

PERSONAL INFORMATION

ASTRID PARENTI



 Via Nicola Pisano 7, 50143 Florence, Italy
 +390552758213  +393391484229
 astrid.parenti@unifi.it

Sex F | Date of birth 27/12/1964 | Nationality Italian

WORK EXPERIENCE

- 2000-Present Assistant professor, Medical School, Dept. Health Sciences, Clinical Pharmacology and Oncology Section, University of Florence, Italy
- 1999-2000 Post Doc fellowship: "Characterization of the cellular and molecular mechanisms involved in vascular remodelling"
- May-Dic. 1998 Menarini fellowship, title: "Effects of Nebivolol on isolated vascular preparations and on cultured endothelial cells".
- July-Oct 1996 and April-Sept. 1997 Guest Scientist, Hypertension Division, Medical School, Case Western Reserve University, Cleveland, Ohio, USA
- Nov. 1993-1997 PhD student in Pharmacology and Toxicology, Department of Preclinical Pharmacology, University of Florence, Italy
- 1992-1993: Menarini fellowship, research title "Effect of Tachykinins on human cultured fibroblast growth"
- 1992 (april-august): European project for student mobility: Erasmus fellowship at the Department of Pharmacology, University College of Dublin (Ireland), research title "Effect of gangliosides on cell cycle", laboratory of neuropharmacology (Dr. C. Regan).
- 1990-1991 Dompe' fellowship, research title "News antiinflammatory drugs: superoxide anion production from phagocytes".

EDUCATION AND TRAINING

- 1984 Graduated from high school (Liceo Classico, score: 50/60)
- 1990 Masters Degree in Biology (cum laude) at the University of Florence
- 1993 Specialist in Pharmacology (cum laude) at the University of Florence
- 1998 PhD in Pharmacology and Toxicology at the University of Florence

AWARDS

- 2002 Premio Farindustria per ricerche Farmacologiche. Parenti et al . 2001, *Am. J. Physiol.*, 280(1): H99-H107
- 2011 Co-Autor Premio Farindustria Grassia et al. *Arterioscler Thromb Vasc Biol.* 2010, 30(12):2458-66
- 1998 Post-Doc award (Area e Settore 05E07X Farmacologia); Reaearch "Characterization of celllular and molecular mechanisms of vascular remodelling"
- 1997 SIF fellowship for guest scientist at the Case Western Reserve University, Cleveland, Ohio, USA
- 1992 SIF fellowship for guest scientist at the Dept of Pharmacology, University College of Dublin (Ireland).

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	C1

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	- Independent user	Independent user

