The structural and functional systems of the brain have complex networks in which connections play a prominent role. Gliomas are infiltrating tumors that can alter the normal function of these connections in different ways. Operating on and dealing with these tumors requires a global approach that considers the tumor relative to the brain, and therapeutic goals are measured in terms of quality of life and effective brain functioning. Consequently, neurosurgeons need to assemble a large amount of information before deciding to operate. As never before, modern neurosurgeons have the opportunity to enrich their cultural background through the translational flow of information as a result of neuroscience research. Intraoperative brain mapping techniques provide the unique opportunity to directly explore brain function and represent an extraordinary integration with non-invasive methods. The aim of this congress is to gather international leading experts from different neuroscience domains to foster the exchange of knowledge between basic and clinical neuroscientists. It will represent close interactions between neurosurgeons, neurologists, neurophysiologists, neuroradiologists, neuropsychologists and basic neuroscientists. Connections will be the keyword of the congress, as the talks will explore interactions between the brain and gliomas, beginning with the normal structure and function of the brain through fascinating research in cortical and subcortical brain anatomy and theoretic brain function modeling. Non-invasive brain mapping techniques, such as fMR (active and resting state), TMS and neuropsychology exploration, will also be discussed, leading to a core feature of the congress, which includes the latest surgical techniques and intraoperative brain mapping. An entire section will be dedicated to outcome measures, with a special emphasis on quality of life from neurosurgical and neuropsychological perspectives. Indeed, connections between brain surgeons, neuroscientists, neuroimaging experts and neuropsychologists is definitely a keyword in modern glioma therapy.
Auspices and Patronage


### Faculty

- **Barcia Albacar Juan A.** (Madrid, Spain)
- **Bello Lorenzo** (Rozzano, MI, Italy)
- **Berger Mitchel** (San Francisco, USA)
- **Bergui Mauro** (Turin, Italy)
- **Bizzó Alberto** (Milan, Italy)
- **Bugliione Di Monale Michela** (Brescia, Italy)
- **Caleo Matteo** (Pisa, Italy)
- **Carapella Carmine** (Rome, Italy)
- **Caroli Manuela** (Milan, Italy)
- **Carrabba Giorgio** (Milan, Italy)
- **Castellano Antonella** (Milan, Italy)
- **D'Avella Domenico** (Rovigo, Italy)
- **Dell'Acqua Flavio** (London, UK)
- **Destrieux Christophe** (Tours, France)
- **DiMeco Francesco** (Milan, Italy)
- **Ducati Alessandro** (Turin, Italy)
- **Duffau Hugues** (Montpellier, France)
- **Esposito Vincenzo** (Pozzilli, IS, Italy)
- **Fontanella Marco Maria** (Brescia, Italy)
- **Garbossa Diego** (Turin, Italy)
- **Gasparotti Roberto** (Brescia, Italy)
- **Giussani Carlo** (Monza, Italy)
- **Hartwigsens Gesa** (Kiel, Germany)
- **Innocenti Giorgio** (Stockholm, Sweden)
- **Klein Martin** (Amsterdam, Netherlands)
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- **Ramsey Nicholas F.** (Utrecht, Netherlands)
- **Rothwell John** (London, UK)
- **Rouiller Eric** (Fribourg, Swiss)
- **Rudà Roberta** (Turin, Italy)
- **Sala Francesco** (Verona, Italy)
- **Sganzerla Erik** (Monza, Italy)
- **Skrap Miran** (Udine, Italy)
- **Spina Giannantoni** (Brescia, Italy)
- **Stefini Roberto** (Brescia, Italy)
- **Stummer Walter** (Munster, Germany)
- **Vercelli Alessandro** (Turin, Italy)
- **Zemmoura Ilyess** (Tours, France)
- **Zona Gianluigi** (Genova, Italy)

