

### **CLU3:**

**Taking glioblastoma progression monitoring to the next level: Clinical use of MR spectroscopy through a radiologist-friendly interface based on unsupervised machine learning and 3D display.**

### **ADRESSED PATHOLOGY:**

Cancer/Gliomas

### **GENERAL OBJECTIVE:**

To provide early relapse assessment tools based on Magnetic Resonance Spectroscopic Imaging (MRSI) for the characterization of the heterogeneity and infiltration areas in Glioblastomas. Convex non-negative factorization (cNMF), a machine learning technique, will be applied to extract information from the whole MRSI pattern and display the infiltration in three dimensions.

### **PARTICIPANTS:**

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### **CLINICAL/EXTERNAL GROUPS:**

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