

CURRICULUM VITAE

INFORMAZIONI
PERSONALI

Nome e Cognome	Luca Filippi
Data di nascita	4 dicembre 1963
Qualifica	Dirigente Medico
Amministrazione	Università di Pisa
Incarico attuale	Direttore UOC Neonatologia
Numero telefonico dell'ufficio	050 993452
Fax dell'ufficio	
E-mail istituzionale	luca.filippi@ao-pisa.toscana.it luca.filippi@unipi.it

TITOLI DI STUDIO E
PROFESSIONALI ED
ESPERIENZE
LAVORATIVE

Titolo di studio	Laurea in Medicina e Chirurgia								
Altri titoli di studio e professionali	Specializzazione in Pediatria con indirizzo Pediatria Generale Specializzazione in Pediatria con indirizzo Neonatologia Specializzazione in Anestesia e Rianimazione PhD conseguito presso la Faculty of Health, Medicine and Life Sciences of Maastricht University								
Esperienze professionali (incarichi ricoperti)	Dal 01/06/1998 al 15/05/2000 : Medico Neonatologo a tempo indeterminato presso Azienda Ospedaliero Universitaria Senese di Siena Dal 15/05/2000 al 06/09/2006 : Medico Neonatologo a tempo indeterminato presso Azienda Ospedaliero Universitaria Careggi di Firenze Dal 06/09/2006 al 31/10/2020 Medico Neonatologo a tempo indeterminato presso Azienda Ospedaliero-Universitaria "Anna Meyer" di Firenze Dal 01/11/2020 ad oggi : Professore Associato di Pediatria presso l'Università degli studi di Pisa e Direttore UO Neonatologia dell'Azienda Ospedaliero-Universitaria Pisana								
Capacità linguistiche	<table border="1"> <thead> <tr> <th>Lingua</th> <th>Livello Parlato</th> <th>Livello Scritto</th> </tr> </thead> <tbody> <tr> <td>Inglese</td> <td>buono</td> <td>buono</td> </tr> </tbody> </table>	Lingua	Livello Parlato	Livello Scritto	Inglese	buono	buono		
Lingua	Livello Parlato	Livello Scritto							
Inglese	buono	buono							
Capacità nell'uso delle Tecnologie	Buono								
Altro (partecipazione a convegni e seminari, pubblicazioni,	E' autore delle seguenti pubblicazioni: 1. Filippi L, Zammarchi E, Donati MA, Pasquini E. Il cateterismo pancreatico transepatico percutaneo nella diagnosi di iperinsulinismo in un paziente. Riv Ital Pediatr. 1994;20:59-62. 2. Zammarchi E, Donati MA, Filippi L, Morrone A, Repetto T, Mascolo G, Comellini L.								

**collaborazione a riviste,
ecc., ed ogni altra
informazione utile alla
pubblicazione)**

- Ipertransaminasemia e difetto di Ornitina transcarbamilasi. Riv Ital Pediatr. 1995;21:82-87.
3. Baccetti T, Pierleoni L, Filippi L, Donati MA, Tollaro I, Zammarchi E. Dental and craniofacial findings in a child affected by glycogen storage disease type III. J Clin Pediatr Dent. 1994 Fall;19(1):55-60.
 4. de Martino M, Zammarchi E, Filippi L, Donati MA, Mannelli F, Galli L, Vierucci A. Redox potential status in children with perinatal HIV-1 infection treated with zidovudine. AIDS. 1995 Dec;9(12):1381-3.
 5. Filippi L, Donati MA, Novembre E, Zammarchi E. Lo studio dello stato di ossidoriduzione cellulare nella diagnosi delle malattie mitocondriali. Riv Ital Pediatr 1996;22:88-92.
 6. Zammarchi E, Donati MA, Filippi L, Resti M. Cryptogenic hepatitis masking the diagnosis of ornithine transcarbamilase deficiency. J Pediatr Gastroenterol Nutr. 1996 May;22(4):380-3.
 7. Zammarchi E, Filippi L, Fonda C, Benedetti PA, Pistone D, Donati MA. Different neurologic outcomes in two patients with neonatal hyperinsulinemic hypoglycemia. Childs Nerv Syst. 1996 Jul;12(7):413-6.
 8. Zammarchi E, Filippi L, Novembre E, Donati MA. Biochemical evaluation of a patient with a familial form of Leucine-Sensitive hypoglycemia and concomitant hyperammonemia. Metabolism. 1996 Aug;45(8):957-60.
 9. Filippi L, Tondi M, Frediani S, Consumi I, Duvina PL. Strategia terapeutica in un caso di idrope neonatale non immune. Riv Ost Ginecol 1998;4:171-172
 10. Filippi L, DeFilippo M, Carlini M, DeFelice C., Bagnoli F. Efficacia del Naloxone in un neonato con shock settico da *Listeria Monocytogenes*. Riv Ital Pediatr. 2000;26:193-197.
 11. Vichi GF, Currarino G, Wasserman RL, Duvina PL, Filippi L. Cephaloskeletal dysplasia (Taybi-Linder syndrome; osteodysplastic primordial dwarfism type III): report of two cases and review of the literature. Pediatr Radiol. 2000 Sep;30(9):644-52.
 12. Filippi L. Monitoring of central venous pressure in the Neonatal Intensive Care Unit. Neonatal Intensive Care 2001;14:13-15
 13. Filippi L, Tronchin M, Pezzati M, Chiti G, Dani C, Vichi GF, Rubaltelli FF. Shwachman's syndrome in a preterm newborn associated with transient diabetes mellitus. J Pediatr Gastroenterol Nutr. 2002 Feb;34(2):219-23.
 14. Filippi L, Bagnoli F, Margollicci M, Zammarchi E, Tronchin M, Rubaltelli FF. Pathogenic mechanism, prophylaxis and therapy of symptomatic acidosis induced by acetazolamide. J Investig Med. 2002 Mar;50(2):125-32.
