

## **CURRICULUM VITAE**

**Dr. Federico Giuseppe Legnani**

Neurochirurgo



Il dr. Federico Giuseppe Legnani è neurochirurgo presso la Fondazione IRCCS Istituto Neurologico “C. Besta” di Milano, dove svolge la propria attività in qualità di Dirigente Medico di 1° livello presso la prima divisione di Neurochirurgia.

Immediatamente dopo la laurea, ha vinto il concorso per la Scuola di Specializzazione in Neurochirurgia dell’Università degli Studi di Milano-Bicocca e si è formato professionalmente presso i principali Dipartimenti di Neurochirurgia della’area milanese (Fondazione IRCCS Istituto Neurologico “C. Besta”, Ospedale Maggiore Policlinico, Ospedale San Gerardo di Monza). Sin dai primi anni di specialità ha rivolto il proprio interesse principalmente verso la Neurochirurgia Oncologica, a tal fine ha ottenuto e portato a termine (2002-2004) una Research Fellowship in Neurosurgical Oncology presso il Dipartimento di Neurochirurgia della Johns Hopkins University di Baltimora, Maryland, negli Stati Uniti. Durante tale periodo ha svolto attività di ricerca, pubblicando numerosi articoli scientifici e ha affinato le tecniche microchirurgiche e la sua conoscenza anatomica dell’encefalo e delle strutture intracraniche presso l’Hunterian Laboratory. Durante tale esperienza è stato vincitore dell’Harvey Cushing Hunterian Award attribuito al Fellow con i migliori risultati di ricerca in neurochirurgia, vincitore dell’Augustus McCravey Award presso la Southern Neurosurgical Society e vincitore del Galbraith Award presso la AANS/CNS Cerebrovascular Section. Rientrato in Italia, si è specializzato in Neurochirurgia e ha cominciato a svolgere la sua attività presso la Fondazione IRCCS Istituto Neurologico “C. Besta” di Milano. Ha ottenuto inizialmente un contratto di collaborazione coordinata e continuativa e successivamente è stato assunto come Dirigente Medico presso la 1° divisione di Neurochirurgia. Il suo interesse clinico e di ricerca è rivolto alla patologia oncologica dell’encefalo e del rachide, con un particolare riferimento alla chirurgia delle lesioni cerebrali gliali di alto e basso grado, le metastasi, i meningiomi e alla chirurgia oncologica del midollo spinale. Si occupa inoltre di chirurgia delle patologie degenerative del rachide lombare e cervicale (ernia discale e stenosi del canale spinale). E’ autore di 23 articoli scientifici peer reviewed indicizzati in Medline e dotati di impact factor e di 93 abstract presentati a congressi nazionali ed internazionali.

### **Aree di interesse specifico**

- Chirurgia dei tumori gliali (glioblastoma, astrocitoma anaplastico, astrocitoma di basso grado di malignità) con particolare riferimento alle lesioni in area eloquente (aree motorie e del linguaggio): pianificazione preoperatoria con Risonanza Magnetica Funzionale, Trattografia, intervento chirurgico in microchirurgia assistita da immagini (neuronavigazione, ecografia intraoperatoria, 5ALA, monitoraggio neurofisiologico). Queste metodiche permettono di massimizzare l’entità della resezione chirurgica minimizzando il rischio di deficit neurologici post-operatori.
- Chirurgia dei meningiomi della convessità, del seno sagittale superiore e del basicranio anteriore.
- Chirurgia dei tumori intrinseci del cervelletto (ependimoma, medulloblastoma, astrocitoma pilocitico)
- Chirurgia delle metastasi cerebrali e cerebellari.
- Chirurgia dei tumori del midollo spinale con monitoraggio neurofisiologico intraoperatorio.

