Mining the radiotherapy dose: exploring dose-response patterns in radiation therapy

Chairs:
Alan McWilliam: Manchester, UK
Giuseppe Palma, Laura Cella: IBB-CNR, Italy

Invited speakers: Oscar Acosta (Rennes University, France) and Marnix G Witte (AVL, Amsterdam, Netherlands)

Day 1: October 18

9.00-9.30	**Welcome, Programme illustration, invited speakers' presentation** **WS Introduction:** 'Why do we want to link spatial dose to RT outcomes' (G. Palma, A. McWilliam, L. Cella)
9.30- 10.15	**Opening presentation:** O Acosta. 'Spatial normalisation for voxel-based analysis'
10-15-10.30	Q/A
10.30-11.00	**Coffee break**
11.00-12.30	**Presentations from participant groups (10 min each)**
12.30-13.30	**Lunch break**
13.30-15.00	**Presentations from participant groups (10 min each)**
15.00-15.30	**Coffee break**
15.30-17.00	**Structured Discussion** Discussion on the research activities presented by different groups in the framework of VBA/IBDM

Day 2: October 19

9.00-9.30	**Recap day 1**

9.30 10.15   **Opening presentation:** MG Witte. 'Voxel-based statistical methods for dose mining'

10-15-10.30   Q/A

10.30-11.00   **Coffee break**

11.00-12.30   **Discussion on Methodologies**

Group 1: Patient characteristics (ensuring balance and quality control), pre-processing, non-rigid registration
Group 2: Statistical analysis, correction for multiple testing

Output: Formation of consortium – methodology paper

12.30-13.30   **Lunch break**

13.30-16.00   **Final summary:** Summary of discussions and formation of focus groups for each discussion topic.
Output: consensus paper

Day 3: October 22 Plenary
13.00-16.30