 15. Pezzati M, Dani C, Biadaoli R, Filippi L, Biagiotti R, Giani T, Rubaltelli FF. Early postnatal Doppler assessment of cerebral blood flow velocity in healthy preterm and term infants. Dev Med Child Neurol. 2002 Nov;44(11):745-52.
 16. Dani C, Martelli E, Bertini G, Filippi L, Pezzati M, Mazzetti L, Ciuffi M, Zilletti L, Rubaltelli FF. Pharmacokinetics of oxatomide in preterm infants. Drugs Exp Clin Res. 2002;28(5):207-10.
 17. Dani C, Martelli E, Bertini G, Pezzati M, Filippi L, Rossetti M, Rizzuti G, Rubaltelli FF. Plasma bilirubin level and oxidative stress in preterm infants. Arch Dis Child Fetal Neonatal Ed. 2003 Mar;88(2):F119-23.
 18. Pezzati M, Rossi S, Tronchin M, Dani C, Filippi L, Rubaltelli FF. Umbilical cord care in premature infants: the effect of two different cord-care regimens (salicylic sugar powder vs. chlorhexidine) on cord separation time and other outcomes. Pediatrics. 2003 Oct;112(4):e275.
 19. Filippi L, Cecchi A, Tronchin M, Dani C, Pezzati M, Seminara S, Gasperini S, Zammarchi E, Rubaltelli FF. Dopamine infusion and hypothyroxinaemia in very low birth weight preterm infants. Eur J Pediatr. 2004 Jan;163(1):7-13.
 20. Filippi L, Messeri A, Dani C, Pezzati M, Tronchin M, Giani T, Bossoli S, Rubaltelli FF. Redox status in very-low birth-weight newborns. Biol Neonate. 2004;85(3):210-6.
 21. Dani C, Bertini G, Martelli E, Pezzati M, Filippi L, Prussi C, Tronchin M, Rubaltelli FF. Effects of phototherapy on cerebral haemodynamics in preterm infants: is fibre-optic different from conventional phototherapy? Dev Med Child Neurol. 2004 Feb;46(2):114-8.
 22. Filippi L, Serafini L, Dani C, Bertini G, Pezzati M, Tronchin M, Rubaltelli FF. Congenital syphilis: unique clinical presentation in three preterm newborns. J Perinat Med. 2004;32(1):90-4.
 23. Filippi L, Cecchi A, Dani C, Bertini G, Pezzati M, Rubaltelli FF. Hypernatraemia induced by sodium polystyrene sulphonate (Kayexalate) in two extremely low birth weight newborns. Paediatr Anaesth. 2004 Mar;14(3):271-5.
 24. Pezzati M, Dani C, Tronchin M, Filippi L, Rossi S, Rubaltelli FF. Prediction of early tolerance to enteral feeding by measurement of superior mesenteric artery blood flow velocity: appropriate- versus small-for-gestational-age preterm infants. Acta Paediatr.

- 2004 Jun;93(6):797-802.
25. Filippi L, Palermo L, Pezzati M, Dani C, Matteini M, De Cristofaro MT, Rubaltelli FF. Paradoxical embolism in a preterm infant. *Dev Med Child Neurol.* 2004 Oct;46(10):713-6.
 26. Pezzati M, Filippi L, Chiti G, Dani C, Rossi S, Bertini G, Rubaltelli FF. Central venous catheters and cardiac tamponade in preterm infants. *Intensive Care Med.* 2004 Dec;30(12):2253-6.
 27. Pezzati M, Giovannucci ML, Filippi L, Dani C, Rubaltelli FF. Pericentric inversion of chromosome 2 and echogenic vasculature in the basal ganglia: A new finding? *J Clin Ultrasound.* 2005 Mar-Apr;33(3):146-8.
 28. Bertini G, Perugi S, Dani C, Filippi L, Pratesi S, Rubaltelli FF. Fluconazole prophylaxis prevents invasive fungal infection in high-risk, very low birth weight infants. *J Pediatr.* 2005 Aug;147(2):162-5.
 29. Dani C, Bertini G, Pezzati M, Pratesi S, Filippi L, Tronchin M, Rubaltelli FF. Brain hemodynamic effects of doxapram in preterm infants. *Biol Neonate.* 2006;89(2):69-74.
 30. Filippi L, Poggi C, Pezzati M, Dani C, Favilli S. Pulmonary hypertension of the neonate resistant to inhaled nitric oxide. *J Pediatr.* 2005 Dec;147(6):867.
 31. Dani C, Bertini G, Pezzati M, Filippi L, Pratesi S, Caviglioli C, Rubaltelli FF. Effects of pressure support ventilation plus volume guarantee vs. high-frequency oscillatory ventilation on lung inflammation in preterm infants. *Pediatr Pulmonol.* 2006 Mar;41(3):242-9.
 32. Filippi L, Pezzati M, Poggi C. Use of polyvinyl feeding tubes and iatrogenic pharyngo-oesophageal perforation in very-low-birthweight infants. *Acta Paediatr.* 2005 Dec;94(12):1825-8.
 33. Filippi L, Pezzati M, Cecchi A, Serafini L, Poggi C, Dani C, Tronchin M, Seminara S. Dopamine infusion and anterior pituitary gland function in very low birth weight infants. *Biol Neonate.* 2006;89(4):274-80.
 34. Filippi L, Pezzati M, Cecchi A, Poggi C. Dopamine infusion: A possible cause of undiagnosed congenital hypothyroidism in preterm infants. *Pediatr Crit Care Med.* 2006 May;7(3):249-51.
 35. Dani C, Bertini G, Pezzati M, Filippi L, Cecchi A, Rubaltelli FF. Inhaled nitric oxide in very preterm infants with severe respiratory distress syndrome. *Acta Paediatr.* 2006 Sep;95(9):1116-23.
