



We aim at giving an overview of new advances of medical image analysis in **glioma, multiple sclerosis, stroke and trauma brain injuries**. We let researchers from the medical image analysis domain with radiologists and neurologists meet, and discuss these diseases and traumas, with the goal of comparing neuroimaging biomarkers which can be used on one or applied to the others.

We solicit manuscript that use methods of medical image analysis in at least one of the four diseases focusing on the following aspects:

- Lesion segmentation (glioma, multiple sclerosis, stroke, traumatic brain injuries).
- Longitudinal data analysis.
- Novel MRI sequences and contrast agents.
- Diffusion imaging.
- Clinical related aspects.
- Neurosonography.
- Connectomics.
- Dynamical models.

The event will be conducted jointly with the Brain Tumor Segmentation ([www.brain tumor segmentation.org](http://www.brain tumor segmentation.org)) and WMH Segmentation ([wmh.isi.uu.nl](http://wmh.isi.uu.nl)) challenge.

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Selected papers will be published by Springer Verlag

