

## BIOQIC Newsletter June 2020

Dear BIOQIC colleagues,

I hope you are doing well. I would like to give you an update on the current stand of our BIOQIC affairs.

- The recruitment process has been completed now! Due to the COVID-19 crisis, there have been some delays, but all 15 PhD students for the 2<sup>nd</sup> cohort have now been selected. Eight of them have already started and the rest will start, hopefully, within the next two months. The table with projects and PhD students for the 2<sup>nd</sup> cohort is shown below.

	PhD student	Project title	PIs
1	Bernhard Föllmer	Automated scoring of micro-calcification and myocardial stiffness from cardiac CT	Dewey, Samek, Sack
2	Guilhem Claude	Terphenylisocyanide complexes for myocardial imaging	Abram, Brenner, Taupitz
3	Edengenet Mashilla Dejene	Motion-correction for quantitative dynamic PET-MR	Kolbitsch, Makowski, Brenner
4	Katja Degenhardt	Development of a 4D flow acquisition technique for accurate whole heart velocity quantification at 7 Tesla	Schmitter, Schäffter, Schulz-Menger
5	Chiara Manini	Quantitative Cardiac Valve Imaging	Hennemuth, Schulz-Menger, Kühne
6	Tom Meyer	Quantitative Cardiac Ultrasound Elastography	Tzschätzsch, Sack, Fischer
7	Matthias Anders	Real-Time Quantitative Cardiac Magnetic Resonance Elastography	Sack, Schulz-Menger, Hennemuth
8	Yasmine Safraou	Quantitative multiparametric and multimodal determination of the biophysical properties of the liver in correlation with cellular, extracellular and vascular changes.	Guo, Sack, Fischer
9	Jakob Jordan	Multimodal microscopic elastography by optical methods and MRI	Sack, Taupitz, Braun
10	Sherine Brahma	Interpretability in Medical Imaging	Kutyniok, Schäffter, Fischer
11	Simone Hufnagel	Motion-Corrected 3D High-Resolution Cardiac T1-Mapping	Kolbitsch, Schäffter, Schulz-Menger
12	Federico Biavati	Quantification of micro-calcification in coronary arteries from cardiac CT	Dewey, Kachelriess, Samek
13	Felix Krüger	Quantification and characterization of cardiac fat infiltration using ultra-high magnetic fields	Schäffter, Schmitter, Schulz-Menger
14	David Hernandez	MRI-Based Thermometry with Hyperpolarized Xenon for optimized CEST MRI	Schröder, Taupitz, Schäffter
15	Thomas Hadler	Quantification of microstructural changes due to myocardial pathologies by analysis of multi parametric quantitative MRI.	Schulz-Menger, Hennemuth, Kolbitsch

- Even though the COVID-19 crisis has made the planning of the curriculum for the new PhD students difficult, we managed the situation by changing to online seminars. The schedule for the introduction seminars by our PIs is found on our website. There are still time slots available, so it would be great if you could complete it by [filling in](#) your name and seminar title in an open slot that suits you. In your seminar, please also explain something about your own background and research group and share any helpful tips to the new PhD students, if possible. I would like to thank you very much for your contributions!
- Furthermore, I would like to remind you to this year's BIOQIC Days, which are planned for **September 24-25** in Potsdam. Based on the current situation, these will take place as planned. I would appreciate it a lot if you can make some of your time available to attend and meet the new PhD students. **Please [register here](#) before August 1 to register and indicate if you would like a hotel room as well.**
- We have sent the pre-proposal to DFG for the continuation of BIOQIC. The full continuation proposal has to be submitted until Oct-1<sup>st</sup>. That proposal consists of two parts, i) the main proposal ii) reports of the PhD students. For the second part, all core PhD students (1<sup>st</sup> and 2<sup>nd</sup> cohort) and 15 associated PhD students need to write a report. I have made the requests for the reports to the 1<sup>st</sup> cohort (deadline end of June) and to the associated students (deadline September 1<sup>st</sup>). The new PhD students from the 2<sup>nd</sup> cohort need some time to discuss their projects with their PIs and get into the topics. Furthermore, not everyone has officially started yet. Therefore, I will send them the request for the reports in July/beginning of August. I would appreciate if you can talk with your students and emphasize the importance of these reports.
- Concerning the start-up funding (Anschubfinanzierung): we have the money for two positions (65% E13) for 10 months. This applies only to first-cohort BIOQIC students. Several PIs already proposed possible candidates. These are: Patrick Werner, Gergely Bertalan, Azadeh Mohtashamdolatsahi, Johannes Mayer, Nader Aldoj. Please let me know by June-22 in case someone is still missing here from our first cohort. Prerequisite for the funding is that the awarded PHD-students apply for own funding (DFG, BMBF, EU or other sources) within the 10 months period. I will inform the selected PhD students that they can apply by filling a form with description of their planned projects and grant application. Candidates will then be interviewed and selected by the BIOQIC executive committee.

All the best,

Judith