

Curriculum Vitae Europass



Personal information

First name(s) / Surname(s) **Stefano Geuna**
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Current position

Rector of the University of Turin
Full Professor of Anatomy (SSD BIO/16) at the Department of Clinical and Biological Sciences - University of Turin

Education and professional experiences

- 2010-presenti Research Leader of the Peripheral Nerve Regeneration Unit at the Cavalieri Ottolenghi Institute of Neuroscience.
- 2007-2016 Full-time employee of the University of Turin as Associate Professor of Anatomy at the Department of Clinical and Biological Sciences
- 2001-2007 Full-time employee of the University of Turin as Senior Researcher and Aggregate Professor of Anatomy at the Department of Clinical and Biological Sciences.
- 1998-2001 Full-time employee of the University of Turin as Junior Researcher at the Department of Clinical and Biological Sciences.
- 1994-1998 Engaged in research projects at the Department of Clinical and Biological Sciences (University of Turin)
- 1990-1994 Engaged in research projects at the Department of Human Anatomy and Physiology (University of Turin).
- 1994-1995 Specialization in Child Neurology and Psychiatry at the University of Turin
- 1990 Professional Licensure for Medical and Surgical Practice (2nd session of State Examination 1990)
- 1989-1990 Graduated in Medicine and Surgery at the University of Turin – vote 110/110 (year 1989/90).
- 1985-1990 Internship at the Department of Human Anatomy and Physiology (University of Turin).

Accademic and administrative duties

2018 – october 2019	Head of Department of Clinical and biological Sciences – University of Turin.
2018 – october 2019	President of the Scientific Committee of the Accademic Senate of Univerity of Turin
2016 – october 2019	Member Membro of the Accademic Senate of Univerity of Turin.
2017-2019	Scientific Director of the 2 nd level Master in "La scuola in ospedale: la realtà professionale e le strategie didattiche di cura".
2017-2019	Scientific Director of the 1 st level Master in "Autismi: percorsi diagnostici-terapeutici e strategie di intervento".
2016-2018	President of the degree course in "Tecnica della Riabilitazione Psichiatrica" Univerity of Turin.
2013-2019	President of the degree course in "Scienze Riabilitative delle Professioni Sanitarie" Univerity of Turin.
2009-2012	Delegate for the orientation and tutorship of the Faculty of Medicine of the University of Turin, Italy,
2002-2006	Member of the Scientific Commission of the Organizing Cimmittee of the XX Winter Olympic games, Turin, 2006
2001-2006	Representative of researchers in the Faculty of Medicine and Surgery Council – University of Turin

Teaching activities

20018-2019	Basis of Human Morphology 2 - Master degree in Medicine and Surgery, University of Turin.
2017-2019	Basis of Human Morphology 1 - Master degree in Medicine and Surgery, University of Turin.
2014-2019	Neuroscience - Master Degree in Rehabilitation Sciences of the Health Professions of the University of Turin.
2013-2018	Human Anatomy – Bachelor's degree course in Psychiatric Rehabilitation Technicians, University of Turin.
2011-2018	Human Anatomy - Master degree in Medicine and Surgery, University of Turin.
2010-2011	Human Anatomy – Bachelor's degree course in Motor Sciences, University of Turin
2008-2010	Human Anatomy - Master Degree in Rehabilitation Sciences of the University of Turin.
2005	Human Anatomy Bachelor's Degree in Scientific Drug Informer of the Faculty of Pharmacy of the University of Turin.
2003-2010	Human Anatomy - Master degree in Medicine and Surgery, University of Turin.
2002-2003	Clinical Anatomy - Master degree in Medicine and Surgery, University of Turin.
2002-2006	Human Anatomy (Teaching Assistant) - Degree course in Medicine and Surgery, Nursing School and Medical Radiology Techniques for Imaging and Radiotherapy, University of Turin
2001-2006	Human Anatomy - Bachelor Degree in Biomedical Laboratory Technician, University of Turin
2002-2005	Human Anatomy – Bachelor's degree course in Nursing, University of Turin

