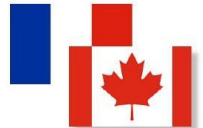




**French-Canadian biomedical engineering**

**Summer School and Bio-Hackathon**

**Paris, Compiègne, June 18-22 2018**



The French-Canadian BIOMEDInnov program, funded by the Sorbonne University (SU) FormInnov call in 2017, is dedicated to innovation in education and entrepreneurship in biomedical engineering around the study and design of biomedical devices. This program is built on a strong collaboration between the University of Waterloo (UW, Canada), leader in technological innovation and two French partners of excellence: the University of Technology of Compiègne (UTC) and Sorbonne University (SU). This research and education program is also supported by the labex MS2T of UTC, the engineering department of SU's Faculty of Science and Engineering and the Centre for Bioengineering and Biotechnology (CBB) from the University of Waterloo.

As part of BIOMEDInnov, a summer school, scheduled from June 18 to 22, 2018, will regroup the students who participated in the international research internships (22 students) which took place in the Canadian and French research laboratories of the involved universities. This summer school aims to engage students in the many facets of technology in health, innovation and entrepreneurship by bringing the world of research and industry around the North American and European visions. To achieve this goal, an ambitious program of five days has been prepared. Following a half-day symposium of research presentations by the students, professionals will engage students in on all aspects of biomedical engineering through research presentations, workshops, visits of laboratories and technological platforms. These workshops will cover R & D, engineering design and design thinking, agile methods, prototyping, acceptability, standards, regulations, economic model, entrepreneurship, legal and ethical aspects of biomedical devices. Furthermore, a bio-hackathon will be held during the week to put in practice the acquired knowledge and skills. **For the development and sustainability of the initiated research collaborations, a biomedical engineering research symposium will be associated with this school on June 21.**

Our industrial partner and sponsor, Medtronic, world leader in innovation of medical devices, will bring its vision "of collective intelligence for innovation" by leading and participating in the workshops during this summer school.

The participants will include students, French and Canadian researchers involved in the BIOMEDInnov program as well as French and Canadian biomedical start-up companies. As important stakeholders, clinicians and patients will also be invited to share their experience and help better define the needs and issues. The best projects of innovation (bio-hackathon) will be awarded at the end of the week. Students and faculties of SU and UTC are cordially invited to participate in this exceptional event with previous registration.



## Preliminary Program : June 18-22

Day	Morning 8h30-12h30	Afternoon 13h30-17h30	Evening (17h30-19h30)	Night Event 19h30-22h
<b>Sunday 17 (Paris)</b>	Participants arrivals		Welcoming ceremony	
<b>Monday 18 (Paris)</b>	Opening / Students internships presentation	Presentation of Bio-Hackathon theme, Clinicians intervention Student team creation	Bio-Hackathon	
<b>Tuesday 19 (Paris)</b>	Courses and mentoring on design, entrepreneurship, etc. for Bio-Hackathon		Bio-Hackathon	
<b>Wednesday 20 (Compiègne)</b>	Courses, mentoring and seminars	laboratories/platforms visits Students & start-ups presentations	Return to Paris	
<b>Thursday 21 (Paris)</b>	<i>SU, UTC and UW Research colloquium, **</i> laboratory visits		Bio-Hackathon	Cocktail reception at Zamanski tower, SU, Panoramic view of Paris
<b>Vendredi 22 (Paris)</b>	Seminars from industry in health care	Presentations of Bio-Hackathon teams, Selection of the best projects, , round table with industrials, closing	Paris boat cruise and dinner	

\*\* All participants will also be invited to the special session "System of Systems Approach for Ambient Assisted Living and Vital Telemonitoring" of the international IEEE SoSE 2018 (<http://sosengineering.org/2018/adl/>) dedicated to the "Silver Conference Technologies".

### French-Canadian organization committee:

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Registration on the website: <https://biomedinnov.sciencesconf.org/>