### Oral Communications & Poster

- **Alafaci Concetta** (Messina, Italy)
- **Bertani Giulio Andrea** (Milan, Italy)
- **Carvi Y Nievas Mario** (Traunstein, Germany)
- **Castañer Sara** (Barcelona, Spain)
- **Cerina Giovanna** (Rozzano, MI, Italy)
- **Chrabaszcz Anna** (Moscow, Russia)
- **Conte Gian Marco** (Milan, Italy)
- **D'Agata Federico** (Turin, Italy)
- **De Witte Elke** (Brussel, Belgium)
- **Panicelli Vincenzo** (Bar, Italy)
- **Gershing Karin** (Tilburg, Netherlands)
- **Goryaynov Sergey** (Moscow, Russia)
- **Jansma Johan Martin** (Tilburg, Netherlands)
- **Källio Merja** (Helsinki, Finland)
- **Krcik Tomas** (Ostrava, Czech Republic)
- **Kulikov Alexander** (Moscow, Russia)
- **Giussani Carlo** (Monza, Italy)
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- **Zona Gianluigi** (Genova, Italy)

- **Lau Ruth** (Barcelona, Spain)
- **Maffei Chiara** (Trento, Italy)
- **Mattavelli Giulia** (Milan, Italy)
- **Mattei Luca** (Milan, Italy)
- **Pallud Johan** (Paris, France)
- **Paris Cristiano** (Verona, Italy)
- **Pisoni Alberto** (Milan, Italy)
- **Raffa Giovanni** (Messina, Italy)
- **Rech Fabien** (Nancy, France)
- **Ricciardi Giuseppe Kenneth** (Verona, Italy)
- **Robert Erik** (Ghent, Belgium)
- **Rofes Adria** (Groningen, Netherlands)
- **Rosazza Cristina** (Milan, Italy)
- **Satoer Dajina** (Rotterdam, Netherlands)
- **Sieprowska Joanna** (Barcelona, Spain)
- **Sindorino Carmen** (Messina, Italy)
- **Tuovinen Noora** (Rome, Italy)
- **Van Ierschot Fleur Celine** (Rovereto, TN, Italy)
- **Vitali Paolo** (Pavia, Italy)
- **Zarino Barbara** (Milan, Italy)
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<tr>
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<td>15.25</td>
<td>Introduction</td>
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<td>16.30</td>
<td>Key Lecture Alessandro Vercelli (Turin, Italy)</td>
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<td>17.00</td>
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<td>Adjourn and Welcome aperitif</td>
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<td>09.10</td>
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<td>Closing Remarks</td>
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Thursday, September 24th, 2015

14.00 Registration
15.00 Opening Ceremony
  Marco M. Fontanella • Meeting President
  Sergio Pecorelli • Rector University of Brescia
  Ezio Belleri • General Director Spedali Civili of Brescia
  Maurizio Memo • Dept. Molecular Medicine University of Brescia
  Alberto Delitala • SINc Presiden

15.25 Introduction
  Giannantonio Spena • Meeting Co-President

I Session
THE MICROSCOPIC BASIS OF PLASTICITY – 1st part
Moderators:
  Maria Cristina Missale (Brescia, Italy)
  Alessandro Ducati (Turin, Italy)

15.30 CORTICAL AXONS, GEOMETRICAL AND TIME COMPUTING PROPERTIES
  Giorgio Innocenti (Stockholm, Sweden)

15.50 POSTLESIONAL CORTICAL PLASTICITY
  Eric Rouiller (Fribourg, Swiss)

16.10 GLIOMA-INDUCED PLASTICITY IN THE MOUSE CEREBRAL CORTEX
  Matteo Caleo (Pisa, Italy)

16.30 Key Lecture
  ANATOMICAL CONNECTIVITY OF CORTICAL PROJECTION NEURONS
  Alessandro Vercelli (Turin, Italy)

17.00 THE FIBRATLAS PROJECT: USING DISSECTION TO VALIDATE MR-TRACTOGRAPHY
  Christophe Destrieux, Ilyess Zemmoura (Tours, France)

17.20 CADAVER 3D FIBER DISSECTIONS
  Juan Martino Gonzalez (Santander, Spain)

17.40 Coffee Break

II Session
THE MICROSCOPIC BASIS OF PLASTICITY – 2nd part
Moderators:
  Diego Garbossa (Turin, Italy)
  Juan Martino Gonzalez (Santander, Spain)