Scientific activity

Main grants received

- 2019 Recipient of a research grant from the Ministry of Health (Ricerca Finalizzata), title "Development of chitosan-based medical device for improving functional recovery after radical prostatectomy".
- 2019 Recipient of a research grant (ex-post di progetti di ricerca di Ateneo – Compagnia San Paolo).
- 2018 Recipient of a research grant from the University of Torino (ex-60% fund) - PI
- 2016-2017 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation nerve repair procedures - PI
- 2015 Recipient of a research grant from the University of Torino (ex-60% fund) - PI
- 2014 Recipient of a research grant from the University of Torino (ex-60% fund) titled "Esercizio fisico e malattie del sistema nervoso (NEUROLINK-II)", PI.
- 2013 Recipient of a research grant from the University of Torino (ex-60% fund) titled "Esercizio fisico e malattie del sistema nervoso (NEUROLINK-II)", PI.
- 2011 Recipient of a EU FP7 research grant (HEALTH.2011.1.4-2) for the investigation of Biohybrid templates for peripheral nerve regeneration
- 2011 Recipient of a Regione Piemonte research grant on peripheral nerve reconstruction medical devices.
- 2010 Recipient of a research grant from the Chinese University of Hong Kong (RGF # 214064) for the investigation of BRE expression manipulation to improve the function of human umbilical cord perivascular mesenchymal progenitor cells.
- 2009 Recipient of a research grant from the Ministero della Salute for the investigation of the effects plateletgel on muscle damage.
- 2009 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of the effects of ghrelin on neural repair.
- 2009 Recipient of a research grant from the Regione Piemonte (Ricerca Santaria Finalizzata) for the investigation of the gene therapy for prevention of denervation-related skeletal muscle atrophy.
- 2008 Recipient of a research grant from the Regione Piemonte (Ricerca Santaria Finalizzata) for the investigation of the treatment of spinal cord contusion injury with Rolipram.
- 2007 Recipient of a research grant from the Regione Piemonte (Ricerca Santaria Finalizzata) for the investigation adipose tissue-derived stem cells and their application in regenerative medicine.
- 2007 Recipient of a research grant from the Regione Piemonte (Ricerca Santaria Finalizzata) for the investigation age-related changes in peripheral nerve regeneration.
- 2007 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of end-to-side nerve regeneration.
- 2006 Recipient of a research grant from the MIUR (PRIN fund) for the investigation of the employment of stem cell transplantation and lentiviral technology for improving peripheral nerve regeneration along bioengineered scaffolds.
- 2006 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of the role of neuregulin-1 and ErbB receptors in peripheral nerve regeneration.
- 2005 Recipient of a research grant from the Regione Piemonte (CIPE fund) for the investigation nerve regeneration along bioengineered scaffolds.
- 2005 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of the effects of lasertherapy after nerve crush injury.

- 2005 Recipient of a research grant from the University of Torino (DSCB fund) for the investigation of laser biostimulation on peripheral nerve repair.
- 2004 Recipient of a research grant from the MURST (FIRB fund) for the investigation of nerve regeneration along non-nervous conduits.
- 2003 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of Schwann cell characterization along muscle-vein-combined grafts.
- 2002 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of Laser biostimulation on peripheral nerve repair.
- 2001 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of neural stem cells in the peripheral nervous system.
- 2000 Recipient of a research grant from the University of Torino (ex-60% fund) for the investigation of a mutant mice model of infantile neuroaxonal dystrophy
- 1999 Recipient of a research grant from the MURST ("Progetto Giovani Ricercatori" fund) for the investigation of cold-related changes in nerve cells.

Conference activity

Member of the scientific and organizing committee of the 4st International Symposium on Peripheral Nerve Regeneration, Barcellona 2017.
 Member of the scientific and organizing committee of the 3rd International Symposium on Peripheral Nerve Regeneration, Hannover 2015.
 Member of the scientific and organizing committee of the 2nd International Symposium on Peripheral Nerve Regeneration, Torino 2014.
 Member of the scientific and organizing committee of the 1st International Symposium on Peripheral Nerve Regeneration, Torino 2010.
 Member of the organizing committee and chairman of the Technical Workshop titled "Peripheral nerve regeneration" - Forum 2010 of the European Neurosciences Societies, Amsterdam
 Chairman of the symposium: "Anatomia chirurgica finalizzata alla ricostruzione microchirurgica" at the XXI Congress of the Italian Society of Microsurgery, Turin, 2005.
 Member of the organizing committee and chairman of the Symposium titled "Neurogenesis in the peripheral nervous system" - Forum 2004 of the European Neurosciences Societies, Lisbona.