INTERNATIONAL PUBLICATIONS

- Sisti G, Paccosi S, Parenti A, Seravalli V, Di Tommaso M, Witkin SS. Insulin-like growth factor binding protein-1 predicts preterm premature rupture of membranes in twin pregnancies. Arch Gynecol Obstet. 2019 Jun 14. doi: 10.1007/s00404-019-05214-9. IF= 2.236
- G. Sisti, E.E. Minis, M. Di Tommaso, ER. Magro-Malosso, A. Parenti, S. Paccosi, MI Pachon Romero, SS. Witkin Sex-specific influence of the vacuolar adenosine triphosphatase a2 isoform on outcome in twin pregnancies. Am J Reprod Immunol, 81(1):e13071, 2019 IF= 2.745
- S. Paccosi, A. Parenti. Leukocyte-independent effects of cc-chemokines on vascular remodelling. Curr Pharm Biotechnol. 19(9):715-727. 2018 IF= 1.819
- G. Sisti, E.E. Minis, M. Di Tommaso, ER. Magro-Malosso, A. Parenti, S. Paccosi, MI Pachon Romero, SS. Witkin. T-cell immunoglobulin mucin-3 and galectin-9 levels in peripheral blood mononuclear cells predict fetal acidemia in twin pregnancies. J Matern Fetal Neonatal Med. 2018, haead to print IF= 1.493
- S. Fogli, C. Montis, S. Paccosi, A. Silvano, E. Michelucci, D. Berti, A. Bosi, A. Parenti, P. Romagnoli. Inorganic Nanoparticles as Potential Regulators of Immune Response in Dendritic Cells. Nanomedicine, Vol.12(14):1647-1660, 2017 IF= 5.005
- G. Castronovo, AM. Clemente, A. Antonelli, MM. D'Andrea, M. Tanturli, E. Perissi, S. Paccosi, A. Parenti, F. Cozzolino, GM, Rossolini, MG Torcia. Differential Th17 response induced by the two clades of the pandemic ST258 Klebsiella pneumoniae clonal lineage producing KPC-type carbapenemase. PLoS One, 12(6):e0178847, 2017 IF= 2.766
- Parenti A, Pala L, Paccosi S, Rotella CM. Potential Role for Dendritic Cells in Endothelial Dysfunction, Diabetes and Cardiovascular Disease. Revie. Curr Pharm Des 23(10): 1435-1444, 2017 IF= 2.757
- G. Castronovo, AM. Clemente, A. Antonelli, MM. D'Andrea, M. Tanturli, E. Perissi, S. Paccosi, A. Parenti, F. Cozzolino, GM, Rossolini, MG Torcia. Differences in inflammatory response induced by two representatives of clades of the pandemic ST258 Klebsiella pneumoniae clonal lineage producing KPC-type carbapenemases. PLoS One, 12(1):e0170125, 2017 IF= 2.766
- E. Bigagli, L. Cinci, S. Paccosi, A. Parenti, M. D'Ambrosio, C. Luceri. Nutritionally relevant concentrations of resveratrol and hydroxytyrosol mitigate oxidative burst of human granulocytes and monocytes and the production of pro-inflammatory mediators in LPS-stimulated RAW 264.7 macrophages. Int Immunopharmacol 43:147-155, 2017 IF= 3.118
- A. Parenti, B. Indorato, S. Paccosi. Minocycline affects human neutrophil respiratory burst and transendothelial migration. Inflamm Res., 66(2):107-109, 2016 IF= 2.990
- S. Paccosi, M. Giachi, P. Di Gennaro, A. Guglielmotti, A. Parenti The chemokine (C-C motif) ligand protein synthesis inhibitor bindarit prevents cytoskeletal rearrangement and contraction of human mesangial cells", Cytokine, 85:92-100, 2016 IF= 3.514
- Caiazzo E, Maione F, Morello S, Lapucci A, Paccosi S, Steckel B, Lavecchia A, Parenti A, Iuvone T, Schrader J, Ialenti A, Cicala C. Adenosine signalling mediates the anti-inflammatory effects of the COX-2 inhibitor nimesulide. Biochem Pharmacol. 112:72-81, 2016 IF= 4.235
- L. Cinci, C. Luceri, E. Bigagli, I. Carboni, S. Paccosi, A. Parenti, D. Guasti, M. Coronello Development and characterization of an in vitro model of colorectal adenocarcinoma with MDR phenotype. Cancer Medicine 5(6):1279-91. 2016 IF= 3.202
- A. Parenti, F. De Logu, P. Geppetti, S. Benemei. What does evidence indicate about the role of TRP channels in inflammatory and immune cells? Br J Pharmacol. 2016 173(6):953-69. Review IF= 6.810
- A. Parenti, S. Paccosi, F. Cairo, E. Defraia. Treatment of periodontitis for the prevention of endothelial dysfunction: a narrative review. Curr Vasc Pharmacol. 13(6), 2015 Review IF= 2.087
- C. Musilli, S. Paccosi, Gabriele Graziani, C. Caporale, A. M. G. Gelli, A. Parenti. Endothelial soluble factors mediate differentiation of circulating endothelial precursors. J. Cardiovasc. Pharmacol., 66(2):223-7, 2015. IF= 2.227
- S. Paccosi, C. Musilli, R. Caporale, A. M. G. Gelli, D. Guasti, A. M. Clemente, M. G. Torcia, A. Filippelli, P. Romagnoli, A. Parenti. Stimulatory interactions between human coronary smooth muscle cells and dendritic cells. PLoS One, 9(6):e99652, 2014. IF= 2.766
- M. Ghionzoli, A. Repele, L. Sartiani, G. Costanzi, A. Parenti, V. Spinelli, A. L. David, M. Garriboli, G. Totonelli, J.

