

## **Indications for BIOQIC Journal Clubs (2 times per month)**

The journal clubs will serve to have a look 'outside the box' of your own topic and to discuss about strengths and pitfalls of scientific papers. This will undoubtedly be of advantage for your own research projects and for your growth as a scientist and as a person. Since we are a multidisciplinary RTG, with divergent applications and methods, this is a great chance to learn from each other.

In the journal club session, you will work in tandem with one of your supervisors (see schedule). Your supervisor will use his or her expertise to suggest papers, involve in the discussion and moderate the journal club.

### **Some guidelines on the journal clubs:**

- Choose a paper that describes a method in particular.
- The paper should be understandable for everyone, be it physicists, physicians, biologists, etc.
- Search for several review papers on the topic and use them to make a 10 minute introduction to the paper discussion: present it in a way that is easy to understand for everybody. An example is the 'science slam': <https://bioqic.de/science-slam-elastography/>
- Please address all of the following questions:
  - Why was this article chosen?
  - How is this applicable to your research?
  - What questions were addressed?
  - What's the main aim and hypothesis?
  - How was the study performed?
  - Were the methods sound?
  - What are the results?
  - How to interpret these results?
  - How do the results and conclusions fit into the context of the current literature?
  - Will the results change current practice?
  - What other studies need to be conducted to elucidate the questions in the future?
  - Strength and limitations of the study and possibilities to overcome these limitations.
- Goal is to have an interesting discussion going about the research and methods presented in the paper of your choice, rather than just presenting it.