Author or co-author of more than 300 conference communications (including invited talk, oral communications and posters).

Patent

- 2016 Patent title: "Utilizzo di membrane di chitosano per la protezione del plesso nervoso peri-prostatico ed il miglioramento del recupero funzionale in seguito a prostatectomia radicale per carcinoma prostatico."
- 2015 Patent title: "Produzione di neuregulina 1 conigata al ferro per promuovere la rigenerazione nervosa".

List of Publications on international journals

1. Fornaro M, Giovannelli A, Foggetti A, Muratori L, Geuna S, Novajra G, Perroteau I. Role of neurotrophic factors in enhancing linear axonal growth of ganglionic sensory neurons in vitro. *Neural Regen Res.* 2020 Sep;15(9):1732-1739. doi: 10.4103/1673-5374.276338. PubMed PMID: 32209780.
2. Ronchi G, Gambarotta G, Morano M, Fregnan F, Pugliese P, Tos P, Geuna S, Haastert-Talini K. Critical analysis of the value of the rabbit median nerve model for biomedical research on peripheral nerve grafts. *J Tissue Eng Regen Med.* 2020 Mar 23. doi: 10.1002/term.3036. [Epub ahead of print] PubMed PMID: 32203643.
3. Pinho AC, Vieira Branquinho M, Alvites RD, Fonseca AC, Caseiro AR, Santos Pedrosa S, Luís AL, Pires I, Prada J, Muratori L, Ronchi G, Geuna S, Santos JD, Mauricio AC, Serra AC, Coelho JFJ. Dextran-based tube-guides for the regeneration of the rat sciatic nerve after neurotmesis injury. *Biomater Sci.* 2020 Feb 7;8(3):798-811. doi: 10.1039/c9bm00901a. Epub 2020 Jan 6. PubMed PMID: 31904045.
4. Alessandrino A, Fregnan F, Biagiotti M, Muratori L, Bassani GA, Ronchi G, Vincoli V, Pierimarchi P, Geuna S, Freddi G. SilkBridge™: a novel biomimetic and biocompatible silk-based nerve conduit. *Biomater Sci.* 2019 Oct 1;7(10):4112-4130. doi: 10.1039/c9bm00783k. Epub 2019 Jul 30. PubMed PMID: 31359013.
5. Colonna MR, Fazio A, Costa AL, Galletti F, Lo Giudice R, Galletti B, Galletti C, Lo Giudice G, Dell'Aversana Orabona G, Papalia I, Ronchi G, Geuna S. The Use of a Hypoallergenic Dermal Matrix for Wrapping in Peripheral Nerve Lesions Regeneration: Functional and Quantitative Morphological Analysis in an Experimental Animal Model. *Biomed Res Int.* 2019 Jun 17;2019:4750624. doi: 10.1155/2019/4750624. eCollection 2019. PubMed PMID: 31317030; PubMed Central PMCID: PMC6601684.
6. Jaminet P, Schäufele M, Mager A, Fornaro M, Ronchi G, Geuna S, Schaller HE, Rosenberger P, Köhler D. Expression patterns and functional evaluation of RGMa during the early phase of peripheral nerve regeneration using the mouse median nerve model. *Restor Neurol Neurosci.* 2019;37(3):265-272. doi: 10.3233/RNN-190913. PubMed PMID: 31177252.
7. Muratori L, Fregnan F, Ronchi G, Haastert-Talini K, Metzen J, Bertolo R, Porphiglia F, Geuna S. New basic insights on the potential of a chitosan-based medical device for improving functional recovery after radical prostatectomy. *BJU Int.* 2019 Dec;124(6):1063-1076. doi: 10.1111/bju.14834. Epub 2019 Jun 27. PubMed PMID: 31134718.
8. Ronchi G, Morano M, Fregnan F, Pugliese P, Crosio A, Tos P, Geuna S, Haastert-Talini K, Gambarotta G. The Median Nerve Injury Model in Pre-clinical Research - A Critical Review on Benefits and Limitations. *Front Cell Neurosci.* 2019 Jun 28;13:288. doi: 10.3389/fncel.2019.00288. eCollection 2019. Review. PubMed PMID: 31316355; PubMed Central PMCID: PMC6609919.
9. Crosio A, Fornasari BE, Gambarotta G, Geuna S, Raimondo S, Battiston B, Tos P, Ronchi G. Chitosan tubes enriched with fresh skeletal muscle fibers for delayed repair of peripheral nerve defects. *Neural Regen Res.* 2019 Jun;14(6):1079-1084. doi: 10.4103/1673-5374.250628.