18.10 SELECTED ORAL COMMUNICATIONS

18.10 CEREBELLUM CLUSTERING AND FUNCTIONAL CONNECTIVITY DURING PAIN PROCESSING

18.20 SPECIFIC DISGUST PROCESSING IN THE LEFT INSULA: NEW EVIDENCE FROM DIRECT ELECTRICAL STIMULATION
  A. Pisoni, G. Mattavelli, A. Casarotti, A. Comi, F. Fumagalli, M. Vernice, E. Fava, M. Riva, L. Bello, C. Papagno (Milan, Italy)

18.30 FUNCTIONAL CONNECTIVITY CHANGES IN THE PRESENCE OF GLIOBLASTOMAS
  N. Tuovinen1,2, F. de Pasquale1, C. Falletta Caravasso1, E. Giudice1, R. Miceli1, G. Ingrassia1, R. Santoni1, U. Sabatini1 (1Rome, Italy; 2Chieti, Italy)

18.40 EFFECTS OF KLINGLER’S PREPARATION AND DISSECTION ON HUMAN WHITE MATTER ULTRASTRUCTURE. AN ELECTRON MICROSCOPY STUDY
  I. Zemmoura, E. Blanchard, P.I. Raynal, C. Rousello-Denis, C. Destrieux, S. Velut (Tours, France)

18.50 LEFT FRONTAL ASLANT TRACT AND LANGUAGE FUNCTION: A CORTICAL-SUBCORTICAL STIMULATION MAPPING STUDY
  R. Lau, A. Fernández-Coello, J. Sierpowska, Á. Camins, S. Castaño, M. Juncadella, A. Gabarrós (Barcelona, Spain)

19.00 Adjourn Welcome Aperitif
Friday, September 25th, 2015

**III Session**
FUNCTIONAL NEUROIMAGING NON-INVASIVE BRAIN MAPPING TECHNIQUE – 1st part

Moderators:
Antonino Germanò (Messina, Italy)
Alessandro Padovani (Brescia, Italy)

17’ presentation + 3’ discussion

08.30 TMS-EEG AND CONNECTIVITY
Carlo Miniussi (Brescia, Italy)

08.50 HOW DOES TRANSCRANIAL MAGNETIC STIMULATION MODIFY NEURONAL ACTIVITY IN THE BRAIN?
IMPLICATIONS FOR STUDIES OF COGNITION
Gesa Hartwigsen (Kiel, Germany)

09.10 **Key Lecture**
THERAPEUTIC NON-INVASIVE BRAIN STIMULATION: WHAT LIMITS TREATMENT SUCCESS?
John Rothwell (London, UK)

09.40 INDUCING CORTICAL PLASTICITY WITH CORTICAL STIMULATION
Juan A. Barcia Albacar (Madrid, Spain)

10.00 TMS: USEFULNESS IN PRESURGICAL PLANNING AND NAVIGATED TMS
Thomas Picht (Berlin, Germany)

10.20 Coffee Break

**IV Session**
FUNCTIONAL NEUROIMAGING NON-INVASIVE BRAIN MAPPING TECHNIQUE – 2nd part

Moderators:
Mauro Bergui (Turin, Italy)
Roberto Gasparotti (Brescia, Italy)

17’ presentation + 3’ discussion

10.50 STUDYING BRAIN FUNCTION WITH TASK-FREE FMRI
Nicolas F. Ramsey (Utrecht, Netherlands)

11.10 MR DIFFUSION TRACTOGRAPHY: OVERCOMING THE LIMITS OF DTI
Flavio Dell’Acqua (London, UK)

11.30 CLINICAL IMPACT OF PRESURGICAL MAPPING IN ELOQUENT AREAS WITH FMRI AND MR DIFFUSION TRACTOGRAPHY
Alberto Bizzi (Milan, Italy)

11.50 Discussion

**V Session**
FUNCTIONAL NEUROIMAGING NON-INVASIVE BRAIN MAPPING TECHNIQUE – 3rd part

Moderators:
Giorgio Carrabba (Milan, Italy)
Roberto Stefini (Brescia, Italy)

