**Topic Session 5: Basic science, molecular biology and controversies in glioma management**

**Moderators:**
- Iñigo Pomposo. Neurosurgery Cruces University Hospital. Biocruces, Bizkaia
- José Vicente Lafuente. Department of Neurosciences. University of the Basque Country

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<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Angiogenic signalling pathways altered in gliomas: selection mechanisms for more aggressive neoplastic subpopulations with invasive phenotype</td>
<td>Susana Bulnes. Department of Neurosciences. University of the Basque Country</td>
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<td>09:10</td>
<td>Essential molecular biological markers as pronostic factors</td>
<td>Monika Hegi. Clinical neurosciences Centre Hospitalier Universitaire Vaudois. Lausanne</td>
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<td>09:40</td>
<td>Postoperative treatment of LGG based in the biological molecular status</td>
<td>François Ducray. Neuro-Oncology Hôpital Pierre Wertheimer. Lyon</td>
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<td>09:55</td>
<td>MRI Kinetics for the pre and postoperative management of LGG</td>
<td>Johan Pallud. Centre Hospitalier Sainte Anne. Paris</td>
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<td>10:05</td>
<td>Can postoperative adjuvant treatment of LGG be postponed?</td>
<td>Emmanuel Mandonnet. Hôpital Lariboisière. Paris</td>
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<td>10:25</td>
<td>Factors that promote ipsi-lesional and contral-lesional recruitment in brain tumor patients: a longitudinal fMRI study</td>
<td>Nathan W. Kong, Matthew C. Tate. Neurosurgery Feinberg School of Medicine, Northwestern University. Chicago</td>
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<td>10:35</td>
<td>Round Table</td>
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**Coffee Break**

**Topic Session 6: Database, Proposals for new collaborative studies and Decision on next meeting location.**

**Moderators:**
- Emmanuel Mandonnet. Hôpital Lariboisière. Paris
- Iñigo Pomposo. Neurosurgery Cruces University Hospital. BioCruces, Bizkaia

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<tr>
<td>11:15</td>
<td>Survey on current practice within the European Low-Grade Glioma Network: where do we stand and what is the next step?</td>
<td>Emmanuel Mandonnet. Hôpital Lariboisière. Paris</td>
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<td>11:30</td>
<td>Adaptation of the Dutch Linguistic Intraoperative Protocol: an international collaboration</td>
<td>Satoer D &amp; De Witte E et al. Erasmus MC University Medical Center Rotterdam. Free University of Brussels. ZNA Middelheim, Antwerp</td>
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<td>11:40</td>
<td>Database and Proposals for new collaborative studies within the network</td>
<td>All the Participants</td>
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<tr>
<td>11:55</td>
<td>Decision on next meeting location, closing remarks and adjournment</td>
<td>All the Participants</td>
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07:45 Registration
08:15 Welcome address
08:30 Why a screening program for LGG necessary? The European Screening project
08:45 Pre and post operative evaluation of insular gliomas. Probability resection index
09:05 Surgical aspects of the incidental low grade gliomas and supracomplete resection
09:35 Supratotal resection in low grade gliomas: feasibility and clinical impact
10:10 OFFICIAL OPENING
10:30 Topic Session 1: Early detection of LGG and its surgical implications resection. Is a screening program feasible and justified?
Nader Sanai. Barrow Neurological Institute. Phoenix
10:45 Language and cognition evaluation in awake brain surgery
Manuel Carreiras. BCBL Basque Center on Cognition, Brain and Language. San Sebastián
11:10 TMS: Brain plasticity and neurorehabilitation
Sandro M. Krieg. Neurosurgery Technische Universität München. Munich
11:30 TMS experience in Graz
Gord von Campe. Neurosurgery Medical University of Graz. Graz
11:40 (1) Neurocognitive dysfunction prior to anti-tumor treatment in patients with diffuse glioma: A retrospective cohort study. (2) Tumor-related neurocognitive dysfunction in patients with diffuse glioma: A systematic review of neurocognitive functioning prior to anti-tumor treatment
Emma van Kessel et al. University Medical Centre Utrecht
11:55 Brain tumor resection with and without neuropsychological support during awake craniotomy – effects on surgery and clinical outcome
Sebastian Illeet al. MBA Department of Neurosurgery, Technische Universität München, Germany.
12:05 Task-specific preservation of written language through intra-operative assessment
F.C. van Ierschot et al. Neuropsychology. Università degli Studi di Trento
12:15 Investigating neurophysiological correlates of concentration before and after and brain surgery
M.J. de Dreu et al. Elisabeth-TweeSteden Hospital, Tilburg, UMC Utrecht, The Netherlands
12:25 Round Table
12:50 Lunch
13:30 Transopercular insular approach in the awake patient: always the best option?
Hugues Duffau. Neurosurgery CHU Gui de Chauliac. Montpellier
14:00 The peri-insular subcortical network
Lorenzo Bello. Neurosurgery Università degli Studi di Milano and Humanitas Research Hospital
14:20 How does the new generation operate insular gliomas?
Philip C. De Witt. Neurosurgery VU University Medical Center. Amsterdam
14:35 Insular Gliomas: Hôpital St. Anne experience
Johan Pallud. Neurosurgery Centre Hopitalier Sainte Anne. Paris
14:45 The evolution of the anesthesiological care for awake craniootomy
Teresa Herrera, Fernando Iturri, Karmele de Orte. Anesthesiology Cruces University Hospital & Galdakao Hospital. Bizkaia
14:55 Round Table
15:25 USA experience with screening: The Brain tumor foundation. Videoconference
Philip E. Stieg. Neurosurgery Weill Cornell Medical College. New York
Alfred Neugut. Epidemiology at the Columbia University Medical Center. New York
16:00 New surgical Strategies for optimizing insular resections and future considerations of the LGG surgery
Nader Sanai. Neurosurgery Barrow Neurological Institute. Phoenix, Arizona
16:35 Tracking the subcortical fibers involved in the inhibition of automatic responses: A direct electrical stimulation study
Guglielmo Puglisi et al. Humanitas Research Hospital, Milan
16:45 A low-grade astrocytoma in the left supplementary motor area in a left-handed woman with left language-dominance – a candidate for resection or not?
Annelies Aerts et al. AZ Sint-Lucas, Artevelde University College, Ghent, Belgium
16:55 Round Table
18:15 Official photo. Guggenheim terrace (Puppy)
18:30 Guggenheim Museum. Guided tour. Sponsored by the Bilbao City Council & BBVA Foundation
20:00 Networking dinner. Yandiola Restaurant