10. Diogo CC, da Costa LM, Pereira JE, Filipe V, Couto PA, Geuna S, Armada-da-Silva PA, Mauricio AC, Varejão ASP. Kinematic and kinetic gait analysis to evaluate functional recovery in thoracic spinal cord injured rats. *Neurosci Biobehav Rev.* 2019 Jan 3;98:18-28. doi: 10.1016/j.neubiorev.2018.12.027.
11. Colonna MR, Pino D, Battiston B, d'Alcontres FS, Natsis K, Bassetto F, Papadopulos NA, Tiengo C, Geuna S. Distal nerve transfer from the median nerve lumbrical fibers to the distal ulnar nerve motor branches in the palm: An anatomical cadaveric study. *Microsurgery.* 2018 Dec 17. doi: 10.1002/micr.30402. [Epub ahead of print] PubMed PMID: 30556926.
12. Lovati AB, D'Arrigo D, Odella S, Tos P, Geuna S, Raimondo S. Nerve Repair Using Decellularized Nerve Grafts in Rat Models. A Review of the Literature. *Front Cell Neurosci.* 2018 Nov 19;12:427. doi: 10.3389/fncel.2018.00427. eCollection 2018. Review. PubMed PMID: 30510503; PubMed Central PMCID: PMC6254089.
13. Mancini C, Hoxha E, Iommarini L, Brussino A, Richter U, Montarolo F, Cagnoli C, Parolisi R, Gondor Morosini DI, Nicolò V, Maltecca F, Muratori L, Ronchi G, Geuna S, Arnaboldi F, Donetti E, Giorgio E, Cavalieri S, Di Gregorio E, Pozzi E, Ferrero M, Riberi E, Casari G, Altruda F, Turco E, Gasparre G, Battersby BJ, Porcelli AM, Ferrero E, Brusco A, Tempia F. Mice harbouring a SCA28 patient mutation in AFG3L2 develop late-onset ataxia associated with enhanced mitochondrial proteotoxicity. *Neurobiol Dis.* 2018 Oct 30;124:14-28. doi:10.1016/j.nbd.2018.10.018. [Epub ahead of print] PubMed PMID: 30389403.
14. Navarro X, Geuna S, Grothe C, Haastert-Talini K. Introduction: Thematic Papers Issue on Peripheral Nerve Regeneration and Repair. *Anat Rec (Hoboken).* 2018 Oct;301(10):1614-1617. doi: 10.1002/ar.23941. Epub 2018 Oct 17. PubMed PMID:30299596.
15. Costa D, Diogo CC, Costa LMD, Pereira JE, Filipe V, Couto PA, Geuna S, Armada-Da-Silva PA, Mauricio AC, Varejão ASP. Kinematic patterns for hindlimb obstacle avoidance during sheep locomotion. *Neurol Res.* 2018 Aug 14:1-9. doi:10.1080/01616412.2018.1505068. [Epub ahead of print] PubMed PMID: 30106355.
16. Russo I, Femminò S, Barale C, Tullio F, Geuna S, Cavalot F, Pagliaro P, Penna C. Cardioprotective Properties of Human Platelets Are Lost in Uncontrolled Diabetes Mellitus: A Study in Isolated Rat Hearts. *Front Physiol.* 2018 Jul 10;9:875. doi: 10.3389/fphys.2018.00875. eCollection 2018. PubMed PMID: 30042694; PubMed Central PMCID: PMC6048273.
17. Geuna S, Muratori L, Fregnan F, Manfredi M, Bertolo R, Porphiglia F. Strategies to improve nerve regeneration after radical prostatectomy: a narrative review. *Minerva Urol Nefrol.* 2018 Jul 23. doi: 10.23736/S0393-2249.18.03157-0. [Epub ahead of print] PubMed PMID: 30037210.
18. Marchesini A, Raimondo S, Zingaretti N, Riccio V, Battiston B, Provinciali M, Geuna S, Riccio M. The amnion muscle combined graft (AMCG) conduits in nerves repair: an anatomical and experimental study on a rat model. *J Mater Sci Mater Med.* 2018 Jul 21;29(8):120. doi: 10.1007/s10856-018-6126-5. PubMed PMID: 30032327.
19. Ronchi G, Fornasari BE, Crosio A, Budau CA, Tos P, Perroteau I, Battiston B, Geuna S, Raimondo S, Gambarotta G. Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. *Biomed Res Int.* 2018 Jun 13;2018:9175248. doi: 10.1155/2018/9175248. eCollection 2018. PubMed PMID: 30009176; PubMed Central PMCID: PMC6020668.

