Welcome to the Brain Lesions (Brainles) workshop, a medical imaging event of the International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI) society. We aim at giving an overview of new advances of medical image analysis in glioma, multiple sclerosis (MS), stroke and trauma brain injuries. We let researchers from the medical image analysis domain with radiologists and neurologists meet, and discuss about these diseases and traumas, with the goal of comparing neuroimaging biomarkers which can be used in one of them or applied to the others.

We solicit manuscripts that use methods of medical image analysis in at least one of the four diseases focusing on the following aspects:
- Lesion segmentation (glioma, MS, stroke, traumatic brain injuries).
- Longitudinal data analysis.
- Novel MRI sequences and contrast agents.
- Diffusion imaging.
- Clinical related aspects.
- Neurosonography.
- Connectomics.
- Dynamical models.

Manuscripts are anonymously peer-reviewed, max 8 pages LNCS format. Workshop post-proceedings will be published by Springer. Submission and Registration on www.brainlesion-workshop.org

The event will be held in conjunction to the MICCAI challenges on Brain tumor segmentation (BRATS), and Computation Precision Medicine: Radiology-Pathology (CPM-RadPath).

Organizers
- Alessandro Crimi
  University Hospital of Zurich
- Spyridon Bakas
  University of Pennsylvania
- Christian Barillot
  INRIA

Program Committee
- Benjamin Bearer
  Harvard University
- Keyvan Farahani
  National Institutes of Health
- MacLean Nasrallah
  University of Pennsylvania
- Jayashree Kalpathy-Cramer
  Harvard University
- Tahsin Kurc
  Stony Brook University
- Meritxell Bach Cuadra
  University of Lausanne
- Ender Konukoglu
  ETH-Zurich
- Koen Van Leemput
  Harvard Medical School
- Mauricio Reyes
  Universität Bern