



Woman and Child Hospital
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CURRICULUM VITAE PROF. LUCA GIACOMELLO

ASSOCIATE PROFESSOR IN NEONATAL AND PEDIATRIC SURGERY

MAIN ACTIVITIES University professor, researcher, pediatric and neonatal surgeon.

PROFESSIONAL EXPERIENCES

- From 2002 to 2021: assistant professor, neonatal and pediatric surgery, University of Verona
- From 2004: consultant in neonatal and pediatric surgery, Woman and Child Hospital of Verona
- From 2021: associate professor in pediatric surgery, University of Verona
- From 2022: clinical leader pediatric surgery specialties

EDUCATION

- 1990: High school diploma;
- 1997: Medicine and Surgery Degree, School of Medicine, University of Verona;
- 2002: Postgraduate School of Pediatric Surgery, University of Verona;
- 2014: PhD in stem cell pathophysiology and tissue engineering.

MAIN PROFESSIONAL COMPETENCY

Minimally invasive and robotic pediatric surgery
Fetal stem cells
3D bioprinting, lab-on-chip technologies

ACTUAL POSITION Associate Professor in neonatal and pediatric surgery.

NAME OF INSTITUTION University of Verona

TEACHING

University professor, School of medicine, University of Verona
University professor, post-graduate school of pediatric surgery, University of Verona
University professor, PhD course in surgical sciences and cardiovascular disease, University of Verona

SCIENTIFIC ACTIVITY

Tissue engineering and regenerative medicine applied to pediatric surgery. Principal investigator of the research group in pediatric surgery: the research group in basic and translational pediatric surgery was born in 2010 with the intention of focusing the research mainly in the study of fetal stem cells (placenta and amniotic fluid) and their application for the correction of congenital

malformations. The operational headquarters are located at the academic labs of the University of Verona, where the group has 3 refurbished laboratories dedicated to cell biology, molecular biology, cell cultures and 3D bioprinting. The research group boasts effective international collaborations and consequent relevant publications.

In 2021 he founded PrometeoNanoLab, academic lab focused on 3D bioprinting and lab on chip technology

SCIENTIFIC PRODUCTION

- 1: Dallatana A, Cremonesi L, Trombetta M, Fracasso G, Nocini R, Giacomello L, Innamorati G. G Protein-Coupled Receptors, and the rise of type 2 diabetes in children. *Biomedicines* 2023, May 29;11(6):1576 Doi: 10.3390/biomedicines11061576
- 2: Innamorati G, Ridolfi G, Steccanella F, Bormetti A, Dallatana A, Bozzetto C, Ottoboni L, Di Chio M, Giacomello L. cAMP response element binding protein controls the appearance of neuron-like traits in chorion mesenchymal cells. *Front Biosci (Landmark Ed)* 2022 Aug 18;27(8): 249.doi: 10.31083/j.fbl2708249. PMID: 36042162
- 3: Innamorati G, Wilkie TM, Malpeli G, Paiella S, Grasso S, Rusev B, Leone BE, Valenti MT, Carbonare LD, Cheri S, Giacomazzi A, Zanotto M, Guardini V, Deiana M, Zipeto D, Serena M, Parenti M, Guzzi F, Lawlor RT, Malerba G, Mori A, Malleo G, Giacomello L, Salvia R, Bassi C.
Gα15 in early onset of pancreatic ductal adenocarcinoma.
Sci Rep. 2021 Jul 21;11(1):14922. Doi:10.1038/s41598-021-94150-3. PMID: 34290274; PMCID: PMC8295279.
- 4: Innamorati G, Wilkie TM, Kantheti HS, Valenti MT, Dalle Carbonare L, Giacomello L, Parenti M, Melisi D, Bassi C.
The curious case of Gαs gain-of-function in neoplasia. *BMC Cancer.*
2018 Mar 15;18(1):293. doi:10.1186/s12885-018-4133-z. PubMed PMID: 29544460; PubMed Central PMCID: PMC5856294.
- 5: Maines E, Giacomello L, D'Onofrio M, Salgarello M, Gaudino R, Baggio L, Bordugo A.
Images from (18)F-DOPA Scan in Congenital Hyperinsulinism: Not Always a Clue for Diagnosis.
Nucl Med Mol Imaging. 2017 Dec;51(4):362-363. doi:10.1007/s13139-016-0434-9. Epub 2016 Jul 14. PubMed PMID: 29242734; PubMed Central PMCID: PMC5721080.
- 6: Innamorati G, Valenti MT, Giacomello L, Dalle Carbonare L, Bassi C.
GNAS Mutations: Drivers or Co-Pilots? Yet, Promising Diagnostic Biomarkers.
Trends Cancer. 2016 Jun;2(6):282-285. doi: 10.1016/j.trecan.2016.05.005. Epub 2016 Jun 1. PubMed PMID: 28741526.
- 7: Innamorati G, Fontana E, Steccanella F, Gandhi K, Bassi G, Zandonà V, Giacomello L.
Pleiotropic effects of sphingosine-1-phosphate signaling to control human chorionic mesenchymal stem cell physiology.

