

Centre for the Clinical Application of Particles

Management Board Meeting #4

Tuesday, 6th November 2018, 10:00—12:00

Venue: Room 521, Blackett Laboratory, South Kensington Campus

Present: E. Aboagye, V. Blackmore, K. Long, J. Meredith, Z. Najmudin, J. Pasternak, J. Pozimski, J. Yarnold, M. Williams

Apologies: C. Coombes, D. Elson, M. Hill, D. Power, U. Oelfke, B. Vojnovic

Notes

1. Welcome, introduction and goals for the meeting: KL

After welcoming all to the meeting, KL explained that he had co-opted Frank van den Heuvel (OIRO) to the meetings of the MB. KL hoped that this would facilitate open discussion with the OIRO on possible collaboration and joint activities. KL also noted that A. Seryi had stepped down as Director of the JAI and that P. Burrows had taken on the role of acting Director pending the conclusion of the director search which is presently underway. KL had invited PB to the meeting; PB had sent his apologies on this occasion.

Preparation of the annual report had shown how much had been done over the course of the Centre's first year. KL noted the excellent support and enthusiasm of ICL and of the various partner organisations. Some good activities had been initiated, but we still need to secure the resources to deliver the Centre's programme. One aspect of taking the programme forward is the completion of the Business Plan. This must become a priority over the coming months.

Goals for this meeting: review of progress, agree next steps for the preparation of the Business Plan, and review the MB membership (summarised at the end of the Director's report).

2. Notes and actions from the previous meeting: All

Notes of the previous meeting were accepted. Status of actions:

- **VB:** Initiate Doodle poll for next MB and plenary meetings
 - **Completed.**
- **VB:** Continue to arrange Seminar Series
 - **Completed/ongoing:** propose to move to standing agenda item.
- **VB:** Arrange meeting between ICR and CHX to discuss opportunities with high dose/microbeam electron radiotherapy:
 - **Ongoing:** presentations of scientific opportunity and the opportunities to serve the programme will be made at the CCAP plenary meeting on 06Nov18. In addition, a dedicated meeting to discuss the provision of beams for this work is being arranged for the Daresbury Laboratory with a target date of February 2019.
- **VB:** Arrange meeting at MedAustron to discuss future work of IC student.
 - **Completed:** a successful meeting was held at MedAustron. The results of this meeting will be covered in the "Director's report"

3. Director's report: KL

The Director's report, circulated in advance of the meeting, was presented. Please see the report (which is also posted on the [MB meeting page on the wiki](#)) for a summary. The following notes were made in the discussion of the report:

- The MB noted the discussion on the possibility of contributing to the investigation of high dose rate electron irradiation and/or electron microbeams. It was noted that other e⁻-beam facilities were available and that others already had programmes in this area. The issue would therefore be to identify the niche where a CCAP activity could contribute and be competitive. JY felt that if beams of ~6 MeV at up to 60 Gy/s could be made available, then work of a high scientific value could be carried out.
- In the discussion of future opportunities, the CRUK RadNet Centres of Excellence call was discussed. It was felt that the CCAP should make contact with the ICR to offer to support the bid that it was understood that the ICR was preparing. It was agreed that MW would make an initial contact with K. Harrington at ICR (**action MW**). Possible areas in which the CCAP could contribute might include image processing, high dose-rate studies, and high-energy electron-beam studies.
- Possible near-term targets for funding applications were discussed. In addition to the list presented, the MB recommended that an application to the MdPA call be considered. A meeting would be organised to consider a proposal (**action KL**).

KL summarised the reasons for a modest refresh of the membership of the MB. It was agreed to take the following actions:

- Imperial NHS Trust:
 - P to D. Power that C. McClaughlan takes her place;
- OIRO:
 - KL to discuss with FvdH and the other OIRO representatives.

3. Discussion of Business Plan: All

The status of the Business Plan was discussed. It was clear that some more work is needed. It was agreed that the Plan should be completed as soon as possible.

4. Opportunities for future funding: All

We discussed various opportunities and noted that a particular target should be the EPSRC Healthcare Call.

5. Development of Links with industry: All

Status of contacts with Maxeler and Hamamatsu were noted. A. Kurup (Imperial) has secured some resources through the STFC Impact Accelerator Award for an industry-related event to explore the 'market' for advanced radiation detectors in proton/ion-beam facilities. We agreed to pool knowledge of industrial contacts to explore ways to enhance this activity in line with our overall goals.

6. Future meetings: KL/All

Future plenary and MB meetings will be fixed using a Doodle poll in due course.

7. Summary of actions: KL

See below.

8. Any other business

KL reported that V. Blackmore had resigned with effect from the 13th November 2018. All thanked VB for the excellent work she had done and wished her well with her next steps. KL noted the need for support to keep the CCAP organisation working.

EA explained his interest in BNCT and that there was some interest in the activity from the Chemistry Department at Imperial. EA noted that there were challenges to be addressed in the areas of the chemistry related to extraction of the isotopes and in the accelerator design. We agreed to take the discussion forward, perhaps at a future plenary meeting.

Summary of actions:

- **MW:** Make contact with K. Harrington at the ICR to offer CCAP support for ICR RadNet bid.
- **KL:** Solicit meeting to discuss bid to MdPA call.