 36. Filippi L, Pezzati M, Poggi C, Rossi S, Cecchi A, Santoro C. Dopamine versus dobutamine in very low birthweight infants: endocrine effects. *Arch Dis Child Fetal Neonatal Ed.* 2007 Sep;92(5):F367-71.
 37. Filippi L, Poggi C, Pezzati M. Dopamine administration in very low birth weight preterm infants: emerging issues on endocrine effects. *Current Pediatric Reviews* 2007;3:141-166
 38. Filippi L, Vangi V, Murzi B, Moschetti R, Colella A. Temporary epicardial pacing in an extremely low-birth-weight infant with congenital atrioventricular block. *Congenit Heart Dis.* 2007 May-Jun;2(3):199-202.
 39. Pezzati M, Filippi L, Psaraki M, Rossi S, Dani C, Tronchin M, Rubaltelli FF. Diagnosis of gastro-oesophageal reflux in preterm infants: sonography vs. pH-monitoring. *Neonatology.* 2007;91(3):162-6.
 40. Filippi L, Pezzati M, Di Amario S, Poggi C, Pecile P. Fusidic acid and heparin lock solution for the prevention of catheter-related bloodstream infections in critically ill neonates: A retrospective study and a prospective, randomized trial* *Pediatr Crit Care Med.* 2007 Nov;8(6):556-62.
 41. Filippi L, Pezzati M, Poggi C, Pasquini E. Vein of Galen aneurysmal malformation and galactosemia in a neonate: a previously unreported association. *Paediatr Anaesth.* 2007 Dec;17(12):1221-3.
 42. Filippi L, Poggi C, Serafini L, Fiorini P. Terlipressin as rescue treatment of refractory shock in a neonate. *Acta Paediatr.* 2008 Apr;97(4):500-2.
 43. Filippi L, Serafini L, Fiorini P, Agostini E, Giovannucci Uzielli ML. Congenital microgastria and primary ciliary dyskinesia in a newborn with DiGeorge syndrome and 22q11.2 deletion. *Eur J Pediatr Surg.* 2008 Jun;18(3):195-7.
 44. Filippi L, Poggi C. Fusidic acid and heparin lock solution for the prevention of catheter-related bloodstream infections in neonates cannot be recommended as a routine yet. *Pediatr Crit Care Med.* 2008 Nov;9(6):668.
 45. la Marca G, Malvagia S, Filippi L, Fiorini P, Innocenti M, Luceri F, Pieraccini G, Moneti G, Francese S, Dani FR, Guerrini R. Rapid assay of topiramate in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. *J Pharm Biomed Anal.* 2008 Dec 15;48(5):1392-1396.
 46. Filippi L, Poggi C, Gozzini E, Meleleo R, Mirabile L, Fiorini P. Neonatal liver abscesses due to *Candida* infection effectively treated with caspofungin. *Acta Paediatr.* 2009 May;98(5):906-9.

47. Filippi L, Gozzini E, Cavicchi C, Morrone A, Fiorini P, Donzelli G, Malvagia S, la Marca G. Insulin-resistant hyperglycaemia complicating neonatal onset of methylmalonic and propionic acidaemias. *J Inherit Metab Dis*. 2009 Dec;32 Suppl 1:S179-86
48. la Marca G, Malvagia S, Filippi L, Luceri F, Moneti G, Guerrini R. A new rapid micromethod for the assay of phenobarbital from dried blood spots by LC-tandem mass spectrometry. *Epilepsia*. 2009;50(12):2658-62.
49. Filippi L, la Marca G, Fiorini P, Poggi C, Cavallaro G, Malvagia S, Pellegrini-Giampietro DE, Guerrini R. Topiramate concentrations in neonates treated with prolonged whole body hypothermia for hypoxic ischaemic encephalopathy. *Epilepsia*. 2009 Nov;50(11):2355-61
50. Filippi L, Gozzini E, Fiorini P, Malvagia S, la Marca G, Donati MA. N-carbamylglutamate in emergency management of hyperammonaemia in neonatal acute onset propionic and methylmalonicaciduria. *Neonatology*. 2010;97(3):286-290.
51. Cavallaro G, Filippi L, Cristofori G, Colnaghi M, Ramenghi L, Agazzani E, Ronchi A, Fiorini P, Mosca F. Does pulmonary function change during whole-body deep hypothermia? *Arch Dis Child Fetal Neonatal Ed*. 2011 Sep;96(5):F374-7
52. Filippi L, Poggi C, la Marca G, Furlanetto S, Fiorini P, Cavallaro G, Plantulli A, Donzelli G, Guerrini R. Oral topiramate in neonates with hypoxic ischemic encephalopathy treated with hypothermia: a safety study. *J Pediatr*. 2010 Sep;157(3):361-6.
53. la Marca G, Malvagia S, Filippi L, Innocenti M, Rosati A, Falchi M, Pellacani S, Moneti G, Guerrini R. Rapid assay of rufinamide in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. *J Pharm Biomed Anal*. 2011 Jan 5;54(1):192-7.
54. Filippi L, Cavallaro G, Fiorini P, Daniotti M, Benedetti V, Cristofori G, Araimo G, Ramenghi L, La Torre A, Fortunato P, Pollazzi L, la Marca G, Malvagia S, Bagnoli P, Ristori C, Dal Monte M, Bilia AR, Isacchi B, Furlanetto S, Tinelli F, Cioni G, Donzelli G, Osnaghi S, Mosca F. Study protocol: safety and efficacy of propranolol in newborns with Retinopathy of Prematurity (PROP-ROP). *BMC Pediatrics*, 2010 Nov 18;10:83.
55. Ristori C, Filippi L, Dal Monte M, Martini D, Cammalleri M, Fortunato P, la Marca G, Fiorini P, Bagnoli P. Role of the Adrenergic System in a Mouse Model of Oxygen-Induced Retinopathy: Antiangiogenic Effects of Beta-Adrenoreceptor Blockade. *Invest Ophthalmol Vis Sci*. 2011 Jan 5;52(1):155-70.