- Tian, S. T. Andreadis, E. Cerbai, A. Mugelli, A. Messineo, A. Pierro, S. Eaton, P. De Coppi. Human amniotic fluid stem cell differentiation along smooth muscle lineage. *FASEB J*, 27(12):4853-65, 2013. IF= 5.595
19. S. Paccosi, C Musilli, G. Mangano, A. Guglielmotti, A. Parenti. The monocyte chemotactic protein synthesis inhibitor bindarit prevents mesangial cell proliferation and extracellular matrix remodeling. *Pharmacol Res*. 66 (6):526-35.2012 IF= 4.897
20. C. Musilli, JP Karam, S. Paccosi, C. Muscari, A. Mugelli, C.N. Montero-Menei, A. Parenti. Active microcarriers for endothelial progenitor cell support and survival. *Eur J Pharm Biopharm*. 2012 Aug;81(3):609-16. Epub 2012 Apr 26 IF= 4.491
21. C. Musilli, S. Paccosi, L. Pala, G. Gerlini, F. Ledda, A. Mugelli, C. M. Rotella, A. Parenti. Characterization of circulating and monocyte-derived dendritic cells in obese and diabetic patients *Mol Immunol*. 2011 Oct;49(1-2):234-8. Epub 2011 Sep 21. IF= 3.188
22. G. Grassia, M. Maddaluno, C. Musilli, D. De Stefano, P. Di Meglio, A. Ianaro, P. Maffia, A. Parenti, A. Ialenti. The I κ B kinase inhibitor, NEMO-binding domain peptide, for inhibition of balloon injury-induced neointimal formation. *Arterioscler Thromb Vasc Biol*. 2010 Dec;30(12):2458-66. Epub 2010 Oct 7. IF= 6.086
23. G.Pasquinelli, MC Vinci, C. Gamberoni, C. Orrico Catia, L. Foroni, C. Guarnieri, A. Parenti, M. Gargiulo, F. Ledda, CM Calderara, C. Muscari. "Architectural organization and functional features of early endothelial progenitor cells cultured in a hyaluronan-based polymer scaffold" *Tissue Eng Part A*. 15(9):2751-62, 2009 IF= 3.508
24. L. Bellik, C. Musilli, MC Vinci, F. Ledda, A. Parenti. "Human mature endothelial cells modulate peripheral blood mononuclear cells differentiation toward an endothelial phenotype" *Exp Cell Res*. 2008 Oct 1;314(16):2965-74. Epub 2008 Jul 26. IF= 3.309
25. L. Bellik, A. Parenti, F. Ledda, V. Basile, G. Romano, F. Fusi, M. Monici. "Hypergravity effects on dendritic cell and vascular wall interactions" *Microgravity - Science and Technology*, 21: 145-150, 2008 IF= 1.357
26. De Donatis, G. Comito, F. Buricchi, M. C. Vinci, A. Parenti, A. Caselli, G. Camici, G. Manao, G. Ramponi, and P. Ciri. "Proliferation vs migration in PDGF signaling: The key role of endocytosis" *J Biol Chem*. 2008 Jul 18;283(29):19948-56. Epub 2008 May 21. IF= 4.011
27. G. Gerlini, G. Mariotti, A. Chiarugi, P. Di Gennaro, R. Caporale, A. Parenti, L. Cavone, A. Tun-Kyi, F. Prignano, R. Saccardi, L. Borgognoni and N. Pimpinelli. "Induction of CD83+ CD14+ non-dendritic antigen-presenting cells by exposure of monocytes to IFN- α 1" *J. Immunol*. 181(5): 2999-3008, 2008 IF= 4.539
28. MC Vinci, L. Bellik, S. Filippi, F. Ledda, A. Parenti. "Trophic effects induced by alpha-1d adrenoceptors on endothelial cells are potentiated by hypoxia" *Am J Physiol Heart Circ Physiol*. 2007 Oct;293(4):H2140-7. Epub 2007 Jul 27. IF= 3.569
29. M. Monici, V. Basile, L. Bellik, F. Fusi, N. Marziliano, A. Parenti, G. Romano, A. Conti. "Does the exposure to microgravity affect dendritic cells maturation from monocytes?" *Microgravity - Science and Technology*, 19(5-6):188-190, 2007 IF= 1.357
30. L. Bellik, G. Gerlini, A. Parenti, F. Ledda, N. Pimpinelli, B. Neri, D. Pantalone. "Role of conventional treatments on circulating and monocyte-derived dendritic cells in colorectal cancer" *Clin Immunol*. 2006 Oct;121(1):74-80. IF= 3.557