7’ presentation + 3’ discussion

12.10 SELECTED ORAL COMMUNICATIONS

12.10 MAPPING MOTOR CORTEX WITH TASK-BASED AND RESTING-STATE FMRI: A COMPARATIVE ASSESSMENT
C. Rosazza1, D. Aquino1, L. D’Incerti1, R. Cordella1, A. Andronache1, D. Zac2, M.G. Bruzzone2, G. Tringali2, L. Minati1,2 (Milan, Italy; Trento, Italy)
12.20 ADVANCED MAPPING OF THE CORTICO-SPINAL TRACT IN BRAIN TUMORS: MR HARDI Q-BALL TRACTOGRAPHY OF THE DIFFERENT COMPONENTS ACCORDING TO THEIR FUNCTIONAL ORIGIN AND VALIDATION WITH INTRAOPERATIVE STIMULATION


12.30 CSD MRI TRACTOGRAPHY IN PRESURGICAL PLANNING OF FRONTO-PARIETAL HIGH-GRADE GLIOMAS

C. Alafaci, F. Granata, E. Mormina, D. Marino, M. Longo, F. Tomasello (Messina, Italy)

12.40 NAVIGATED TRANSCRANIAL MAGNETIC STIMULATION FOR LANGUAGE MAPPING INPATIENTS WITH BRAIN LESIONS IN DOMINANT PERSILVIANAREAS: EVIDENCE OF LANGUAGE INTRA-HEMISPHERIC PLASTICITY AND IMPACT ON OUTCOME

A. Germanò, A. Conti, G. Raffa, A. Scibilia, C. Sindorio, M. Quattropani, F. Tomasello (Messina, Italy)

12.50 NTMS-BASED DTI FIBER TRACKING OF LANGUAGE PATHWAYS IN BRAIN TUMOR PATIENTS: A FEASIBILITY STUDY

G. Raffa, I. Bährend, P. Vajkoczy, T. Picht (Messina, Italy; Berlin, Germany)

13.00 PREOPERATIVE PLANNING BASED ON NAVIGATED TRANSCRANIAL MAGNETIC STIMULATION IMPROVES SURGICAL TREATMENT OF BRAIN LESIONS LOCATED NEAR THE MOTOR PATHWAY

A. Germanò, A. Conti, G. Raffa, A. Scibilia, C. Sindorio, M. Quattropani, F. Tomasello (Messina, Italy)

13.10 PRESURGICAL MAPPING IN GLIOMAS: RESULTS OF THE ITALIAN DTI TRACTOGRAPHY CHALLENGE

G. K. Ricciardi, G. Spena, A. Castellano, M. Caulo, T. Ius, M. Thiebaut de Schotten, A. Bizzi (Brescia, Italy)

13.20 BUFFET LUNCH

14.00 PREOPERATIVE AND INTRAOPERATIVE COGNITIVE ASSESSMENT IN GLIOMA PATIENTS

Gabriele Miceli (Rovereto, TN, Italy)

14.20 SURVIVAL AND FUNCTIONS IN LOW GRADE GLIOMAS

Miran Skrap (Udine, Italy)

14.40 A NEW PHILOSOPHY IN SURGERY FOR DIFFUSE LOW-GRADE GLIOMAS: TOWARDS A PROPHYLACTIC AND FUNCTIONAL NEURO-Oncology

Hugues Duffau (Montpellier, France)

15.00 TAILORING NEUROPHYSIOLOGICAL STRATEGIES IN GLIOMAS INVOLVING MOTOR PATHWAYS

Lorenzo Bello (Rozzano, MI, Italy)
Friday, September 25th, 2015

15.20 Key Lecture
BRAIN PLASTICITY AND SURGICAL RESECTION OF GLIOMAS
Hugues Duffau (Montpellier, France)

15.50 Coffee Break

VII Session
FUNCTIONAL NEURO-ONCOLOGICAL SURGERY – 2nd part

Moderators:
Vincenzo Esposito (Pozzilli, IS, Italy)
Giannantonio Spena (Brescia, Italy)

16.20 Key Lecture
FUNCTIONAL OUTCOME AFTER LANGUAGE MAPPING FOR GLIOMA RESECTION
Mitchel S. Berger (San Francisco, USA)

18.10 SELECTED ORAL COMMUNICATIONS

18.10 SUBCORTICAL LANGUAGE MAPPING IN AWAKE BRAIN SURGERY: FOCUS ON (NEW) QUICK MIXED TESTS (QMT) AND INDUCED SPONTANEOUS SPEECH (ISS)
E. Robert, A. Aerts, D. Colle, B. Noens, G. Alessi, B. D’haen, H. Colle (Ghent, Belgium)