## CURRICULUM DETTAGLIATO

### NOME

Dr. Federico Giuseppe Legnani, medico-chirurgo  
Specialista in Neurochirurgia

### ATTUALE POSIZIONE LAVORATIVA

Dirigente medico di I livello,  
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### TITOLI DI STUDIO

15 Settembre 1988- 17 Luglio 1993 Diploma di maturità presso il Liceo Classico "G. Berchet" di Milano

1 Novembre 1993- 19 Ottobre 1999 Laurea in Medicina e Chirurgia presso l'Università degli Studi di Milano. Tesi. "Angiomi cavernosi ed epilessia: valutazione pre-chirurgica con metodiche non invasive e risultati clinici a distanza." (110/110)

1 Novembre 1999- 11 Novembre 2005 Specialità in Neurochirurgia presso l'Università degli Studi di Milano. (70/70)

### FELLOWSHIP

4 Ottobre 2002- 15 Novembre 2004 Post-Doctoral Research Fellow, presso la divisione di Neurochirurgia Oncologica e Cerebrovascolare della Johns Hopkins University, School of Medicine, Baltimore, MD, USA

### AWARDS, HONORS

1999 Vincitore dell'*Erasmus-Socrates exchange program* presso la Virchow Klinik della Humboldt University, Berlino, Germania

2004 Vincitore dell'*Harvey Cushing Hunterian Award* presso il dipartimento di Neurochirurgia di Johns Hopkins University, School of Medicine, Baltimore,

MD, USA, attribuito al Fellow con i migliori risultati di ricerca in neurochirurgia

2004 Vincitore dell'*Agustus McCravey Award* presso la Southern Neurosurgical Society per lo studio dal titolo: "Lysis of intraparenchymal hematoma with stereotactically implanted tPA polymers in a rabbit model"

2004 Vincitore del *Galbraith Award* presso la AANS/CNS Cerebrovascular Section per lo studio dal titolo: "Simvastatin attenuates experimental cerebral vasospasm and ameliorates serum markers of neuronal and endothelial injury in patients after subarachnoid hemorrhage: A dose-response effect dependent on endothelial nitric oxide synthase"

### **ESPERIENZA DI RICERCA**

1 Febbraio 2001- 30 Settembre 2002 Collaborazione con il laboratorio di Neuro-immuno-oncologia presso la Fondazione IRCCS Istituto Neurologico "C. Besta", Milano

4 Ottobre 2002- 15 Novembre 2004 Post-Doctoral Research Fellow, presso la divisione di Neurochirurgia Oncologica e Cerebrovascolare della Johns Hopkins University, School of Medicine, Baltimore, MD, USA

### **BIBLIOGRAFIA**

1. Marras C, Mendola C, **Legnani FG**, DiMeco F., "Immunotherapy and biological modifiers for the treatment of malignant brain tumors". *Curr Opin Oncol.* 2003 May;15(3):204-8.
2. **Legnani FG**, Pradilla G, Wang PP, Brem H, Olivi A, Di Meco F. Local delivery of antineoplastic agents using biodegradable polymers for the treatment of malignant brain tumors. *Expert Rev Neurotherapeutics.* 2003; 3:89-102.
3. Pradilla G, Wang PP, **Legnani FG**, Ogata L, Dietsch GN, Tamargo RJ. Anti-CD11/CD18 monoclonal antibody therapy prevents vasospasm after subarachnoid hemorrhage in rabbits. *J Neurosurg.* 2004 July; 101(1):88-91.
4. Pradilla G, Wang PP, **Legnani FG**, Frazier JL, Tamargo RJ. Pharmacokinetics of controlled release polymers in the subarachnoid space after subarachnoid hemorrhage in rabbits. *J Neurosurg.* 2004 July; 101(1):99-103.