20. El Soury M, Fornasari BE, Morano M, Grazio E, Ronchi G, Incarnato D, Giacobini M, Geuna S, Provero P, Gambarotta G. Soluble Neuregulin1 Down-Regulates Myelination Genes in Schwann Cells. *Front Mol Neurosci*. 2018 May 14;11:157. doi: 10.3389/fnmol.2018.00157. eCollection 2018. PubMed PMID: 29867349; PubMed Central PMCID: PMC5960709.
21. Carriel V, Geuna S, Alaminos M. Ex Vivo and In Vivo Stem Cells-Based Tissue Engineering Strategies for Their Use in Regenerative Medicine. *Stem Cells Int*. 2018 Apr 15;2018:7143930. doi: 10.1155/2018/7143930. eCollection 2018. PubMed PMID: 29760733; PubMed Central PMCID: PMC5924978.
22. Muratori L, Gnavi S, Fregnan F, Mancardi A, Raimondo S, Perroteau I, Geuna S. Evaluation of Vascular Endothelial Growth Factor (VEGF) and Its Family Member Expression After Peripheral Nerve Regeneration and Denervation. *Anat Rec (Hoboken)*. 2018 Apr 30. doi: 10.1002/ar.23842. [Epub ahead of print] PubMed PMID: 29710417.
23. Gnavi S, Morano M, Fornasari BE, Riccobono C, Tonda-Turo C, Zanetti M, Ciardelli G, Gambarotta G, Perroteau I, Geuna S, Raimondo S. Combined Influence of Gelatin Fibre Topography and Growth Factors on Cultured Dorsal Root Ganglia Neurons. *Anat Rec (Hoboken)*. 2018 Apr 30. doi: 10.1002/ar.23846. [Epub ahead of print] PubMed PMID: 29710414.
24. Morano M, Ronchi G, Nicolò V, Fornasari BE, Crosio A, Perroteau I, Geuna S, Gambarotta G, Raimondo S. Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. *Sci Rep*. 2018 Mar 22;8(1):5047. doi: 10.1038/s41598-018-23454-8. PubMed PMID: 29568012; PubMed Central PMCID: PMC5864756.
25. Fornasari BE, Ronchi G, Pascal D, Visigalli D, Capodivento G, Nobbio L, Perroteau I, Schenone A, Geuna S, Gambarotta G. Soluble Neuregulin1 is strongly up-regulated in the rat model of Charcot-Marie-Tooth 1A disease. *Exp Biol Med (Maywood)*. 2018 Feb;243(4):370-374. doi: 10.1177/1535370218754492. Epub 2018 Jan 19. PubMed PMID: 29350067.
26. Diogo CC, Costa LMD, Pereira JE, Filipe V, Couto PA, Magalhães LG, Geuna S, Armada-da-Silva PA, Maurício AC, Varejão AS. Dynamic feet distance: A new functional assessment during treadmill locomotion in normal and thoracic spinal cord injured rats. *Behav Brain Res*. 2017 Sep 29;335:132-135. doi: 10.1016/j.bbr.2017.08.016. Epub 2017 Aug 10. PubMed PMID: 28803852.
27. Stenberg L, Stößel M, Ronchi G, Geuna S, Yin Y, Mommert S, Mårtensson L, Metzen J, Grothe C, Dahlin LB, Haastert-Talini K. Regeneration of long-distance peripheral nerve defects after delayed reconstruction in healthy and diabetic rats is supported by immunomodulatory chitosan nerve guides. *BMC Neurosci*. 2017 Jul 18;18(1):53. doi: 10.1186/s12868-017-0374-z. PubMed PMID: 28720074; PubMed Central PMCID: PMC5516317.
28. Porpiglia F, Bertolo R, Fiori C, Manfredi M, De Cillis S, Geuna S. Chitosan membranes applied on the prostatic neurovascular bundles after nerve-sparing robot-assisted radical prostatectomy: a phase II study. *BJU Int*. 2018 Mar;121(3):472-478. doi: 10.1111/bju.13959. Epub 2017 Aug 9. PubMed PMID: 28710845.
29. Diogo CC, Camassa JA, Pereira JE, Costa LMD, Filipe V, Couto PA, Geuna S, Maurício AC, Varejão AS. The use of sheep as a model for studying peripheral nerve regeneration following nerve injury: review of the literature. *Neurol Res*. 2017 Oct;39(10):926-939. doi: 10.1080/01616412.2017.1331873. Epub 2017 Jun 11. PubMed PMID: 28604272.
30. Onger ME, Kaplan S, Geuna S, Türkmen AP, Muratori L, Altun G, Altunkaynak BZ. Possible effects of some agents on the injured nerve in obese rats: A stereological and electron microscopic study. *J Craniomaxillofac Surg*. 2017 Aug;45(8):1258-1267. doi: 10.1016/j.jcms.2017.05.004. Epub 2017 May 11. PubMed PMID: 28601299.
