



Café des Sciences #89 : Biomaterials used for nerve reconstruction

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Café des Sciences #89 : «Biomaterials used for nerve reconstruction»

- **Quand** : Wednesday, 14 March from 6pm to 8pm
- **Où** : Residence of France , 194 Brattle St, Cambridge, MA 02138
- **Inscription**

Guests



Christophe Egles, obtained his doctoral thesis in Neuroscience at the University Louis Pasteur of Strasbourg. He then completed two post-doctorates, one at MIT and the other at Tufts University. For five years (2005-2010) he was Assistant Professor at Tufts University, School of Dental Medicine leading a research team in the field of three-dimensional cultures and regenerative medicine. He has been a professor at the University of Technology Compiègne, France since 2010. He is connected to the UMR CNRS 7338, BioMechanics and Bioengineering where he co-directs the research group Cellules, Biomaterials, Bioreactors. Since August 2017, he is also a visiting professor in the laboratory of Robert Langer at MIT.



Kayla Belanger, obtained a Bachelor of Science in Chemical Engineering and Biology from the University of Rhode Island in 2014. She obtained her PhD in Science from Compiègne University of Technology (UTC) in 2017, in the UMR CNRS 7338, BioMechanics and Bioengineering. Her research interests include chemical engineering, regenerative medicine and tissue engineering.

Presentation

The loss of a portion of the nerve puts the surgeon in a dilemma, to overcome it he will have to sacrifice another nerve less important. To avoid this choice, researchers Christophe Egles and Kayla Belanger used a natural polymer, Bombyx Mori silk, to create an implantable artificial nerve offering a bioactive regeneration support for the injured nerve

Program

- 18h00 : Welcoming
- 18h15 : Presentation

- 18h45 : Questions & Answers
- 19h00 : Networking

Partner of Café des Sciences



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