**Take-Away**

* In our final discussion forum, I'd like you to each comment on something that you learned in this course - something that you didn't expect to learn, something that you are proud to have mastered, something that you want to follow-up on in the future, or something that made you think differently about CTE. This is an unbelievable time to be involved in CTE efforts - a time where technology is available to drive complex experiments, where computing can analyze enormous data sets and where the seemingly impossible is now becoming a reality. In this course you saw history, fundamental scientific laws, emerging technologies and physiology. What will you take with you?
* Respond to at least two of your classmates.

During this class I realized a CTE solution is the combination of many scientific expertise starting with the quantification of the problems using mathematical models, the understanding of the biological dimension of the problem to solve, to the mechanical and chemistry engineering involved in the creation of the product. And from module 13, this is only the beginning if a long process before the product is allowed to be put on the market. When I heard about the perfusion bioreactor from Dr. Grayson’s lecture or some products described by people in their presentation, I found out that each product requires innovation, and to think out of the box to design a successful solution and to is what makes CTE so fascinating and exciting.