COURS proposés dans le cadre de la formation doctorale de l’Ecole Doctorale des Sciences Chimiques

Par le Professeur Ulrich S. Schubert
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28 juin 2018 (14H-15H): Lecture 1 “New pharmapolymers and nanoparticles for applications in nanomedicine”
The lecture will provide an overview over the preparation of polymers for pharmaceutical applications and the fabrication of nanoparticles thereof as drug delivery devices. Highlights will be set on polymeric materials beyond pharmapolymers on the market for the development of smart and targeted nanoparticle devices.

5 juillet 2018 (11H-12H): Lecture 2 “Self-healing polymers”
The ability of polymeric material to show self-healing is of great interest. Traditional and new concepts will be introduced based on different polymeric systems including their intense physico-chemical characterization.

19 juillet 2018 (14H-15H): Lecture 3 “Polymers for batteries”
Currently, there is an enormous interest regarding energy storage devices. This lecture will introduce organic compounds and polymers as groundbreaking materials in a range of battery types such as printed thin film batteries as well as redox-flow batteries.