennes, 2005-)

*Organic synthesis of lipids
for technology or biotechnology applications*





Drug/gene delivery systems

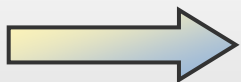
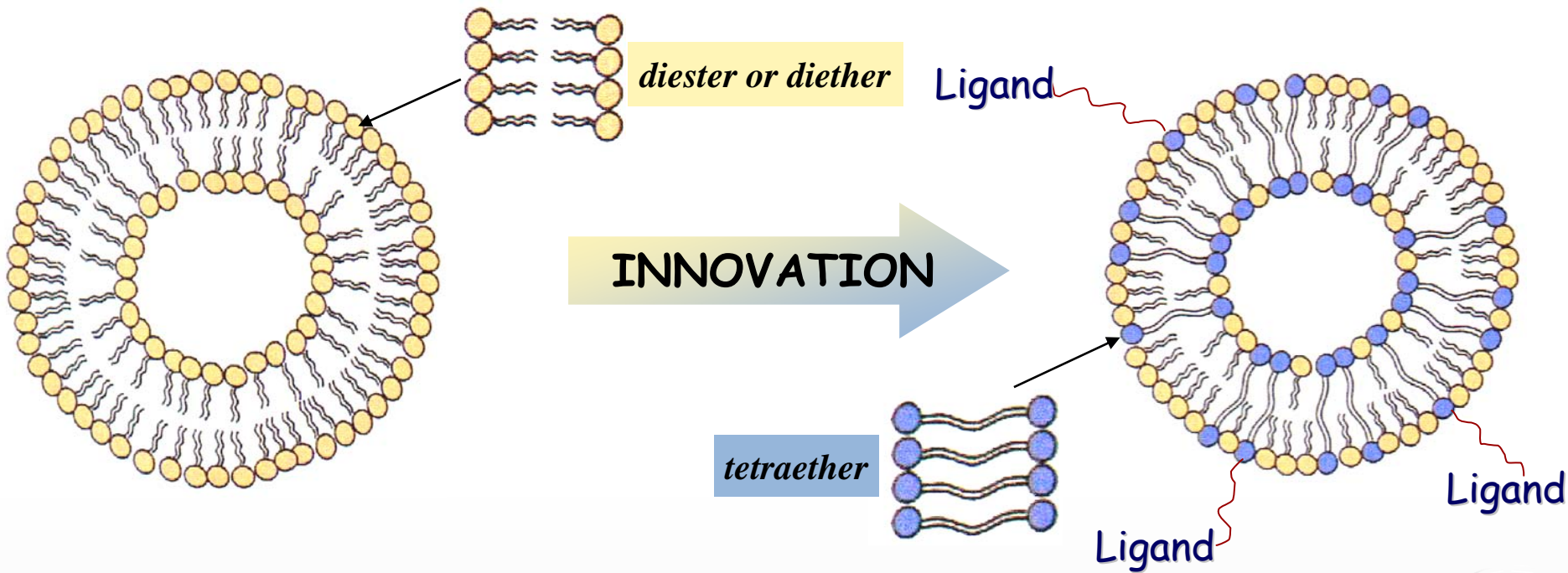