18.20 STRAIN ELASTOSONOGRAPHY IN GLIOMA SURGERY
F. Prada, L. Mattei, A. Moiraghi, A. Rampini, M. Del Bene, F. DiMeco (Milan, Italy)

18.30 INTRAOPERATIVE LANGUAGE MAPPING USING NOUNS AND FINITE VERBS
A. Rofes1, G. Spena2, A. Talacchi3, B. Santini3, A. Miozzo2, G. Miceli1 (1 Trento, Italy; 2 Brescia, Italy; 3 Verona, Italy)

18.40 INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING FOR THE RESECTION OF BRAIN TUMORS IN PEDIATRIC PATIENTS
Francesco Sala (Verona, Italy)

18.50 DISCUSSION

VIII Session
FUNCTIONAL NEURO-ONCOLOGICAL SURGERY – 3rd part

Moderators:
Manuela A. Caroli (Milan, Italy)
Gianluigi Zona (Genova, Italy)

19.10 5-AMINOLEVULINIC ACID-GUIDED SURGERY IN PRIMARY AND RECURRENT MALIGNANT GLIOMAS. ITS RELATIONSHIP WITH THE AREA OF RESECTION AND APPEARANCE OF NEW POSTOPERATIVE NEUROLOGICAL DEFICITS
M. Carvi y Nievas (Traunstein, Germany)

19.20 Adjourn
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<td>NEUROCognitive FUNCTION AND QUALITY OF LIFE IN GLIOMA PATIENTS</td>
<td>Martin Klein</td>
<td>Amsterdam, Netherlands</td>
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<td>08.50</td>
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<td>THE ROLE OF NEUROCognitive ASSESSMENT IN THE FOLLOW-UP OF GLIOMAS</td>
<td>Costanza Papagno</td>
<td>Milan, Italy</td>
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<tr>
<td>09.10</td>
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<td>SEIZURE IN LOW GRADE GLIOMAS: A BIOMARKER OF TREATMENT RESPONSE AND AN END-POINT FOR CLINICAL TRIALS</td>
<td>Roberta Rudà</td>
<td>Turin, Italy</td>
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<td>09.30</td>
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<td>GLIOMAS SURGERY OR EPILEPSY SURGERY?</td>
<td>Giorgio Lo Russo</td>
<td>Milan, Italy</td>
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<td>09.50</td>
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<td>DIRECT BRAIN MAPPING, INTRAOPERATIVE SEIZURES AND ANTIepileptic DRUG PROPHYLAXIS: A SURVEY AMONG 16 NEUROSURGICAL EUROPEAN CENTERS</td>
<td>Giannantonio Spena</td>
<td>Brescia, Italy</td>
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<td>10.40</td>
<td>XI Session: Quality of Life, Seizures, Neuroimaging – 3rd part</td>
<td>Key Lecture ONE YEAR OF FOLLOW-UP: QUALITY OF LIFE AND SEIZURES FOLLOWING GLIOMA SURGERY</td>
<td>Rudolf H. van den Bent</td>
<td>Utrecht, Netherlands</td>
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<td>11.10</td>
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<td>INCIDENTALLY DISCOVERED LGG: TIME FOR SCREENING</td>
<td>Emmanuel Mandonnet</td>
<td>Paris, France</td>
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<td>11.30</td>
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<td>RADIO-CHEMOTHERAPY OF GLIOMAS: DOSES AND THEIR CORRELATION WITH CLINICAL AND FUNCTIONAL OUTCOME</td>
<td>Michela Buglione di Monale</td>
<td>Brescia, Italy</td>
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<td>11.50</td>
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<td>ROLE OF DIFFUSION TENSOR MAGNETIC RESONANCE TRACTOGRAPHY IN PREDICTING THE EXTENT OF RESECTION IN GLIOMA SURGERY</td>
<td>Antonella Castellano</td>
<td>Milan, Italy</td>
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<tr>
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<td>X Session: Quality of Life, Seizures, Neuroimaging – 2nd part</td>
<td>COGNITIVE OUTCOME AFTER AWAKE SURGERY FOR LEFT AND RIGHT HEMISPHERE TUMOURS</td>
<td>E. De Witte, D. Satoer, E. Visch-Brink, P. Marien</td>
<td>Brussels, Belgium; Rotterdam, Netherlands; Groningen, Netherlands; Anversa, Belgium</td>
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Saturday, September 26th, 2015