5. Pradilla, G., Thai, Q.A., **Legnani, F.G.**, Hsu, W., Kretzer, R.M., Wang, P. P., Tamargo, R. J. Delayed intracranial delivery of a nitric oxide donor from a controlled-release polymer prevents experimental cerebral vasospasm in rabbits. *Neurosurgery* 2004 December; 55 (6):1393-99.
6. Mantha, A., **Legnani, F.G.**, Bagley, C.A., Gallia, G., Garonzik, I., Pradilla, G., Amundson, E., Tyler, B.M., Brem, H., Gokaslan, Z. A new model of spinal metastasis in rats. *J Neurosurg Spine* 2005 March; 2 (3): 303-307 Cover Article.
7. Raza SM, Pradilla G, **Legnani FG**, Thai QA, Olivi A, Brem H. Local delivery of antineoplastic agents for the treatment of malignant brain tumors. *Expert Opin Mol Ther*, 2005, (5) 4: 477-494
8. Pradilla, G., Thai, Q.A., **Legnani, F.G.**, Clatterbuck, R.E., Gailloud, P., Murphy, K.P.J., Tamargo, R.J. Local delivery of ibuprofen via controlled-release polymers prevents angiographic vasospasm in a monkey model of subarachnoid hemorrhage. *Neurosurgery*, 2005 July; 57 (1 Suppl):184-90.
9. Mavinkurve, G., Pradilla, G., **Legnani, F.G.**, Bagley, C.A., Brem, H., Jallo, G. A novel intramedullary spinal cord tumor model in rabbits: functional, radiological, and histopathological characterization. *J Neurosurg Spine*, 2005 August; 3 (2): 142-8
10. Pradilla, G., **Legnani, F. G.**, Petrangolini, G., Francescato, P., Chillemi, F., Tyler, B. M., Brem, H., Olivi, A., DiMeco, F. Local delivery of a novel endostatin fragment for the treatment of experimental gliomas. *Neurosurgery*, 2005 December; 57 (5) 1032-40.
11. Pappada G, Beghi E, Marina R, Agostoni E, Cesana C, **Legnani F**, Parolin M, Petri D, Sganzerla EP. Hemodynamic instability after extracranial carotid stenting. *Acta Neurochir (Wien)*. 2006 Jun;148(6):639-45. Epub 2006 Mar 8.
12. Thai, Q.A., Pradilla, G., **Legnani, F.G.**, Kretzer, R.M., Hsu, W., Tamargo, R.J. Lysis of intraparenchymal hematoma with stereotactically implanted tissue plasminogen activator polymers in a rabbit model. *J Neurosurg*. 2006 Sep;105(3):424-9
13. Caplan J, Pradilla G, Hdeib A, Tyler BM, **Legnani FG**, Bagley CA, Brem H, Jallo G. A novel model of intramedullary spinal cord tumors in rats: functional progression and histopathological characterization. *Neurosurgery*. 2006 Jul;59(1):193-200; discussion 193-200.
14. McGirt MJ, Pradilla G, **Legnani FG**, Thai QA, Recinos PF, Tamargo RJ, Clatterbuck RE. Systemic administration of simvastatin after the onset of experimental subarachnoid hemorrhage attenuates cerebral vasospasm. *Neurosurgery*. 2006 May;58(5):945-51; discussion 945-51.