31. L Bellik, M. C. Vinci, S. Filippi, F. Ledda, A. Parenti. "Intracellular pathways triggered by the selective Flt-1-agonist Placental Growth Factor in vascular smooth muscle cells exposed to hypoxia" *Br. J. Pharmacol*, 146(4):568-75, 2005. IF= 6.810
32. L. Bellik, F. Ledda, A. Parenti. "Morphological and phenotypical characterization of human endothelial progenitor cells in an early stage of differentiation" *FEBS Lett*. 2005 May 9;579(12):2731-6. IF= 2.999
33. A. Parenti, L. Bellik, L. Brogelli, S. Filippi, Fabrizio Ledda. "Endogenous VEGF-A is responsible for the mitogenic effect of monocyte chemotactic protein-1 on vascular smooth muscle cells" *Am J Physiol Heart Circ Physiol*. 2004;286(5):H1978-84. Epub 2003 Dec23. IF= 3.569
34. A. Parenti, L. Brogelli, S. Filippi, S. Donnini, Fabrizio Ledda. "Effect of hypoxia and endothelial loss on vascular smooth muscle cell responsiveness to VEGF-A: role of flt-1/VEGFR-1" *Cardiovasc. Res.*, 55(1):201-12, 2002. IF= 6.290
35. L. Brogelli, A. Parenti, F. Ledda. "Inhibition of vascular smooth muscle cell growth by angiotensin type 2 receptor stimulation in an in vitro organ culture model" *J. Cardiovasc. Pharmacol.*, 39(5): 739-745, 2002. IF= 2.227
36. Parenti, L. Morbidelli, F. Ledda, Harris J. Granger, M. Ziche. "The bradykinin/B1 receptor promotes angiogenesis by upregulation of endogenous FGF-2 in endothelium via the nitric oxide synthase pathway" *FASEB J*, 15 (8):1487-1489, 2001. IF= 5.595
37. S. Filippi, A. Parenti, S. Donnini, H. J. Granger, A. Fazzini, F. Ledda. "Alpha-1D adrenoceptors cause endothelium-dependent vasodilatation in the rat mesenteric bed" *J. Pharmacol. Exp. Ther.*, 296: 869-875, 2001 IF= 3.706
38. A. Parenti, L. Brogelli, S. Donnini, M. Ziche, F. Ledda. "Angiotensin II potentiates the mitogenic effect of noradrenaline in vascular muscle cells: role of FGF-2" *Am. J. Physiol. (Heart Circ Physiol)* 280(1): H99-H107, 2001 IF= 3.569
39. G. Taraboletti, L. Morbidelli, S. Donnini, A. Parenti, H.J. Granger, R. Giavazzi, M. Ziche. "The heparin binding 25kDa fragment of thrombospondin-1 promotes angiogenesis and modulates gelatinases and TIMP-2 in endothelial cells" *FASEB J*, 14: 1674-1676, 2000. IF= 5.595
40. A. Parenti, X.-L. Cui, U. Hopfer, M. Ziche, J.G. Douglas. "Activation of MAPK in proximal tubule cells from spontaneously hypertensive and control Wistar-Kyoto rats" *Hypertension*, 35: 1160-1166, 2000. IF =6.823
41. A. Parenti, S. Filippi, S. Amerini, H.J. Granger, A. Fazzini, F. Ledda. "Inositol phosphate metabolism and Nitric oxide-synthase activity in endothelial cells are involved in the vasorelaxant activity of nebulivol" *J. Pharmacol. Exp. Ther.*, 292: 698-703, 2000. IF=3.706
42. G. Fibbi, E. Anichini, A. Zamperini, R. Caldini, M. Chevanne, M. Pucci, N. Schiavone, L. Morbidelli, A. Parenti, H.J. Granger, M. Del Rosso and M. Ziche. "Urokinase-dependent angiogenesis in vitro and diacyl glycerol production are blocked by antisense oligonucleotides against the urokinase receptor" *Lab. Invest.*, 78 (9): 1109-19, 1998. IF= 4.263
43. L. Morbidelli, A. Parenti, Giovannelli, L., Granger H.J., Ledda F., M. Ziche. "B1 receptor involvement in the effect of bradykinin on venular endothelial cell proliferation and potentiation of FGF-2 effects" *Br. J. Pharmacol.*, 124 (6): 1286-1292, 1998. IF= 6.810
44. A. Parenti, L. Morbidelli, X.L. Cui, J. G. Douglas, J. Hood, H.J. Granger, F. Ledda, M. Ziche. "Nitric oxide is an upstream signal for vascular endothelial growth factor-induced extracellular signal-regulated kinases1/2 activation in postcapillary endothelium" *J. Biol. Chem.*, 273 (7): 4220-4226, 1998. IF= 4.011