31. Geuna S, Papalia I, Ronchi G, d'Alcontres FS, Natsis K, Papadopulos NA, Colonna MR. The reasons for end-to-side coaptation: how does lateral axon sprouting work? *Neural Regen Res*. 2017 Apr;12(4):529-533. doi: 10.4103/1673-5374.205081. Review. PubMed PMID: 28553322; PubMed Central PMCID: PMC5436340.
32. Cherubino M, Pellegatta I, Crosio A, Valdatta L, Geuna S, Gornati R, Tos P. Use of human fat grafting in the prevention of perineural adherence: Experimental study in athymic mouse. *PLoS One*. 2017 Apr 26;12(4):e0176393. doi: 10.1371/journal.pone.0176393. eCollection 2017. PubMed PMID: 28445518; PubMed Central PMCID: PMC5406022.
33. Reano S, Angelino E, Ferrara M, Malacarne V, Sustova H, Sabry O, Agosti E, Clerici S, Ruozi G, Zentilin L, Prodam F, Geuna S, Giacca M, Graziani A, Filigheddu N. Unacylated Ghrelin Enhances Satellite Cell Function and Relieves the Dystrophic Phenotype in Duchenne Muscular Dystrophy mdx Model. *Stem Cells*. 2017 Jul;35(7):1733-1746. doi: 10.1002/stem.2632. Epub 2017 May 7. PubMed PMID: 28436144.
34. Luganini A, Cavaletto N, Raimondo S, Geuna S, Gribaudo G. Loss of the Human Cytomegalovirus US16 Protein Abrogates Virus Entry into Endothelial and Epithelial Cells by Reducing the Virion Content of the Pentamer. *J Virol*. 2017 May 12;91(11). pii: e00205-17. doi: 10.1128/JVI.00205-17. Print 2017 Jun 1. PubMed PMID: 28331097; PubMed Central PMCID: PMC5432857.
35. Mazzara PG, Massimino L, Pellegatta M, Ronchi G, Ricca A, Iannielli A, Giannelli SG, Corsi M, Cancellieri C, Sessa A, Del Carro U, Quattrini A, Geuna S, Gritti A, Taveggia C, Broccoli V. Two factor-based reprogramming of rodent and human fibroblasts into Schwann cells. *Nat Commun*. 2017 Feb 7;8:14088. doi:10.1038/ncomms14088. PubMed PMID: 28169300; PubMed Central PMCID: PMC5309703.
36. Onger ME, Kaplan S, Deniz ÖG, Altun G, Altunkaynak BZ, Balcı K, Raimondo S, Geuna S. Possible promoting effects of melatonin, leptin and alcar on regeneration of the sciatic nerve. *J Chem Neuroanat*. 2017 Apr;81:34-41. doi: 10.1016/j.jchemneu.2017.02.003. Epub 2017 Feb 3. PubMed PMID: 28163216.
37. Morano M, Angotti C, Tullio F, Gambarotta G, Penna C, Pagliaro P, Geuna S. Myocardial ischemia/reperfusion upregulates the transcription of the Neuregulin1 receptor ErbB3, but only postconditioning preserves protein translation: Role in oxidative stress. *Int J Cardiol*. 2017 Apr 15;233:73-79. doi:10.1016/j.ijcard.2017.01.122. Epub 2017 Jan 31. PubMed PMID: 28162790.
38. Carriel V, Campos A, Alaminos M, Raimondo S, Geuna S. Staining Methods for Normal and Regenerative Myelin in the Nervous System. *Methods Mol Biol*. 2017;1560:207-218. doi: 10.1007/978-1-4939-6788-9_15. PubMed PMID: 28155156.
39. Ribeiro J, Caseiro AR, Pereira T, Armada-da-Silva PA, Pires I, Prada J, Amorim I, Leal Reis I, Amado S, Santos JD, Bompasso S, Raimondo S, Varejão AS, Geuna S, Luís AL, Maurício AC. Evaluation of PVA biodegradable electric conductive membranes for nerve regeneration in axonotmesis injuries: the rat sciatic nerve animal model. *J Biomed Mater Res A*. 2017 May;105(5):1267-1280. doi:10.1002/jbm.a.35998. Epub 2017 Feb 13. PubMed PMID: 28078802.
40. Ronchi G, Cillino M, Gambarotta G, Fornasari BE, Raimondo S, Pugliese P, Tos P, Cordova A, Moschella F, Geuna S. Irreversible changes occurring in long-term denervated Schwann cells affect delayed nerve repair. *J Neurosurg*. 2017 Oct;127(4):843-856. doi: 10.3171/2016.9.JNS16140. Epub 2017 Jan 6. PubMed PMID:28059646.