12.40 THE SHORTENED DULIP PROTOCOL: A STANDARDIZED TOOL TO EVALUATE LANGUAGE PERFORMANCE BEFORE AND AFTER AWAKE GLIOMA SURGERY
D. Satoer1,2, E. De Witte3, R. Bastiaanse2, P. Mariën4, E. Visch-Brink1, (1Rotterdam, Netherlands; 2Groningen, Netherlands; 3Brussels, Belgium; 4Anversa, Belgium)

12.50 COMPARISON OF DYNAMIC SUSCEPTIBILITY CONTRAST-ENHANCED MR AND DYNAMIC CONTRAST-ENHANCED MR IMAGING IN GLIOMA GRADING
C. Santarosa, A. Castellano1, G. Conte, A. Iadanza, M. Cadioli, A. Franzin, M.R. Terreni, A. Falini, N. Anzalone (Milan, Italy)

13.00 PHYSICAL EXERCISE TO IMPROVE COGNITIVE FUNCTIONING IN GLIOMA PATIENTS: A PILOT RCT
K. Gehring1, M.M. Stuiver2, G.J. Rutten1, M.J.B. Taphoorn1, N.K. Aaronson2, M.M. Sitskoorn3 (1Tilburg, Netherlands; 2Amsterdam, Netherlands; 3The Hague, Netherlands)

13.10 HOW TO EXPLAIN COGNITIVE PROBLEMS TO A BRAIN TUMOR (BT) PATIENT
M. Kallio (Helsinki, Finland)

13.20 FUNCTIONAL TRAJECTORIES AND SURVIVAL RATES IN PATIENTS REHABILITATED AFTER TREATMENT FOR GLIOMA
G. Cerina1, L. Barulli, S. Ghirmal, C. Corsini, V. Colantonio, M. Pagani, B. Bernardini (Rozzano, Milan, Italy)

13.30 WHY GLIOMA PATIENTS SEIZE? ADDING GABA AND CHLORIDE TO THE GLUTAMATE HYPOTHESIS
J. Pallud (Paris, France; Groland, France)

13.40 Closing Remarks

13.50 End of the Meeting
P06  PROTOCOL STUDY BY FMRI AND DTI IN PATIENTS WITH LESIONS IN PREMOTOR REGION: WHEN, WHY AND HOW?
S. Castañer, À Camins, J. Sierpowska, S. Ruth Lau, A. Fernández, A. Gabarrós, M. Juncadella, A. Rodríguez, C. Majós, C. Aguilera (Barcelona, Spain)

P07  THE INVOLVEMENT OF THE MIDDLE FRONTAL AREAS IN LANGUAGE SWITCHING: INTRAOPERATIVE ELECTRICAL STIMULATION EVIDENCE
J. Sierpowska, A. Gabarrós, A. Fernandez-Coello, À Camins, S. Castañer, M. Juncadella, A. Rodríguez-Fornells (Barcelona, Spain)

P08  LANGUAGE REORGANIZATION CAPACITY IN PATIENTS WITH GLIOMAS IN THE FRONTAL AND TEMPORAL LOBES OF THE LEFT HEMISPHERE
A. Chrabaszcz, S. Buklina, V. Tolkacheva, A. Poddubskaya, V. Shishkina, M. Ryzhova, A. Poddubskaya, O. Dragoy (Moscow, Russia)

P09  DEVELOPMENT OF READING AND WRITING ASSESSMENT IN AWAKE SURGERY
F.C. Van Ierschot, A. Miozzo, G. Spina, M.M. Fontanella, G. Miceli (Trento, Italy; Groningen, Netherlands; Brescia, Italy)