56. Filippi L, Gozzini E, Daniotti M, Pagliai F, Catarzi S, Fiorini P. Rescue treatment with terlipressin in different scenarios of refractory hypotension in newborns and infants. *Pediatr Crit Care Med*. 2011 Nov;12(6):e237-41.
57. Filippi L, la Marca G, Cavallaro G, Fiorini P, Favelli F, Malvagia S, Donzelli G, Guerrini R. Phenobarbital for neonatal seizures in hypoxic ischemic encephalopathy: A pharmacokinetic study during whole body hypothermia. *Epilepsia*. 2011 Apr;52(4):794-801
58. Daniotti M, la Marca G, Fiorini P, Filippi L. New developments in the treatment of hyperammonemia: emerging use of carglumic acid. *Int J Gen Med*. 2011 Jan 7;4:21-8.
59. Filippi L, Serafini L, Gozzini E, Poggi C, Moroni M, Fiorini P. Persistent pulmonary hypertension of the newborn refractory to inhaled nitric oxide and prostacyclin, responsive to neuromuscular blockade. *Minerva Pediatr*. 2011 Jun;63(3):233-5.
60. Martini D, Monte MD, Ristori C, Cupisti E, Mei S, Fiorini P, Filippi L, Bagnoli P. Antiangiogenic effects of β_2 -adrenergic receptor blockade in a mouse model of oxygen-induced retinopathy. *J Neurochem*. 2011 Dec;119(6):1317-29.
61. la Marca G, Giocaliere E, Villanelli F, Malvagia S, Funghini S, Ombrone D, Filippi L, De Gaudio M, De Martino M, Galli L. Development of an UPLC-MS/MS method for the determination of antibiotic ertapenem on dried blood spots. *J Pharm Biomed Anal*. 2012 Mar 5;61:108-13.
62. Dal Monte M, Martini D, Latina V, Pavan B, Filippi L, Bagnoli P. Beta-adrenoreceptor agonism influences retinal responses to hypoxia in a model of retinopathy of prematurity. *Invest Ophthalmol Vis Sci*. 2012 Apr 24;53(4):2181-92.
63. Filippi L, Catarzi S, Gozzini E, Fiorini P, Falchi M, Pisano T, la Marca G, Donzelli G, Guerrini R. Hypothermia for neonatal hypoxic-ischemic encephalopathy: may an early amplitude-integrated EEG improve the selection of candidates for cooling? *J Matern Fetal Neonatal Med*. 2012 Nov;25(11):2171-6
64. Filippi L, Catarzi S, Padrini L, Fiorini P, la Marca G, Guerrini R, Donzelli GP. Strategies for reducing the incidence of skin complications in newborns treated with whole-body hypothermia. *J Matern Fetal Neonatal Med*. 2012 Oct;25(10):2115-21.
65. Filippi L, Fiorini P, Daniotti M, Catarzi S, Savelli S, Fonda C, Bartalena L, Boldrini A, Giampietri M, Scaramuzza R, Papoff P, Del Balzo F, Spalice A, la Marca G, Malvagia S, Della Bona ML, Donzelli G, Tinelli F, Cioni G, Pisano T, Falchi M, Guerrini R. Safety and efficacy of topiramate in neonates with hypoxic ischemic encephalopathy treated with hypothermia (NeoNATI). *BMC Pediatr*. 2012 Sep 5;12(1):144.
66. Filippi L, Monte MD, Bagnoli P. Different efficacy of propranolol in mice with oxygen-

- induced retinopathy: could differential effects of propranolol be related to differences in mouse strains? *Invest Ophthalmol Vis Sci.* 2012 Oct 30;53(11):7421-3.
67. Filippi L, Cavallaro G, Fiorini P, Malvagia S, Della BM, Giocaliere E, Bagnoli P, Dal Monte M, Mosca F, Donzelli G, la Marca G. Propranolol concentrations after oral administration in term and preterm neonates. *J Matern Fetal Neonatal Med.* 2013 May;26(8):833-40.
 68. Sardi I, Giunti L, Bresci C, Buccoliero AM, Degl'innocenti D, Cardelicchio S, Baroni G, Castiglione F, Ros MD, Fiorini P, Giglio S, Genitori L, Aricò M, Filippi L. Expression of β -adrenergic receptors in pediatric malignant brain tumors. *Oncol Lett.* 2013 Jan;5(1):221-225.
 69. Dal Monte M, Filippi L, Bagnoli P. Beta3-adrenergic receptors modulate vascular endothelial growth factor release in response to hypoxia through the nitric oxide pathway in mouse retinal explants. *Naunyn Schmiedebergs Arch Pharmacol.* 2013 Apr;386(4):269-78
 70. Monami M, Filippi L, Ungar A, Sgrilli F, Antenore A, Dicembrini I, Bagnoli P, Marchionni N, Rotella CM, Mannucci E. Further data on beta-blockers and cancer risk: observational study and meta-analysis of randomized clinical trials. *Curr Med Res Opin.* 2013 Apr;29(4):369-78.
 71. Della Bona ML, Malvagia S, Villanelli F, Giocaliere E, Ombrone D, Funghini S, Filippi L, Cavallaro G, Bagnoli P, Guerrini R, la Marca G. A rapid liquid chromatography tandem mass spectrometry-based method for measuring propranolol on dried blood spots. *J Pharm Biomed Anal.* 2013 May 5;78-79:34-8
 72. Dal Monte M, Casini G, la Marca G, Isacchi B, Filippi L, Bagnoli P. Eye drop propranolol administration promotes the recovery of oxygen-induced retinopathy in mice. *Exp Eye Res.* 2013 Jun;111:27-35.
 73. Cavallaro G, Filippi L, Bagnoli P, La Marca G, Cristofori G, Raffaelli G, Padrini L, Araimo G, Fumagalli M, Groppo M, Dal Monte M, Osnaghi S, Fiorini P, Mosca F. The pathophysiology of retinopathy of prematurity: an update of previous and recent knowledge. *Acta Ophthalmol.* 2014 Feb;92(1):2-20.