41. Fornasari BE, El Soury M, De Marchis S, Perroteau I, Geuna S, Gambarotta G. Neuregulin1 alpha activates migration of neuronal progenitors expressing ErbB4. *Mol Cell Neurosci*. 2016 Dec;77:87-94. doi: 10.1016/j.mcn.2016.10.008. Epub 2016 Oct 27. PubMed PMID: 27989735.
42. Gnavi S, Fornasari BE, Tonda-Turo C, Laurano R, Zanetti M, Ciardelli G, Geuna S. In vitro evaluation of gelatin and chitosan electrospun fibres as an artificial guide in peripheral nerve repair: a comparative study. *J Tissue Eng Regen Med*. 2018 Feb;12(2):e679-e694. doi: 10.1002/term.2351. Epub 2017 Jun 18. PubMed PMID: 27860458.
43. Fregnan F, Ciglieri E, Tos P, Crosio A, Ciardelli G, Ruini F, Tonda-Turo C, Geuna S, Raimondo S. Chitosan crosslinked flat scaffolds for peripheral nerve regeneration. *Biomed Mater*. 2016 Aug 10;11(4):045010. doi:10.1088/1748-6041/11/4/045010. PubMed PMID: 27508969.
44. Papalia I, Magaudo L, Righi M, Ronchi G, Viano N, Geuna S, Colonna MR. Epineurial Window Is More Efficient in Attracting Axons than Simple Coaptation in a Sutureless (Cyanoacrylate-Bound) Model of End-to-Side Nerve Repair in the Rat Upper Limb: Functional and Morphometric Evidences and Review of the Literature. *PLoS One*. 2016 Feb 12;11(2):e0148443. doi: 10.1371/journal.pone.0148443. eCollection 2016. PubMed PMID: 26872263; PubMed Central PMCID: PMC4752340.
45. Moimas S, Manasseri B, Cuccia G, Stagno d'Alcontres F, Geuna S, Pattarini L, Zentilin L, Giacca M, Colonna MR. AAV vector encoding human VEGF165-transduced pectineus muscular flaps increase the formation of new tissue through induction of angiogenesis in an in vivo chamber for tissue engineering: A technique to enhance tissue and vessels in microsurgically engineered tissue. *J Tissue Eng*. 2015 Dec 7;6:2041731415611717. doi: 10.1177/2041731415611717. eCollection 2015 Jan-Dec. PubMed PMID: 26848383; PubMed Central PMCID: PMC4734212.
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