

# Imaging group

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**De :** David Brasse <david.brasse@iphc.cnrs.fr>

**Objet :** First draft of the imaging group

**Date :** 7 juin 2013 13:58:30 HAEC

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The preliminary time line was:

- End of November 2012: Fix the list of topics/item covered in this imaging chapter
- End of 2012: add other expertise if necessary
- January 2013: Assign the job for each member (meeting)
- June 2013: first draft

The different steps :

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- The first phone call meeting : 14th of December 2012 with Faïçal Azaiez, Alexander Murphy, Jose Manuel Udias and David Brasse
  - Discussion about the content of the chapter
  - Discussion on the members involved
  - the next step is to organize a visioconference with all members in order to explain the project and distribute tasks
  
- Visioconference, 20th of February 2013. The minutes of this meeting were:
  - In term of time line: the content of the document before end of March
  - We propose to divide our document in two parts:
  - The first one dedicated to the state of the art and the second one to the future prospects/challenges.
  - The list of general topics as well as expertise and interests was reviewed during the videoconference.

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- Visioconference, 17th of April 2013 → list of items was reviewed and the members associated to the items:
  - First part: State of the art
    - PET/SPECT/MRI (P Lecoq, I Lazarus, P Cerello, P Dendoove)
    - Preclinical instrumentation (A Del Guerra, M Rafecas, I Lazarus)
  - Second part: prospects/challenge
    - New challenges in multimodality imaging (I Lazarus)
    - New challenges in detector design (A Del Guerra, M Rafecas, P Lecoq, P Cerello, I Lazarus)
    - DAQ system and real time reconstruction strategies (M Rafecas, I Lazarus, M Priegnitz, F Fiedler, C Scheidenberger, P Cerello)
    - Software: reconstruction and simulation
    - Photon counting: towards spectral CT (C Morel)
    - Interface between medical imaging and hadrontherapy (A del Guerra, M Rafecas, P Cerello, P Dendooven, P Thirolf, K Parodi, M Priegnitz, F Fiedler)
    - Interface between medical imaging and spectroscopy (C Scheidenberger)

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- In order to be more efficient, we decided that for each item it would be nominated a 'responsible' or leading author. He or she would try to contact the other people in the matrix who has shown interest in the item in order to coordinate the contents. This main author would submit a first draft for the item before the end of June and would keep track for the contributors to the item.
  
- Time line :
  - End of April: identified the “responsible” author for each item
  - End of June: deadline for initial contributions.

Today, the following “ leading authors are identified:

Photon counting: C Morel

Interface between medical imaging and hadrontherapy: M Priegnitz

Interface between medical imaging and spectroscopy: C Scheidenberger

We already received Marlen Priegnitz contribution.