 74. Cavallaro G, Filippi L, Raffaelli G, Cristofori G, Schena F, Agazzani E, Amodeo I, Griggio A, Boccacci S, Fiorini P, Mosca F. Heart Rate and Arterial Pressure Changes during Whole-Body Deep Hypothermia. *ISRN Pediatr.* 2013 Apr 11;2013:140213
 75. Dal Monte M, Casini G, Filippi L, Nicchia GP, Svelto M, Bagnoli P. Functional involvement of β 3-adrenergic receptors in melanoma growth and vascularization. *J Mol Med (Berl).* 2013 Dec;91(12):1407-19.
 76. Filippi L, Cavallaro G, Bagnoli P, Dal Monte M, Fiorini P, Donzelli G, Tinelli F, Araimo G, Cristofori G, la Marca G, Della Bona ML, La Torre A, Fortunato P, Furlanetto S, Osnaghi S, Mosca F. Oral propranolol for retinopathy of prematurity: risks, safety concerns, and perspectives. *J Pediatr.* 2013 Dec;163(6):1570-1577.e6
 77. Casini G, Dal Monte M, Fornaciari I, Filippi L, Bagnoli P. The β -adrenergic system as a possible new target for pharmacologic treatment of neovascular retinal diseases. *Prog Retin Eye Res.* 2014 Sep;42C:103-129.
 78. Padrini L, Isacchi B, Bilia AR, Pini A, Lanzi C, Masini E, Della Bona ML, Calvani AM, Ceccantini R, Marca GI, Filippi L. Pharmacokinetics and local safety profile of propranolol eye drops in rabbits. *Pediatr Res.* 2014 Oct;76(4):378-85.
 79. Calvani M, Pelon F, Comito G, Taddei ML, Moretti S, Innocenti S, Nassini R, Gerlini G, Borgognoni L, Bambi F, Giannoni E, Filippi L, Chiarugi P. Norepinephrine promotes tumor microenvironment reactivity through β 3-adrenoreceptors during melanoma progression. *Oncotarget.* 2015 Mar 10;6(7):4615-32.
 80. Dal Monte M, Cammalleri M, Mattei E, Filippi L, Bagnoli P. Protective Effects of β 1/2 Adrenergic Receptor Deletion in a Model of Oxygen-Induced Retinopathy. *Invest Ophthalmol Vis Sci.* 2014 Dec 11;56(1):59-73.
 81. Filippi L, Dal Monte M, Casini G, Daniotti M, Sereni F, Bagnoli P. Infantile Hemangiomas, Retinopathy of Prematurity and Cancer: A Common Pathogenetic Role of the β -Adrenergic System. *Med Res Rev.* 2015 May;35(3):619-52.
 82. Paddeu EM, Giganti F, Piumelli R, De Masi S, Filippi L, Viggiano MP, Donzelli G. Sleeping problems in mothers and fathers of patients suffering from congenital central hypoventilation syndrome. *Sleep Breath.* 2015 Sep;19(3):1057-64.
 83. Donzelli G, Carnesecchi G, Amador C, di Tommaso M, Filippi L, Caporali R, Codullo V, Ricciari V, Valesini G, Gabrielli A, Bagnati R, McGreevy KS, De Masi S, Matucci Cerinic M. Fetal programming and systemic sclerosis. *Am J Obstet Gynecol.* 2015 Dec;213(6):839.e1-8.
 84. Sereni F, Dal Monte M, Filippi L, Bagnoli P. Role of host β 1- and β 2-adrenergic receptors in a murine model of B16 melanoma: functional involvement of β 3-adrenergic receptors. *Naunyn Schmiedebergs Arch Pharmacol.* 2015 Dec;388(12):1317-31.
 85. Chiarugi P, Filippi L. β 3-adrenoreceptor and tumor microenvironment: a new hub.

- Oncoimmunology. 2015 Apr 2;4(11):e1026532.
86. Filippi L, Tamburini A, Berti E, Perrone A, Defilippi C, Favre C, Calvani M, Della Bona ML, la Marca G, Donzelli G. Successful Propranolol Treatment of a Kaposiform Hemangioendothelioma Apparently Resistant to Propranolol. *Pediatr Blood Cancer*. 2016 Jul;63(7):1290-2.
 87. Filippi L, Cavallaro G, Bagnoli P, Dal Monte M, Fiorini P, Berti E, Padrini L, Donzelli G, Araimo G, Cristofori G, Fumagalli M, la Marca G, Della Bona ML, Pasqualetti R, Fortunato P, Osnaghi S, Tomasini B, Vanni M, Calvani AM, Milani S, Cortinovis I, Pugi A, Agosti M, Mosca F. Propranolol 0.1% eye micro-drops in newborns with retinopathy of prematurity: a pilot clinical trial. *Pediatr Res*. 2017 Feb;81(2):307-314.
 88. Filippi L, Cavallaro G, Berti E, Padrini L, Araimo G, Regiroli G, Bozzetti V, De Angelis C, Tagliabue P, Tomasini B, Buonocore G, Agosti M, Bossi A, Chirico G, Aversa S, Pasqualetti R, Fortunato P, Osnaghi S, Cavallotti B, Vanni M, Borsari G, Donati S, Nascimbeni G, la Marca G, Forni G, Milani S, Cortinovis I, Bagnoli P, Dal Monte M, Calvani AM, Pugi A, Villamor E, Donzelli G, Mosca F. Study protocol: safety and efficacy of propranolol 0.2% eye drops in newborns with a precocious stage of retinopathy of prematurity (DROP-ROP-0.2%): a multicenter, open-label, single arm, phase II trial. *BMC Pediatr*. 2017 Jul 14;17(1):165.