15. **Legnani FG**, Pradilla G, Thai QA, Fiorindi A, Recinos PF, Tyler BM, Gaini SM, DiMeco F, Brem H, Olivi A. Lactacystin exhibits potent anti-tumor activity in an animal model of malignant glioma when administered via controlled-release polymers. *J Neurooncol.* 2006 May;77(3):225-32.
16. Brem S, Tyler B, Li K, Pradilla G, **Legnani F**, Caplan J, Brem H. Local delivery of temozolomide by biodegradable polymers is superior to oral administration in a rodent glioma model. *Cancer Chemother Pharmacol.* 2007 Jan 26;
17. Gessi M, **Legnani FG**, Maderna E, Casali C, Solero CL, Pollo B, DiMeco F. Mucinous low-grade adenocarcinoma arising in an intracranial enterogenous cyst: case report. *Neurosurgery.* 2008 Apr;62(4):972-3;
18. Recinos VR, Bekelis K, Ziegler SG, Vick D, Hertig S, Tyler BM, Li KW, Kosztowski T, **Legnani FG**, Brem H, Olivi A. Epirubicin exhibits potent anti-tumor activity in an animal model of malignant glioma when administered via controlled-release polymers. *J Neurooncol.* 2010 Mar;97(1):1-10. Epub 2009 Aug 20. PubMed PMID: 19693439.
19. Jansen T, Tyler B, Mankowski JL, Recinos VR, Pradilla G, **Legnani F**, Laterra J, Olivi A. FasL gene knock-down therapy enhances the antiglioma immune response. *Neuro Oncol.* 2010 May;12(5):482-9. Epub 2010 Jan 29. PubMed PMID: 20406899; PubMed Central PMCID: PMC2940616.
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21. Tyler BM, Hdeib A, Caplan J, **Legnani FG**, Fowers KD, Brem H, Jallo G, Pradilla G. Delayed onset of paresis in rats with experimental intramedullary spinal cord gliosarcoma following intratumoral administration of the paclitaxel delivery system OncoGel. *J Neurosurg Spine.* 2011 Oct 28. PubMed PMID: 22035102.
22. Mangraviti A, Casali C, Cordella R, **Legnani FG**, Mattei L, Prada F, Saladino A, Perin A, Dimeco F. Practical assessment of preoperative functional mapping techniques: navigated transcranial magnetic stimulation and functional magnetic resonance imaging. *Neurol Sci.* 2012 Dec 25. [Epub ahead of print] PubMed PMID: 23266868.
23. Gaviani P, Corsini E, Salmaggi A, Lamperti E, Botturi A, Erbetta A, Milanese I, **Legnani F**, Pollo B, Silvani A. Liposomal cytarabine in neoplastic meningitis from primary brain tumors: a single institutional experience. *Neurol Sci.* 2013 Mar 24. [Epub ahead of print] PubMed PMID: 23525755.

## **CAPITOLI DI LIBRO**

1. Mantha A, **Legnani FG**, and Gokaslan ZL. Occipitocervical Fixation (Synthes). In *Surgical Techniques in Spinal Instrumentation*, published by Thieme Medical Publishers.
2. Mantha A, **Legnani FG**, and Gokaslan ZL. Lumbosacral Fixation (Synthes). In *Surgical Techniques in Spinal Instrumentation*, published by Thieme Medical Publishers.

## **PEER-REVIEWED SCIENTIFIC ABSTRACTS**

1. Pappadà GB, Fiori L, Lucarini C, Marina R, Grimaldi M, **Legnani FG**, Crespi M, Parolin M, Gaini SM. Stenting in ICA atheromasic stenosis. December 4-7, 2001. 50° National Congress of Italian Society of Neurosurgery, Rome (Italy)
2. Landi A, Zincone A, Piolti R, Mariani C, Antonini A, Fiori L, Lanterna A, Crespi M, **Legnani FG**, Sganzerla EP, Pezzoli G, Frattola L, Gaini SM. Subthalamic deep brain stimulation for Parkinson disease: clinical results. December 4-7, 2001. 50° National Congress of Italian Society of Neurosurgery, Rome (Italy)
3. Landi A, Grimaldi M, Zincone A, Crespi M, **Legnani FG**, Taho A, Parolin M, De Grandi C, Sganzerla EP, Gaini SM. Human subthalamic anatomo-functional correlation. December 4-7, 2001. 50° National Congress of Italian Society of Neurosurgery, Rome (Italy)
4. Lucarini C, **Legnani FG**, Pioltelli P, Sganzerla EP, Pappadà GB, Gaini SM. Intracranial non-Hodgkins lymphoma and multiple meningiomas. September 18-21, 2002. 51° National Congress of Italian Society of Neurosurgery, Bolzano (Italy)
5. Grioni D, **Legnani FG**, Landi A, Fumagalli C, De Grandi C, Sganzerla EP, Gaini SM. Seizure follow-up in patients operated for cavernous haemangioma presenting with seizure. September 18-21, 2002. 51° National Congress of Italian Society of Neurosurgery, Bolzano (Italy)
6. Corsini E, Gelati M, Pollo B, Broggi G, **Legnani FG**, Bernardi G, Boiardi A, Salmaggi A. Effects of thalidomide and D-penicillamine on parameters involved in angiogenesis. October 29-31, 2001. Seventh National Congress of The Italian Association of Neuro-Oncology, Turin (Italy). Neuro-Oncology, Vol 3 Suppl. 1 October 2001