Cell Death Dis. 2017 Jul 13;8(7): e2930. doi: 10.1038/cddis.2017.312. PubMed PMID: 28703804; PubMed Central PMCID: PMC5550859.

- 8: Peretti M, Mariotto A, Scirè G, Pani E, Zambaldo S, Bianchi S, Camoglio FS, Giacomello L. Wandering spleen with a ten-time twisted vascular pedicle. *Pediatr Med Chir.* 2016 Dec 20;38(3):119. doi: 10.4081/pmc.2016.119. PubMed PMID: 28009140.
- 9: Comberiati P, Giacomello L, Camoglio FS, Peroni DG. Diaphragmatic hernia in a pediatric emergency department. *Pediatr Emerg Care.* 2015 May;31(5):354-6. doi: 10.1097/PEC.0000000000000425. PubMed PMID: 25931340.
- 10: Mariotto A, Peretti M, Scirè G, Mantovani A, Zambaldo S, Pani E, Camoglio FS, Giacomello L. Trichobezoars in children: therapeutic complications. *Pediatr Med Chir.* 2014 Dec 30;36(5-6):101. doi: 10.4081/pmc.2014.101. PubMed PMID: 25669892.
- 11: Rugolotto S, Giacomello L, El-Dalati G, Sacchetto L, Antonello L, De Luca G, Raffaelli R. Unplanned ultrasound-guided puncture of a tracheal balloon in a premature infant with congenital diaphragmatic hernia. *J Neonatal Perinatal Med.* 2014;7(4):311-3. doi: 10.3233/NPM-14814025. PubMed PMID: 25468617.
- 12: Scirè G, Mariotto A, Peretti M, Buzzi E, Zani B, Camoglio F, Giacomello L. Laparoscopic versus open appendectomy in the management of acute appendicitis in children: a multicenter retrospective study. *Minerva Pediatr.* 2014 Aug;66(4):281-5. PubMed PMID: 25198564.
- 13: Di Trapani M, Bassi G, Fontana E, Giacomello L, Pozzobon M, Guillot PV, De Coppi P, Krampera M. Immune regulatory properties of CD117(pos) amniotic fluid stem cells vary according to gestational age. *Stem Cells Dev.* 2015 Jan 1;24(1):132-43. doi: 10.1089/scd.2014.0234. PubMed PMID: 25072397; PubMed Central PMCID: PMC4273183.
- 14: Di Trapani M, Bassi G, Ricciardi M, Fontana E, Bifari F, Pacelli L, Giacomello L, Pozzobon M, Féron F, De Coppi P, Anversa P, Fumagalli G, Decimo I, Menard C, Tarte K, Krampera M. Comparative study of immune regulatory properties of stem cells derived from different tissues. *Stem Cells Dev.* 2013 Nov 15;22(22):2990-3002. doi: 10.1089/scd.2013.0204. Epub 2013 Aug 9. PubMed PMID: 23819720; PubMed Central PMCID: PMC3840473.
- 15: Bishay M, Giacomello L, Retrosi G, Thyoka M, Garriboli M, Brierley J, Harding L, Scuplak S, Cross KM, Curry JI, Kiely EM, De Coppi P, Eaton S, Pierro A. Hypercapnia and acidosis during open and thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia: results of a pilot randomized controlled trial.

Ann Surg. 2013 Dec;258(6):895-900. doi: 10.1097/SLA.0b013e31828fab55. PubMed PMID: 23604057.