 89. Cavallaro G, Villamor-Martínez E, Filippi L, Mosca F, Villamor E. Probiotic supplementation in preterm infants does not affect the risk of retinopathy of prematurity: a meta-analysis of randomized controlled trials. *Sci Rep*. 2017 Oct 12;7(1):13014.
 90. Filippi L, Laudani E, Tubili F, Calvani M, Bartolini I, Donzelli G. Incidence of Sudden Unexpected Postnatal Collapse in the Therapeutic Hypothermia Era. *Am J Perinatol*. 2017 Nov;34(13):1362-1367.
 91. Landucci E, Filippi L, Gerace E, Catarzi S, Guerrini R, Pellegrini-Giampietro DE. Neuroprotective effects of topiramate and memantine in combination with hypothermia in hypoxic-ischemic brain injury in vitro and in vivo. *Neurosci Lett*. 2018 Jan 12;668:103-107.
 92. Filippi L, Fiorini P, Catarzi S, Berti E, Padrini L, Landucci E, Donzelli G, Bartalena L, Fiorentini E, Boldrini A, Giampietri M, Scaramuzzo RT, la Marca G, Della Bona ML, Fiori S, Tinelli F, Bancalè A, Guzzetta A, Cioni G, Pisano T, Falchi M, Guerrini R. Safety and efficacy of topiramate in neonates with hypoxic ischemic encephalopathy treated with hypothermia (NeoNATI): a feasibility study. *J Matern Fetal Neonatal Med*. 2018 Apr;31(8):973-980.
 93. Cammalleri M, Locri F, Catalani E, Filippi L, Cervia D, Dal Monte M, Bagnoli P. The Beta Adrenergic Receptor Blocker Propranolol Counteracts Retinal Dysfunction in a Mouse Model of Oxygen Induced Retinopathy: Restoring the Balance between Apoptosis and Autophagy. *Front Cell Neurosci*. 2017 Dec 12;11:395.
 94. Ricci F, Oranges T, Novembre E, Della Bona ML, la Marca G, de Martino M, Filippi L. Haematohidrosis treated with propranolol: a case report. *Arch Dis Child*. 2019 Feb;104(2):171.
 95. Nocentini A, Ceruso M, Bua S, Lomelino CL, Andring JT, McKenna R, Lanzi C, Sgambellone S, Pecori R, Matucci R, Filippi L, Gratterer P, Carta F, Masini E, Selleri S, Supuran CT. Discovery of β -Adrenergic Receptors Blocker-Carbonic Anhydrase Inhibitor Hybrids for Multitargeted Antiglaucoma Therapy. *J Med Chem*. 2018 Jun 28;61(12):5380-5394.
 96. Filippi L, de Libero C, Zamma Gallarati B, Fortunato P, Piozzi E. Propranolol eye drops in patients with corneal neovascularization. *Medicine (Baltimore)*. 2018 Nov;97(45):e13002.
 97. Dal Monte M, Calvani M, Cammalleri M, Favre C, Filippi L, Bagnoli P. β -Adrenoceptors as drug targets in melanoma: novel preclinical evidence for a role of $\beta(3)$ - adrenoceptors. *Br J Pharmacol*. 2019 Jul;176(14):2496-2508.
 98. Calvani M, Cavallini L, Tondo A, Spinelli V, Ricci L, Pasha A, Bruno G, Buonvicino D, Bigagli E, Vignoli M, Bianchini F, Sartiani L, Lodovici M, Semeraro R, Fontani F, De Logu F, Dal Monte M, Chiarugi P, Favre C, Filippi L. β 3-Adrenoreceptors Control Mitochondrial Dormancy in Melanoma and Embryonic Stem Cells. *Oxid Med Cell Longev*. 2018 Nov 13;2018:6816508.
 99. Calvani M, Bruno G, Dal Monte M, Nassini R, Fontani F, Casini A, Cavallini L, Becatti M, Bianchini F, De Logu F, Forni G, la Marca G, Calorini L, Bagnoli P, Chiarugi P, Pupi A, Azzari C, Geppetti P, Favre C, Filippi L. β 3-adrenoceptor as a potential immunosuppressor agent in melanoma. *Br J Pharmacol*. 2019 Jul;176(14):2509-2524.
 100. Pasha A, Vignoli M, Subbiani A, Nocentini A, Selleri S, Gratterer P, Dabraio A, Casini T, Filippi L, Fotzi I, Favre C, Calvani M. β 3-Adrenoreceptor Activity Limits Apigenin Efficacy in Ewing Sarcoma Cells: A Dual Approach to Prevent Cell Survival. *Int J Mol Sci*. 2019 Apr 30;20(9).
 101. Filippi L, Cavallaro G, Berti E, Padrini L, Araimo G, Regiroli G, Raffaelli G, Bozzetti V,

- Tagliabue P, Tomasini B, Mori A, Buonocore G, Agosti M, Bossi A, Chirico G, Aversa S, Fortunato P, Osnaghi S, Cavallotti B, Suzani M, Vanni M, Borsari G, Donati S, Nascimbeni G, Nardo D, Piermarocchi S, la Marca G, Forni G, Milani S, Cortinovis I, Calvani M, Bagnoli P, Dal Monte M, Calvani AM, Pugi A, Villamor E, Donzelli G, Mosca F. Propranolol 0.2% Eye Micro-Drops for Retinopathy of Prematurity: A Prospective Phase IIB Study. *Front Pediatr.* 2019 May 7;7:180.
102. Belli G, Cucca G, Filippi L. Decompressive Fasciotomy in an Extremely Preterm Newborn with Compartment Syndrome. *J Pediatr.* 2019 Nov;214:232-233.e1.
103. Bruno G, Cencetti F, Pini A, Tondo A, Cuzzubbo D, Fontani F, Strinna V, Buccoliero AM, Casazza G, Donati C, Filippi L, Bruni P, Favre C, Calvani M. β 3-adrenoreceptor blockade reduces tumor growth and increases neuronal differentiation in neuroblastoma via SK2/S1P(2) modulation. *Oncogene.* 2020 Jan;39(2):368-384.