P10  WHITE MATTER CONNECTIONS BETWEEN SUPPLEMENTARY MOTOR AREA AND ANTERIOR TEMPORAL LOBE IN FACE RECOGNITION AND NAMING: A RETROSPECTIVE STUDY
G. Bertani, B. Zarino, M. Minichiello, M. Caroli, M. Locatelli, P. Rampini, G. Carraiba (Milan, Italy)

P11  AWAKE SURGERY IN RECURRENT GLIOMAS
B. Zarino, G. Bertani, M. Caroli, M. Locatelli, P. Rampini, G. Carraiba (Milan, Italy)

P12  MAPPING OF VISUO-SPATIAL ABILITIES BY USING NAVIGATED TRANSCRANIAL MAGNETIC STIMULATION: A FEASIBILITY STUDY IN HEALTHY SUBJECTS AND PATIENTS AFFECTED BY NON- DOMINANT PARIETAL TUMORS
A. Germano, A. Conti, G. Raffa, A. Scibilia, C. Sindorio, M. Quattropani, F. Tomasello (Messina, Italy)

P13  THE ROLE OF PREOPERATIVE NEUROCOGNITIVE ASSESSMENT FOR CORTICAL COGNITIVE MAPPING: ONE SIZE DOESN'T FIT ALL
C. Sindorio, M. Quattropani, G. Raffa, A. Scibilia, A. Conti, A. Germano (Messina, Italy)

P14  NEUROPSYCHOLOGICAL ASSESSMENT IN LEFT FRONTAL GLIOMA PATIENT'S: THE ROLE OF EXECUTIVE FUNCTIONS AND MEMORY SKILLS FOR POSTOPERATIVE FUNCTIONAL OUTCOME AND HEALTH RELATED QUALITY OF LIFE
M. Quattropani, C. Sindorio, G. Raffa, A. Scibilia, A. Conti, A. Germano (Messina, Italy)

P15  SURVIVAL IN THE TREATMENT OF HIGH-GRADE GLIOMAS WITH WAFERS OF CARMUSTINE: OUR EXPERIENCE ON 112 PATIENTS AND COMPARISON WITH META-ANALYSIS STUDY
L.A. Lattanzi, V. Fanelli (Taranto, Italy)

P16  5-ALA INTRAOPERATIVE FLUORESCENCE IN LOW-GRADE GLIOMA SURGERY: A RETROSPECTIVE STUDY OF 27 PATIENTS
S.A. Goryaynov, A.A. Potapov, M.F. Goldberg, L.V. Shishkina, M.V. Ryzhova, A. P. Chumakova, V.Y. Zhukov, V.A. Ohlopkov, T. Saveleva, M.D. Varuykhina (Moscow, Russia)

P17  FLUORESCENCE GUIDED RESECTION OF Glioblastoma. Correlation Between The Fluorescence Intensity And The Proportion Of Malignant Cells In The Tissue
T. Krcik, P. Buzrla (Ostrava, Czech Republic)

P18  EFFECTS OF B-VALUE ON SPHERICAL DECONVOLUTION CHARACTERIZATION OF THE CORPUS CALLOSUM
C. Maffei, F. Dell’Acqua, J. Jovicich (Trento, Italy; London, UK)
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<tr>
<th>Category</th>
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<tr>
<td>Regular</td>
<td>€ 150.00</td>
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<td>€ 125.00</td>
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<td>Residents and Trainees*</td>
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<td>Accompanying person</td>
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<td>Company Staff*</td>
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- Entrance to the exhibition area
- Attendance Certificate for surgeons
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VENUE
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Distance between venue and city center 4 km.

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Milan Airport Linate at about 90 Km.
Milan Malpensa Airport Malpensa at about 130 Km.

By car - From Highway A4 Milano - Venezia exit Brescia Ovest. At the exit, take the Ring Road West continuing along the North Freeway. Follow the directions Stadium or hospital and continue to Via Oberdan. Going all the way, turn left into the Triumphal and after about 800 meters turn right for Via Branze, the Faculty of Medicine is located on the right, to enter the conference venue follow signs Emergency Hospital

By train - Brescia railway station is about 4.5 km
Schedules and costs on www.ferroviedellostato.it, Trenitalia number 892021

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