- 16: Bishay M, Giacomello L, Retrosi G, Thyoka M, Nah SA, McHoney M, De Coppi P, Brierley J, Scuplak S, Kiely EM, Curry JI, Drake DP, Cross KM, Eaton S, Pierro A.
Decreased cerebral oxygen saturation during thoracoscopic repair of congenital diaphragmatic hernia and esophageal atresia in infants.
J Pediatr Surg. 2011 Jan;46(1):47-51. doi: 10.1016/j.jpedsurg.2010.09.062. PubMed PMID: 21238638.
- 17: Nah SA, Giacomello L, Eaton S, de Coppi P, Curry JI, Drake DP, Kiely EM, Pierro A.
Surgical repair of incarcerated inguinal hernia in children: laparoscopic or open?
Eur J Pediatr Surg. 2011 Jan;21(1):8-11. doi: 10.1055/s-0030-1262793. Epub 2010 Oct 11. PubMed PMID: 20938898.
- 18: McHoney M, Giacomello L, Nah SA, De Coppi P, Kiely EM, Curry JI, Drake DP, Eaton S, Pierro A.
Thoracoscopic repair of congenital diaphragmatic hernia: intraoperative ventilation and recurrence.
J Pediatr Surg. 2010 Feb;45(2):355-9. doi: 10.1016/j.jpedsurg.2009.10.072. PubMed PMID: 20152351.
- 19: Eaton S, McHoney M, Giacomello L, Pacilli M, Bishay M, De Coppi P, Wood J, Cohen R, Pierro A.
Carbon dioxide absorption and elimination in breath during minimally invasive surgery.
J Breath Res. 2009 Dec;3(4):047005. doi: 10.1088/1752-7155/3/4/047005. Epub 2009 Nov 27. PubMed PMID: 21386202.
- 20: Zampieri N, Corroppolo M, El Dalati G, Giacomello L, Maximilian Cervellione R, Camoglio FS.
Correlation between high-resolution ultrasound and surgical/pathological findings in patients with suspected appendicitis. Minerva
Chir. 2008 Dec;63(6):469-74. PubMed PMID: 19078879.
- 21: Corroppolo M, Erculiani E, Zampieri N, Gobbato M, Camoglio FS, Giacomello L.
Ductal carcinoma in situ in a 15-year-old boy with gynaecomastia: a case report.
Pediatr Surg Int. 2008 Aug;24(8):943-5. doi: 10.1007/s00383-008-2134-8. Epub 2008 Jul 5. PubMed PMID: 18604543.
- 22: Erculiani E, Zampieri N, Cecchetto M, Camoglio FS, Giacomello L.
Intraoperative double-J stent insertion in children with scintigraphic impaired renal function and obstructive urinary tract malformation.
Minerva Urol Nefrol. 2008 Mar;60(1):7-13. PubMed PMID: 18427431.
- 23: Zaffanello M, Giacomello L, Brugnara M, Fanos V.
Therapeutic options in childhood nocturnal enuresis.
Minerva Urol Nefrol. 2007 Jun;59(2):199-205. Review. PubMed PMID: 17571056.