104. Filippi L, Cavallaro G, Perciasepe L, Sandini E, Araimo G, Regiroli G, Raffaelli G, Bagnoli P, Dal Monte M, Calvani M, Fortunato P, Osnaghi S, De Masi S, Mosca F. Refractive outcome in preterm newborns with ROP after propranolol treatment. A retrospective observational cohort study. *Front Pediatr.* 2019 Nov 13;7:479.
105. Calvani M, Bruno G, Dabraio A, Subbiani A, Bianchini F, Fontani F, Casazza G, Vignoli M, De Logu F, Frenos S, Filippi L, Favre C. β 3-Adrenoreceptor Blockade Induces Stem Cells Differentiation in Melanoma Microenvironment. *Int J Mol Sci.* 2020 Feb 20;21(4):1420.
106. Filippi L, Bruno G, Domazetovic V, Favre C, Calvani M. Current Therapies and New Targets to Fight Melanoma: A Promising Role for the β 3-Adrenoreceptor. *Cancers (Basel).* 2020 May 30;12(6):1415.
107. Calvani M, Dabraio A, Bruno G, De Gregorio V, Coronello M, Bogani C, Ciullini S, Marca G, Vignoli M, Chiarugi P, Nardi M, Vannucchi AM, Filippi L, Favre C. β 3-Adrenoreceptor Blockade Reduces Hypoxic Myeloid Leukemic Cells Survival and Chemoresistance. *Int J Mol Sci.* 2020 Jun 12;21(12):4210.
108. Filippi L, Dal Monte M. A safety review of drugs used for the treatment of retinopathy of prematurity. *Expert Opin Drug Saf.* 2020 Sep 29:1-10.
109. Calvani M, Dabraio A, Subbiani A, Buonvicino D, De Gregorio V, Ciullini Mannurita S, Pini A, Nardini P, Favre C, Filippi L. β 3-Adrenoceptors as Putative Regulator of Immune Tolerance in Cancer and Pregnancy. *Front Immunol.* 2020 Sep 2;11:2098.
110. Calvani M, Vignoli M, Beltrami G, Pasha A, Scalini P, Mannurita SC, Cardellicchio S, Coccoli L, Cecchi C, Marco E, Luti L, Bernasconi S, Filippi L, Casazza G, Tamburini A, Favre C. Preliminary Study on β 3-Adrenoreceptor as Predictor Marker of Relapse in Ewing Sarcoma Patients. *Biomedicines.* 2020 Oct 13;8(10):E413.
111. Pini A, Fazi C, Nardini P, Calvani M, Fabbri S, Guerrini A, Forni G, La Marca G, Rosa AC, Filippi L. Effect of Beta 3 Adrenoreceptor Modulation on Patency of the Ductus Arteriosus. *Cells.* 2020 Dec 7;9(12):2625.
112. Oranges T, El Hachem M, Filippeschi C, Romanelli M, Filippi L. The potential role of propranolol in incontinentia pigmenti. *Dermatol Ther.* 2021 Jan 3:e14737.
113. Bassi A, Filippeschi C, Oranges T, Caporalini C, Pini A, Nardini P, Gentile RM, Filippi L. Infantile hemangiomas β 3-adrenoceptor overexpression is associated with nonresponse to propranolol. *Pediatr Res.* 2021 Mar 2.
114. Filippi L, Pini A, Cammalleri M, Bagnoli P, Dal Monte M. β 3-Adrenoceptor, a novel player in the round-trip from neonatal diseases to cancer: Suggestive clues from embryo [published online ahead of print, 2021 Dec 29]. *Med Res Rev.* 2022 May;42(3):1179-1201.
115. Filippi L, Cammalleri M, Amato R, Ciantelli M, Pini A, Bagnoli P, Dal Monte M. Decoupling Oxygen Tension From Retinal Vascularization as a New Perspective for Management of Retinopathy of Prematurity. *New Opportunities From β -adrenoceptors.* *Front Pharmacol.* 2022 Jan 21;13:835771
116. Farinella R, Rizzato C, Bottai D, Bedini A, Gemignani F, Landi S, Peduzzi G, Rosati S, Lupetti A, Cuttano A, Moscuza F, Tuoni C, Filippi L, Ciantelli M, Tavanti A, Campa D. Maternal anthropometric variables and clinical factors shape neonatal microbiome. *Sci Rep.* 2022;12(1):2875. Published 2022 Feb 21. doi:10.1038/s41598-022-06792-6
117. Amato R, Pisani F, Laudadio E, et al. HIF-1-Dependent Induction of β 3 Adrenoceptor: Evidence from the Mouse Retina. *Cells.* 2022;11(8):1271.
118. Janowska A, Iannone M, Fidanzi C, Romanelli M, Filippi L, Del Re M, Martins M, Dini V. The Genetic Basis of Dormancy and Awakening in Cutaneous Metastatic Melanoma. *Cancers (Basel).* 2022;14(9):2104.
119. Fiori S, Scaramuzza RT, Moretti E, Amador C, Controzzi T, Martinelli A, Filippi L, Guzzetta A, Gargagni L. LUNCH-Lung Ultrasound for early detection of silent and apparent aspiration in infants and young Children with cerebral palsy and other developmental disabilities: study protocol of a randomized controlled trial. *BMC Pediatr.* 2022 Jun 23;22(1):360.
120. Filippi L, Tamagnini S, Lorenzoni F, Caciotti A, Morrone A, Scaramuzza R. Case

- Report: Dramatic Cholestasis Responsive to Steroids in a Newborn Homozygous for H63D HFE Variant. *Front Pediatr.* 2022 Jul 8;10:930775. doi: 10.3389/fped.2022.930775. PMID: 35874562; PMCID: PMC9304806.