45. M. Ziche, S. Donnini, L. Morbidelli, A. Parenti, G. Gasparini, F. Ledda. "Linomide blocks angiogenesis by breast carcinoma vascular endothelial growth factor transfectants" *Br. J. Cancer*, 77 (7): 1123-1129, 1998. IF= 5.922
46. S. Amerini, S. Filippi, A. Parenti, F. Ledda, M.Ziche. "Vasorelaxant effects induced by the antiangiogenic drug linomide in aortic and saphenous vein preparations of the rabbit" *Br. J. Pharmacol.*, 122: 1739-1745, 1997
IF= 6.810
47. M. Ziche, A. Parenti, F.Ledda, P. Dell'Era, H.J. Granger, C.A. Maggi, M. Presta. "Nitric oxide promotes proliferation and plasminogen activator production by coronary venular endothelium through endogenous bFGF" *Circ. Res.*, 80: 845-852, 1997.
IF= 15.211
48. M. Ziche, G. Gasparini, R. Choudhuri, R.Bicknell, L. Morbidelli, A. Parenti, F. Ledda. "Antiangiogenic effect of Linomide on breast cancer VEGF transfectants" *Oncology Reports*, 4: 253-256, 1997.
IF=2.976
49. A. Parenti, S. Donnini, L. Morbidelli, HJ Granger, M. Ziche. "The effect of Linomide on the migration and proliferation of capillary endothelial cells elicited by vascular endothelial growth factor" *Br. J. Pharmacol.*, 119: 619-621, 1996
IF=6.810
50. M. Ziche, A. Parenti, S. Amerini, D. Zawieja, C.A. Maggi, F. Ledda. "Effect of the non-peptide blocker (\pm)CP 96,345 on the cellular mechanism involved in the response to NK1 receptor stimulation in human skin fibroblasts" *Neuropeptides*, 30 (4): 345-354, 1996.
IF= 2.915
51. S. Amerini, S. Filippi, A. Parenti, M. Ziche, F. Ledda. "Thapsigargin inhibits the vasorelaxant responses to acetylcholine but does not interfere with the responses to endothelium-independent agents" *J. Cardiovasc. Pharmacol.*, 28 (1):82-88, 1996.
IF= 2.227
52. A. Parenti, S. Amerini, F. Ledda, C.A. Maggi, M. Ziche. "The Thachykinin NK-1 receptor mediates the migration-promoting effect of substance P on human skin fibroblasts in culture" *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 353: 475, 481, 1996.
IF=2.238
53. Santicoli, L. Morbidelli, A. Parenti, M. Ziche, C.A. Maggi. "CGRP selectively increases cAMP levels in the guinea-pig ureter" *Eur. J. Pharmacol. (Mol. Pharmacol.)*, 289 (1): 17-21, 1995
IF= 3.040
54. P.A. Bernabei, R. Fanci, S. Salti, S. Nicolai, A. Parenti, P. Rossi Ferrini. "Effect of anesthesia and surgery on phagocytic and candidicidal activity of polymorphonuclear cells" *Hematol. Rev.* 7: 147-152, 1993
(IF not listed)
55. M. Ziche, L. Morbidelli, A. Parenti, S. Amerini, H.J. Granger, C. A. Maggi. "Substance P increase cyclic GMP levels on coronary post capillary venular endothelial cells" *Life Sci.* 53 (14): PL 229-234, 1993 IF= 3.234
56. S. Brunelleschi, A. Parenti, E. Ceni, P. A. Giotti, R. Fantozzi. "Enhanced responsiveness of ovalbumin-sensitized guinea-pig alveolar macrophages to tachykinins" *Br. J. Pharmacol.* 107: 964-969, 1992 IF= 6.810
57. S. Brunelleschi, A. Parenti, S. Tari, P. Ceccatelli, R. Fantozzi. "Neuropeptidergic modulation of phagocytes activity" *J. Chemother.* 3 (sup 3): 14-16, 1991 IF= 1.490
58. R. Fantozzi, A. Muzzolini, S. Brunelleschi, A. Parenti, A. Giotti. "Synergism between PAF and FMLP in evoking superoxide anion production from human neutrophils: modulation by α_2 -adrenergic agonist". *J. Chemother.* 3 (sup.3): 17-20, 1991 IF= 1.490

ORCID: 0000-0002-7980-6853

abstracts published in International Journal (IF): 53

Total citations: 1849; *H-index*: 22 (SCOPUS)

REVIEWER EDITOR FOR:

FRONTIERS IN PHARMACOLOGY

FRONTIERS in Physiology - Vascular Physiology