7. Landi A, **Legnani FG**, Grioni D, Lanterna A, Fumagalli C, Cardia A, De Grandi C, Sganzerla EP, Gaini SM. Cavernous haemangioma and epilepsy: surgical results and follow-up. *Epilepsia* 41:182, 2000
8. Sganzerla EP, Landi A, **Legnani FG**, Grioni D, Lanterna A, Fumagalli C, Cormio M, De Grandi C, Gaini SM. Cavernous angiomas and seizure: non invasive pre-surgical evaluation and surgical results, October 15-19, 2000. XLIX National Congress of Italian Society of Neurosurgery, Milan (Italy)
9. Pradilla G, Petrangolini G, **Legnani FG**, Tyler B, Francescato P, Chillemi F, Brem H, Olivi A, Di Meco F. Inhibition of angiogenesis in vitro and in vivo by local delivery of a novel endostatin fragment. Proceedings of the 94<sup>th</sup> Meeting of the *American Association for Cancer Research*, Volume 44, 2<sup>nd</sup> Edition, Abstract # 1652, pg 324, Washington, D.C., July 11-14, 2003
10. Pradilla G, Wang PP, Frazier JL, Carinci A, **Legnani FG**, Tamargo RJ. Pharmacokinetics of controlled release polymers in the subarachnoid space for the treatment of chronic vasospasm after subarachnoid hemorrhage. *8th International conference on cerebral vasospasm*, Chicago, IL, July 9-12, 2003
11. Pradilla G, Kretzer RM, Carinci A, Wang PP, Frazier JL, Ogata L, Gebremariam A, Dietsch GN, **Legnani FG**, Tamargo RJ. Treatment with an anti-CD11/CD18 monoclonal antibody prevents post-hemorrhagic vasospasm in a rabbit model of subarachnoid hemorrhage. *XII European Congress of Neurosurgery*, Lisbon, Portugal, September 7-12, 2003
12. Pradilla G, Clatterbuck RE, Tierney T, Wang PP, **Legnani FG**, Gailloud P, Murphy KP, Tamargo RJ. Prevention of subarachnoid hemorrhage induced vasospasm with local delivery of a nitric oxide donor via controlled release polymers: Efficacy and toxicity studies in primates. *XII European Congress of Neurosurgery*, Lisbon, Portugal, September 7-12, 2003
13. Pradilla G, Petrangolini G, **Legnani FG**, Tyler B, Francescato P, Chillemi F, Brem H, Olivi A, Di Meco F. Intracranial delivery of a novel endostatin fragment for treatment of 9l gliosarcoma in rats. *XII European Congress of Neurosurgery*, Lisbon, Portugal, September 7-12, 2003
14. Tamargo R J, Pradilla G, Wang PP, **Legnani FG**, Ogata L, Dietsch GN. Anti-CD11/CD18 monoclonal antibody prevents vasospasm after subarachnoid hemorrhage in rabbits. *American Academy of Neurological Surgery*, Williamsburg, VA, October 29-November 1, 2003
15. Pradilla G, **Legnani FG**, Hsu W, Goodwin C, Recinos P, Tyler B, Olivi A, Brem H. Lactacystin prolongs survival of animals in the 9L gliosarcoma model when locally delivered via controlled-release polymers. *Annual Meeting of the Southern Neurosurgical Society, Amelia Island, FL*, March 24-28, 2004