- 24: Corroppolo M, Zampieri N, Pietrobelli A, Giacomello L, Camoglio FS.
Bladder exstrophy variants.
Minerva Urol Nefrol. 2007 Mar;59(1):109-13. Review. PubMed PMID: 17431375.
- 25: Zampieri N, Corroppolo M, Camoglio FS, Giacomello L, Ottolenghi A.
Phimosis: stretching methods with or without application of topical steroids?
J Pediatr. 2005 Nov;147(5):705-6. PubMed PMID: 16291369.
- 26: Camoglio FS, Zampieri N, Corroppolo M, Chironi C, Dipaola G, Giacomello L, Ottolenghi A.
Varicocele and retrograde adrenal metabolites flow. An experimental study on rats.
Urol Int. 2004;73(4):337-42. PubMed PMID: 15604579.
- 27: Ottolenghi A, Camoglio FS, Valletta E, Giacomello L, Pasquini A.
[Primary and secondary gastro-esophageal reflux in pediatric age].
Minerva Pediatr. 2004 Feb;56(1):91-6. Italian. PubMed PMID: 15249918.
- 28: Dipaola G, Camoglio FS, Giacomello L, Balducci T, Chironi C, Ottolenghi A.
Complicated total esophagogastric dissociation: case report.
Pediatr Med Chir. 2003 Sep-Oct;25(5):373-4. PubMed PMID: 15058840.
- 29: Camoglio FS, Forestieri C, Zanatta C, Capelli P, Pecori S, Marcolongo A, Cecchetto M, Giacomello L, Ottolenghi A.
Complete pancreatic ectopia in a gastric duplication cyst: a case report and review of the literature.
Eur J Pediatr Surg. 2004 Feb;14(1):60-2. Review. PubMed PMID: 15024682.
- 30: Camoglio FS, Dipaola G, Cervellione RM, Chironi C, Giacomello L, Zanatta C, Ottolenghi A.
Treatment of neonatal chylous ascites using a modified Denver peritoneovenous shunt: a case report.
Pediatr Med Chir. 2003 Mar-Apr;25(2):145-7. PubMed PMID: 12916444.
- 31: Giacomello L, Camoglio FS, Cecchetto M, Balducci T, Cervellione M, Ottolenghi A.
Endoscopic treatment of vesico-ureteral reflux and urinary incontinence.
Pediatr Med Chir. 2002 Mar-Apr;24(2):134-6. PubMed PMID: 11987517.
- 32: Cervellione RM, Camoglio FS, Bianchi S, Balducci T, Dipaola G, Giacomello L, Chironi C, Erculiani E, Ottolenghi A.
Secondary omental torsion in children: report of two cases and review of the literature.
Pediatr Surg Int. 2002 Mar;18(2-3):184-6. PubMed PMID: 11956794.
- 33: Dipaola G, Camoglio FS, Chironi C, Giacomello L, Bianchi S, Cervellione RM, Pietrobelli A, Morana G, Ottolenghi A.
Congenital true pancreatic cyst in pediatric age: case report.
Pediatr Med Chir. 2002 Jan-Feb;24(1):63-5. PubMed PMID: 11938685.
- 34: Balducci T, Camoglio FS, Cecchetto M, Giacomello L, Dipaola G, Rigo V, Ottolenghi A.
[The role of continent perineal colostomy in surgical emergencies of the distal bowel].
Minerva Chir. 2002 Feb;57(1):87-91. Italian. PubMed PMID: 11832864.

- 35: Camoglio FS, Cervellione RM, Dipaola G, Balducci T, Giacomello L, Zanatta C, Forestieri C, Chironi C.
[Idiopathic varicocele in children. Epidemiological study and surgical approach].
Minerva Urol Nefrol. 2001 Dec;53(4):189-93. Italian. PubMed PMID: 11753246.
- 36: Dipaola G, Camoglio FS, Chironi C, Giacomello L, Cervellione RM, Cecchetto M, Bianchi S.
[Reconstruction of the vas deferens: an experimental study on the rat].
Minerva Urol Nefrol. 2001 Sep;53(3):125-8. Italian. PubMed PMID: 11723436.
- 37: Dipaola G, Camoglio FS, Bianchi S, Cervellione RM, Giacomello L, Chironi C, Ottolenghi A.
[Cryptohypospadias: Surgical approach and long-term results].
Minerva Urol Nefrol. 2001 Jun;53(2):99-103. Italian. PubMed PMID: 11455319.
- 38: Dipaola G, Spalletta M, Balducci T, Giacomello L, Camoglio FS, Bianchi S, Ottolenghi A.
Surgical treatment of chordee without hypospadias.
Eur Urol. 2000 Dec;38(6):758-61. PubMed PMID: 11111197.
- 39: Ghandour HM, Spalletta M, Giacomello L, Balducci T, Bettili G, Ottolenghi A.
[Rare anorectal malformations. Intermediate-type anal agenesis with a rectocutaneous fistula].
Minerva Chir. 1998 Nov;53(11):935-8. Review. Italian. PubMed PMID: 9973796.
- 40: Ghandour HM, Spalletta M, Dipaola G, Balducci T, Giacomello L, Piovesan P, Ottolenghi A.
[Unusual anorectal anomalies. A clinical contribution].
Minerva Pediatr. 1998 May;50(5):179-85. Italian. PubMed PMID: 9842215.

**LANGUAGE
COMPETENCE**

Mother tongue: Italian
Other languages: English

**SELF EVALUATION
EUROPEAN LEVEL**

	Comprehension		Spoken		Written
	Listening	Lecturing	Speaking Interaction	Listening Interaction	
ENGLISH	B2	B2	C1	B2	B1
ITALIAN	Excellent	Excellent	Excellent	Excellent	Excellent

PERSONAL INTEREST

Music, food and wine, cooking

**SCIENTIFIC
SOCIETIES**

European Society of Pediatric Surgery
British Association of Paediatric Surgery

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Verona, li 02/12/2022

Prof. Luca Giacomello