121. Lucchesi M, Marracci S, Amato R, Filippi L, Cammalleri M, Dal Monte M. Neurosensory Alterations in Retinopathy of Prematurity: A Window to Neurological Impairments Associated to Preterm Birth. *Biomedicines.* 2022 Jul 6;10(7):1603. doi: 10.3390/biomedicines10071603. PMID: 35884908; PMCID: PMC9313429.
 122. Fiori S, Moretti E, Amador C, Martinelli A, Scaramuzza RT, Controzzi T, Battini R, Filippi L, Guzzetta A, Gargani L. Lung ultrasound in young children with neurological impairment: A proposed integrative clinical tool for deaeration-detection related to feeding. *Front Pediatr.* 2022 Jul 27;10:932409. doi: 10.3389/fped.2022.932409. PMID: 35967558; PMCID: PMC9363586.
 123. Tuoni C, Ciantelli M, Morganti R, Violi M, Tamagnini S, Filippi L. Procalcitonin levels in preterm newborns: Reference ranges during the first three days of life. *Front Pediatr.* 2022 Aug 29;10:925788. doi: 10.3389/fped.2022.925788. PMID: 36105855; PMCID: PMC9464813.
 124. Cammalleri M, Amato R, Dal Monte M, Filippi L, Bagnoli P. The β_3 adrenoceptor in proliferative retinopathies: "Cinderella" steps out of its family shadow. *Pharmacol Res.* 2023 Apr;190:106713.
 125. Filippi L, Scaramuzza RT, Pascarella F, Pini A, Morganti R, Cammalleri M, Bagnoli P, Ciantelli M. Fetal oxygenation in the last weeks of pregnancy evaluated through the umbilical cord blood gas analysis. *Front Pediatr.* 2023 Apr 21;11:1140021.
 126. Tuoni C, Mazzatenta C, Filippi L. Congenital Cutaneous Candidiasis with Nail Involvement. *J Pediatr.* 2023 Sep;260:113470.
 127. Scaramuzza RT, Bagnoli P, Dal Monte M, Cammalleri M, Pini A, Ballini S, Bendinelli A, Desideri I, Ciantelli M, Filippi L. Treating infants with 0.2% propranolol eye micro-drops drastically reduced the progression of retinopathy of prematurity. *Acta Paediatr.* 2023 Sep;112(9):1905-1906.
 128. Cetica F, Ciantelli M, Carcione S, Scaramuzza RT, Bottone U, Pellegrini A, Caiazza D, Gagliardi L, Luzi C, Lenzini A, Bardelli S, Filippi L, Bellandi T, Cuttano A. NEO-SAFE: a clinical model for patients and healthcare personnel safety in primary level hospitals. *Int J Qual Health Care.* 2023 Jul 5;35(3):mzad045.
 129. Filippi L, Pascarella F, Pini A, Cammalleri M, Bagnoli P, Morganti R, Innocenti F, Castagnini N, Melosi A, Scaramuzza RT. Fetal Oxygenation from the 23rd to the 36th Week of Gestation Evaluated through the Umbilical Cord Blood Gas Analysis. *Int J Mol Sci.* 2023 Aug 6;24(15):12487.
 130. Farinella R, Falchi F, Tavanti A, Tuoni C, Di Nino MG, Filippi L, Ciantelli M, Rizzato C, Campa D. The genetic variant SLC2A1-rs1105297 is associated with the differential analgesic response to a glucose-based treatment in newborns. *Pain.* 2023 Sep 13.
 131. Controzzi T, Chesi F, Scaramuzza RT, Giampietri M, Morganti R, Fiori S, Moretti E, Gargani L, Filippi L. Lung ultrasound supports clinical evaluation of feeding competence development in preterm neonates. *Front Pediatr.* 2023 Sep 20;11:1222473.
 132. Corsini I, Rodriguez-Fanjul J, Raimondi F, Boni L, Berardi A, Aldecoa-Bilbao V, Alonso-Ojembarrena A, Ancora G, Aversa S, Beghini R, Meseguer NB, Capasso L, Chesi F, Ciarcia M, Concheiro A, Corvaglia L, Ficial B, Filippi L, Carballal JF, Fusco M, Gatto S, Ginovart G, Gregorio-Hernández R, Lista G, Sánchez-Luna M, Martini S, Massenzi L, Miselli F, Mercadante D, Mosca F, Palacio MT, Perri A, Piano F, Prieto MP, Fernandez LR, Risso FM, Savoia M, Staffler A, Vento G, Dani C. Lung Ultrasound Guided surfactant therapy in preterm infants: an international multicenter randomized control trial (LUNG study). *Trials.* 2023 Nov 4;24(1):706. doi: 10.1186/s13063-023-07745-8. PMID: 37925512; PMCID: PMC10625281.
 133. Amato R, Lucchesi M, Marracci S, Filippi L, Dal Monte M. β -Adrenoceptors in Cancer: Old Players and New Perspectives. *Handb Exp Pharmacol.* 2023 Nov 21.
 134. Tuoni C, Nuzzi G, Scaramuzza RT, Fiori S, Filippi L. Neonatal hypoxic-ischemic encephalopathy after acute carbon monoxide intoxication during pregnancy. A case report and brief review of the literature. *Front Pediatr.* 2023 Nov 3;11:1264855.
 135. Filippi L, Nardini P, Zizi V, Molino M, Fazi C, Calvani M, Carrozzo F, Cavallaro G, Giuseppetti G, Calosi L, Crociani O, Pini A. β_3 Adrenoceptor Agonism Prevents Hyperoxia-Induced Colonic Alterations. *Biomolecules.* 2023 Dec 6;13(12):1755.
 136. Pascarella F, Scaramuzza RT, Pini A, Cammalleri M, Bagnoli P, Ciantelli M, Filippi L. Propranolol: a new pharmacologic approach to counter retinopathy of prematurity progression. *Front Pediatr.* 2024 Jan 16;12:1322783.
 - 137.