16. Thai QA, Pradilla G, **Legnani FG**, Kretzer RM, Hsu W, Tamargo RJ. Lysis of intraparenchymal hematoma with stereotactically implanted tPA polymers in a rabbit model. Meeting of the *Southern Neurosurgical Society, Amelia Island, FL*, March 24-28, 2004
17. **Legnani FG**, Pradilla G, Raza SM, Tyler BM, Zamora G, DiMeco F, Brem H, Olivi A. Sensitization of Mitoxantrone resistance in malignant gliomas cell lines by concomitant administration of Verapamil. Meeting of the *Southern Neurosurgical Society, Amelia Island, FL*, March 24-28, 2004
18. Thai QA, Pradilla G, **Legnani FG**, Hsu W, Recinos P, Kretzer RM, Wang PP, Tamargo RJ. Prevention of experimental post-hemorrhagic vasospasm with delayed intracranial delivery of nitric oxide-loaded polymers in a rabbit model. Meeting of the *Southern Neurosurgical Society, Amelia Island, FL*, March 24-28, 2004
19. **Legnani FG**, Pradilla G, Raza SM, Zamora G, Tyler B, Brem H, Di Meco F, Olivi A. Verapamil administration decreases resistance to mitoxantrone therapy in malignant gliomas and pro-metastatic tumor cell lines in vitro. Meeting of the *American Association of Neurological Surgeons*, Orlando, FL, May 1-6, 2004
20. Hsu W, Pradilla G, Goodwin C, **Legnani FG**, Tyler B, Raza SM, Vick J, Olivi A, Brem H. Local delivery of lactacystin via controlled release polymers prolongs survival in a 9L gliosarcoma model. Meeting of the *American Association of Neurological Surgeons*, Orlando, FL, May 1-6, 2004
21. Goodwin C, Pradilla G, Vargas D, Raza SM, **Legnani FG**, Tyler B, Brem H, Olivi A. Fas-ligand mediates cytotoxicity of peri-tumoral t-lymphocytes in the 9L gliosarcoma model. Meeting of the *American Association of Neurological Surgeons*, Orlando, FL, May 1-6, 2004
22. Hsu W, Pradilla G, Kretzer RM, Recinos P, Thai QA, **Legnani FG**, Tamargo RJ. Local delivery of thrombolytics by controlled-release polymers for the treatment of intracerebral hemorrhage. Meeting of the *American Association of Neurological Surgeons*, Orlando, FL, May 1-6, 2004
23. Pradilla G, Wang PP, **Legnani FG**, Frazier JL, Thai QA, Tamargo RJ. Local delivery of drugs to the subarachnoid space for treatment of vasospasm is not affected by presence of blood in the rabbit model of subarachnoid hemorrhage. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
24. Pradilla G, **Legnani FG**, Tyler BM, Gaini S, Chillemi F, Francescato P, Brem H, Olivi A, DiMeco F. Combined treatment of systemic BCNU and a locally delivered anti-angiogenic fragment of human endostatin prolong survival in rats



- challenged intracranially with 9L gliosarcoma. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
25. **Legnani FG**, Zamora G, Pradilla G, Hertig S, Tyler BM, Gaini S, DiMeco F, Brem H, Olivi A. The angiogenesis inhibitor minocycline significantly enhances the cytotoxicity of carboplatin on cell lines of malignant gliomas and CNS metastatic tumors. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  26. **Legnani FG**, Hertig S, Pradilla G, Zamora G, Tyler BM, Gaini S, DiMeco F, Brem H, Olivi A. Epirubicin inhibits growth in malignant glioma and CNS prometastatic tumor cell lines in vitro. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  27. **Legnani FG**, Pradilla G, Goodwin C, Vargas DL, Tyler BM, Gaini S, DiMeco F, Brem H, Olivi A. T-cell apoptosis surrounding malignant gliomas could be related to decreased anti-tumor immunity and might be caused by tumor-derived Fas ligand in the 9L gliosarcoma model. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  28. Pradilla G, Mavinkurve G, **Legnani FG**, Tyler BM, Brem H, Jallo GI. A novel intramedullary spinal cord tumor model in rabbits. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  29. Pradilla G, **Legnani FG**, Hsu W, Tyler BM, Gaini S, DiMeco F, Olivi A, Brem H. The proteasome inhibitor lactacystin prolongs survival in animals intracranially challenged with 9L gliosarcoma when delivered locally via controlled-release polymers. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  30. Brem S, Tyler BM, Pradilla G, **Legnani FG**, Brem H. Local delivery of temozolomide for treatment of 9L gliosarcoma in rats. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  31. Mantha A, **Legnani FG**, Pradilla G, Tyler BM, Brem H, Gokaslan Z. A novel model of intra-osseous spinal metastatic tumors in rats. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  32. Pradilla G, Thai QA, **Legnani FG**, Tamargo RJ. Frontozygomatic titanium cranioplasty prevents aesthetic defects of the frontozygomatic fossa after pterional craniotomy. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  33. Pradilla G, Thai QA, **Legnani FG**, Hsu W, Kretzer RM, Wang PP, Tamargo RJ. Delayed intracranial delivery of a nitric oxide donor from a controlled-release