- Drug Delivery
- DNA Delivery





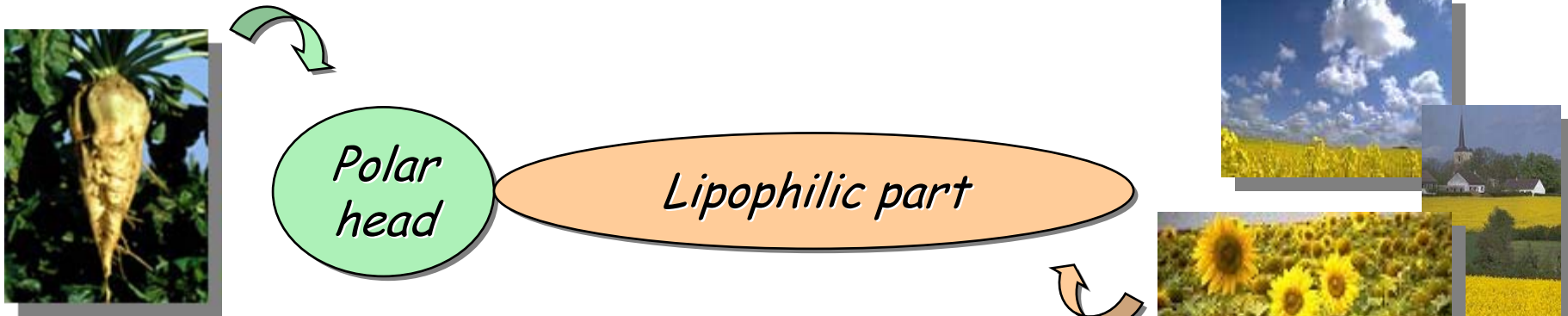
Drug/gene delivery systems



- Enhancement of the membrane stability
- Cell targeting



Surfactants from renewable raw materials



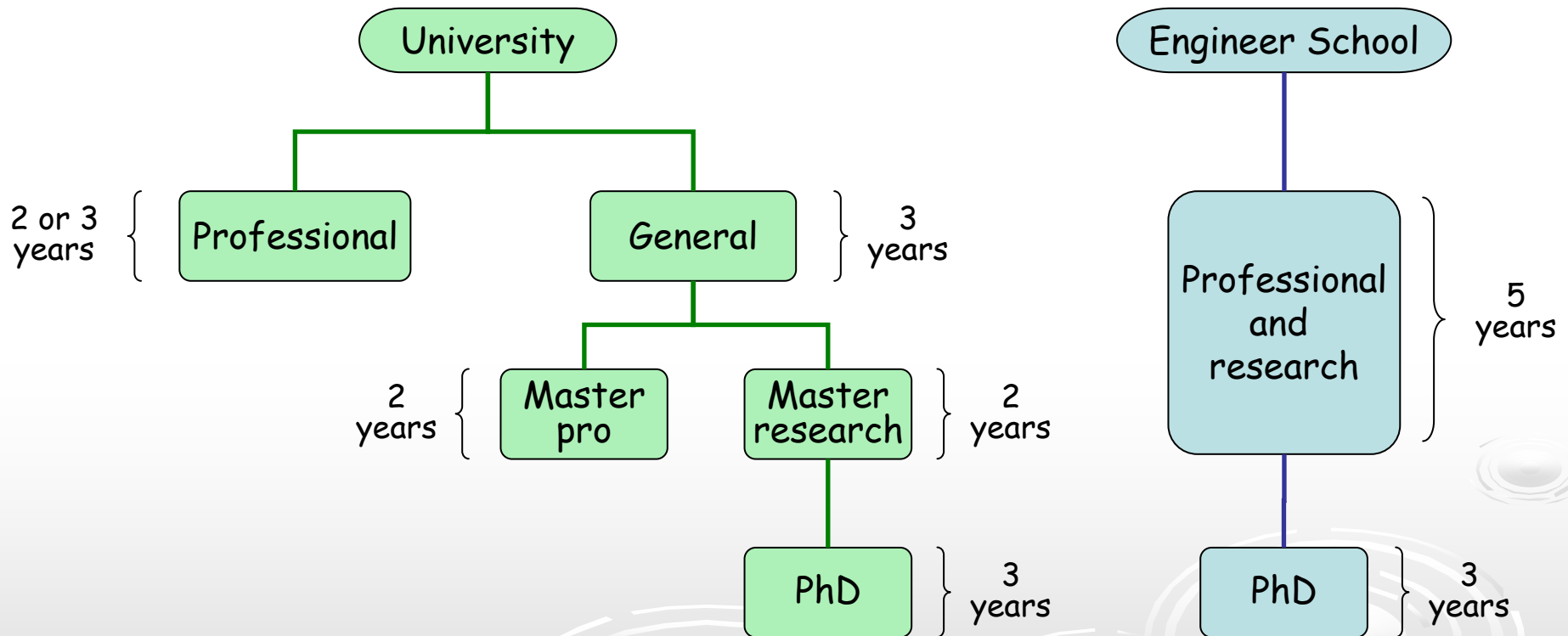
Applications to
road-making emulsions





University systems :

