



**CRBS Bench-to-Bedside online workshop**  
**Inaugural session June 16<sup>th</sup>, 2020; 2:00pm-4:00pm**  
**From bench to patients: How structural biology transforms medicine**

Dear colleagues,

We are proud to announce the launch of the CRBS Bench-to-Bedside workshop series (see attached program). This initiative seeks to bring awareness of the power of structural biology to the greater biomedical community, as well as to foster collaborations between clinicians and basic scientists. Our goal is to hold those workshops every 6 months, but we may augment the frequency if the demand is there. The workshop format will consist of two talks presented by a CRBS member and a clinician, followed by discussion panels on topics of interest to the community. Our inaugural session will take place online on **June 16<sup>th</sup> 2020 from 2:00pm to 4:00pm**. In the first hour, our chair **Dr Jean-François Trempe** will present a broad overview of the contribution of structural biology to medicine, and our guest speaker **Dr Edward Fon** (Scientific Director, MNI) will share his experience about collaborating with structural biologists and how it shaped his approach to research.

In the 2<sup>nd</sup> hour, we will host discussions with participating CRBS members and clinicians. For the inaugural event, we would first like to brainstorm ideas for bridging the gap between clinicians and basic scientists. For example, we will discuss what funding opportunities are out there in Canada and Internationally for research bridging clinical and basic/structural biology areas? After that, we will discuss ideas for future bench-to-bedside seminars. To start the discussion, we would like to propose the following themes (one per workshop):

- 1-Medical genetics: the relationship between pathogenic mutations and structure
- 2-Drug design: how structure can help design better small molecule drugs
- 3-Biologics: the role of macromolecular structure in optimization of therapeutic antibodies.

Each of those themes could also involve specific discussions about 1-2 diseases. Please **send your ideas/suggestions/questions** for discussion **before June 12<sup>th</sup>**, so that we have time to prepare and address them correctly. If you can suggest names for speakers, it would be much appreciated. Please register and send your ideas through this form below, such that we can plan our sessions and form multiple smaller groups if needed.

**Registration:** <https://forms.gle/jw82zqc4Mc2qWzZM6>  
**Zoom link:** <https://mcgill.zoom.us/j/97623754150>

Finally, I would like to ask all of you to **distribute this invitation** to whoever you think could be or **SHOULD be involved** in this initiative, or just wants to listen in. If you know a clinician scientist whose work could benefit from structural biology, or conversely if you know a structural biologist who seeks greater interactions with clinicians, please invite them!

We are looking forward to seeing you at the event and hope many participate!

The CRBS Outreach committee:

Jean-François Trempe (CRBS member, Event chair)

Susanne Bechstedt (CRBS Outreach committee)

Joaquin Ortega (CRBS member)

Natalie Zeytuni (CRBS member)

Martin Schmeing (CRBS Director)

Alba Guarné (CRBS Associate Director)

Annick Guyot (CRBS coordinator)