

FACULTÉ
DE PHARMACIE
DE PARIS



NANOMED

NANOMEDICINE FOR DRUG DELIVERY

« ERASMUS MUNDUS JOINT MASTER DEGREE »

COORDINATORS: UNIVERSITY PARIS DESCARTES
PROF. KARINE ANDRIEUX, DR. CAROLINE ROQUES

EMJMD aims

- Foster excellence, innovation, and internationalization in Higher Education Institutions
- Boost the attractiveness of the [European Higher Education Area \(EHEA\)](#)
 - Compete with USA's curricula
- Improve the level of competences and skills of Master graduates, and their employability

EMJMD funding - rules

- EMJMD scholarships dedicated to at least 75% of non-European students
- Delivery of a joint master diploma or 3/4 national diplomas
 - Recognition of the curriculum by each partner university
- European funding provided for 5 years (2016/2021): preparatory year + 3 intakes
 - Max. 75% of the students EMJMD scholarship
 - At least 25% of self-funded students
 - Need to define strategy for transition to 100% self-funded (beyond EMJMD grants)

NANOMED summary

- First master's degree program recognized by Europe in the area of Nanomedicine for Drug Delivery
- First EMJMD coordinated by Paris Descartes University
- 2-year curriculum
 - Theoretical and practical courses
 - 2 internships (3 and 6 months)
 - Summer School and Workshop
- Partner Universities: 4 European Schools of Pharmacy recognized for their expertise in Nanomedicine
- Participation of international experts (Universities, Companies) to provide top-level post-graduate courses
- Students' selection:
 - Excellence criteria
 - Bachelor's degree in Pharmacy or Medicine or (under special provisions) in Chemistry, Biology, Biochemistry, Material Sciences or other adequate disciplines
 - English language proficiency required

- **Full partners:**

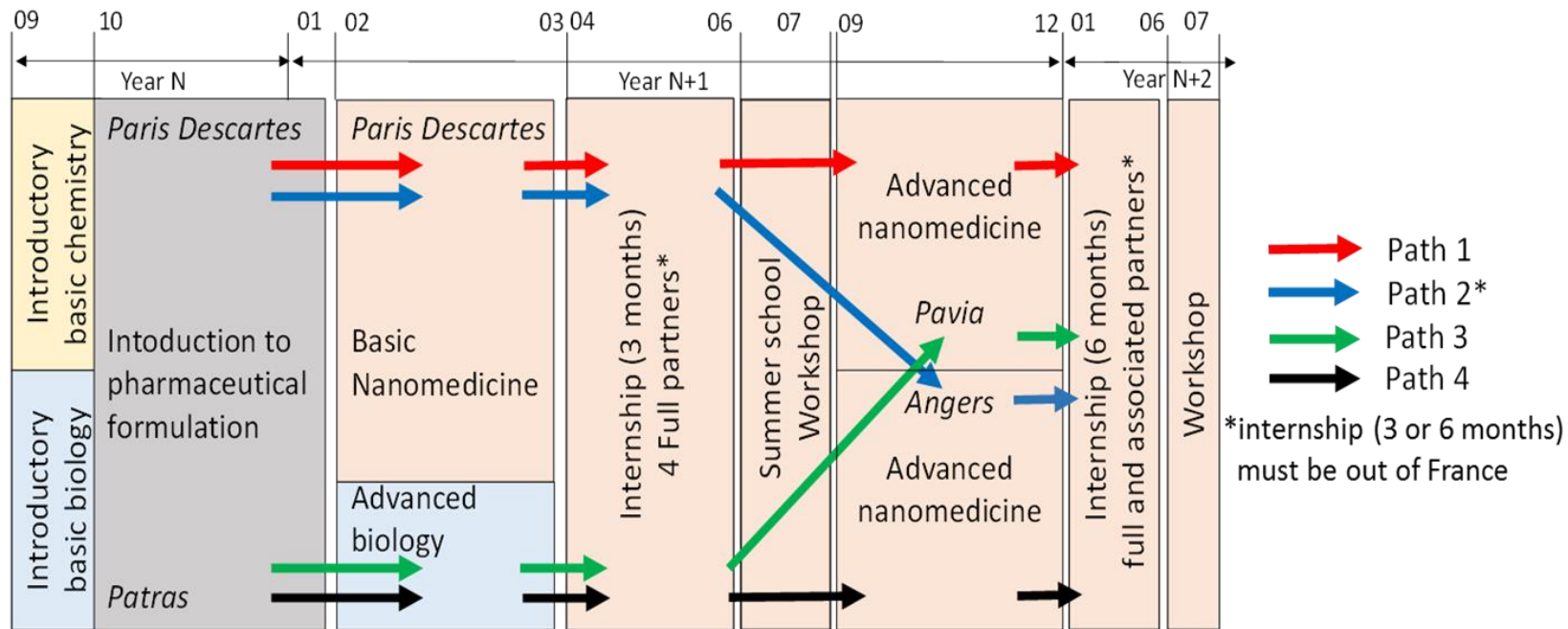
- [Paris Descartes University](#), France (Coordinators: Prof. Karine Andrieux, Dr. Caroline Roques)
- [Patras University](#), Greece (Prof. Sophia Antimisiaris, Dr. Pavlos Klepetsanis)
- [Pavia University](#), Italy (Prof. Carla Caramella, Prof. Cristina Bonferoni, Prof. Bice Conti)
- [Angers University](#), France (Prof. Marie-Claire Venier, Dr. Emilie Roger).

- **Associated partners:**

- **Universities:** Navarra (Esp), Liège (Be), Paris Sud (Fr), Athens (Gr)
- **Associations:** ETPN, APGI, SFnano, TEFARCO Innova
- **Companies:** Carlina technologies (Fr), ProxAgen OOD (Bu)
- **Potential future partners:** University of Bourgogne (Fr); University of Roma Tor Vergata (It); University of Granada (Sp); University of Nantes (Fr); University of Columbia (USA); Institute of Chemical Engineering, Foundation of Research and Technology Hellas (ICEHT/FORTH, Gr); SANOFI (Fr); CRS Italian Chapter, Nanopharmanet IT

Nanomed curriculum

- **4 pathways** involving the 4 Partner Universities (each semester => 30 ECTS):
 - Semester 1: **Paris Descartes** or **Patras**
 - Semester 2: **Paris Descartes**, internship (3 months) + summer school/workshop
 - Semester 3: **Pavia** or **Angers**
 - Semester 4: internship (6 months) + workshop



First intake will be selected in **February** 2017 and will begin courses in **September** 2017.