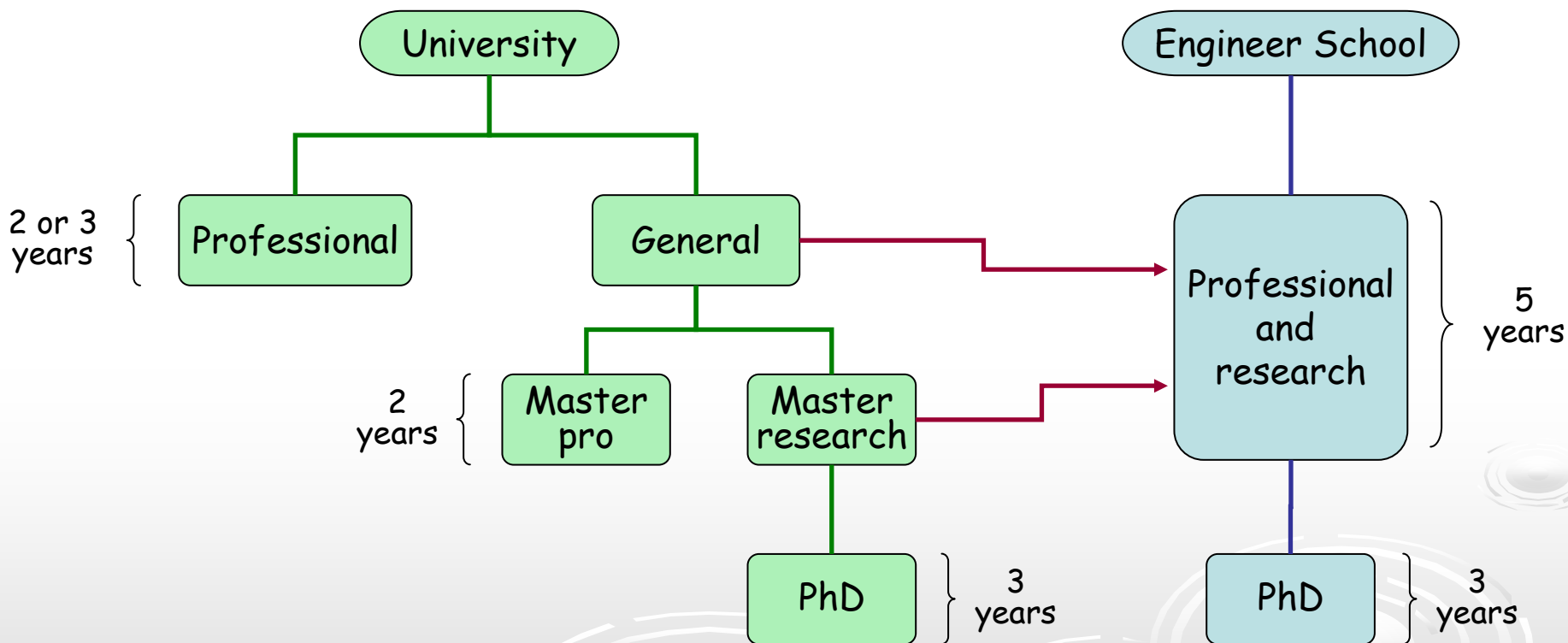
- 80% of 18 years old people can enter a university or an engineer school





University systems :

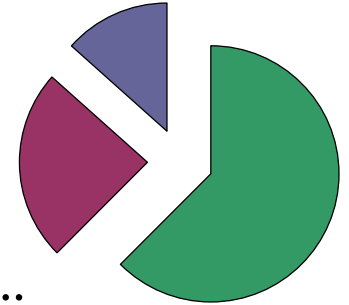
- 80% of 18 years old people can enter a university or an engineer school





Academic research systems in France :

- Ministry of Education and Research : Universities, ..
- EPST (National research institute) : CNRS, INSERM, ..
- EPIC (National research center (commercial activity)) : CEA, CNES, ..



Two types of Researcher :

- Assistant/Associate-Professors and Full Professors
- → Full researchers (CNRS, INSERM, CEA, CNES, ..)



Everybody working together in Universities / Institutes / Engineer Schools



Composition of a typical group :

- Full Professor, Assistant/Associate-professor, full researcher
- Postdoctoral fellows
- PhD Students
- Master students (M2)

Organization of the group :

- no hierarchically organization
- each students may find his proper way to work





Place in the Lab :

- 1 meter fume cupboard + 2 meters
- 1 desk in an other room next to the lab





How long in the Lab :

- Our engineer school is open from 7:30 am to 8:00 pm
Monday to Saturday (1pm)
- Usually people are working from 8:00 am to 7:00 pm
Monday to Friday







Thanks ...



ENSCR:

Pr. Thierry Benvegna

Dr. Sandrine Marion

Funding:

CNRS

Région Bretagne

Network «Ouest-Genopole»

Against the Cystic Fibrosis