- polymer prevents experimental cerebral vasospasm in rabbits. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
34. Pradilla G, Thai QA, **Legnani FG**, Clatterbuck RE, Gailloud P, Murphy KPJ, Tamargo RJ. Local delivery of ibuprofen via controlled-release polymers prevents angiographic vasospasm in a monkey model of subarachnoid hemorrhage. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  35. McGirt MJ, Pradilla G, Lynch JR, **Legnani FG**, Perez M, Tamargo RJ, Clatterbuck RE, Laskowitz DT. Simvastatin attenuates experimental cerebral vasospasm and ameliorates serum markers of neuronal and endothelial injury in patients after subarachnoid hemorrhage: A dose response effect dependent on endothelial nitric oxide synthase (eNOS). Galbraith Award of the joint AANS/CNS Cerebrovascular Section. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  36. Thai QA, Pradilla G, **Legnani FG**, Kretzer RM, Hsu W, Tamargo RJ. Lysis of intraparenchymal hematoma with stereotactically implanted tPA polymers in a rabbit model. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  37. Thai QA, Pradilla G, **Legnani FG**, Brem H, Tamargo RJ. Stereotactic implantation of controlled-release “string” polymers in a human head: technical report. 54<sup>th</sup> Meeting of the *Congress of Neurological Surgeons*, San Francisco, CA, October 16-21, 2004
  38. **Legnani FG**, Pradilla G, Thai QA, Vargas DL, Tyler BM, Zamora G, Gaini SM, DiMeco F, Brem H, Olivi A. Local delivery of verapamil decreases Multi-Drug Resistance in a novel mitoxantrone resistant tumor model in rats *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*
  39. Hertig S, **Legnani FG**, Pradilla G, Zamora G, Thai QA, Tyler BM, Gaini SM, DiMeco F, Brem H, Olivi A. Epirubicin has potent anti-glioma activity and shows sustained-release when incorporated into a biodegradable controlled-release polymer *in vitro*. *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*
  40. Pradilla G, Wang PP, **Legnani FG**, Frazier JL, Thai QA, Tamargo RJ. Local delivery of drugs to the subarachnoid space for treatment of vasospasm is not affected by presence of blood in the rabbit model of subarachnoid hemorrhage. *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*

41. Pradilla G, Thai QA, **Legnani FG**, Tamargo RJ. Frontozygomatic titanium cranioplasty prevents aesthetic defects of the fronto-zygomatic fossa after pterional craniotomy. *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*
42. Thai QA, Pradilla G, **Legnani FG**, Brem H, Tamargo RJ. Stereotactic implantation of controlled-release “string” polymers in a human head: Technical Report. *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*
43. Pradilla G, Thai QA, **Legnani FG**, Hsu W, Kretzer RM, Wang P, Tamargo RJ. Delayed intracranial delivery of a nitric oxide donor from a controlled-release polymer prevents experimental cerebral vasospasm in rabbits. *Abstracts of The Johns Hopkins Hospital Anesthesia and Critical Care Medicine 6th Annual Research Symposium. Baltimore, MD, November 30, 2004.*
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Milano, 3 Luglio 2013

Federico Giuseppe Legnani

**DICHIARAZIONE SOSTITUTIVA - AUTOCERTIFICAZIONE**

Esprimo il mio consenso al trattamento dei dati sopra riportati, ai sensi del D. Lgs. 196/2003. Il presente curriculum ha funzione di autocertificazione ai sensi del D.P.R. n. 445 del 28/12/2000