

PERSONAL INFORMATION

ASTRID PARENTI



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ORCID: [0000-0002-7980-6853](https://orcid.org/0000-0002-7980-6853)

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

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| 1984 | Graduated from high school (Liceo Classico, score: 50/60) |
| 1990 | Master 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

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| 2002 | <u>Premio Farindustria</u> per ricerche Farmacologiche. Parenti et al . 2001, <i>Am. J. Physiol.</i> , 280(1): H99-H107 |
| 2011 | Co-Autor <u>Premio Farindustria</u> Grassia et al. <i>Arterioscler Thromb Vasc Biol.</i> 2010, 30(12):2458-66 |
| 1998 | Post-Doc award (Area e Settore 05E07X Farmacologia); Reaearch "Characterization of cellular 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)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	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 LAST 10 YEARS

- Cecchi M, Mannini M, Lapucci A, Silvano A, Lulli M, Luceri C, D'Ambrosio M, Chiarugi A, Eid A. H, **Parenti A.** Dexamethasone promotes a stem-like phenotype in human melanoma cells via tryptophan 2,3 dioxxygenase. *Frontiers in Pharmacology* 2022, accepted. IF= 5.810
- Shaito A, Aramouni K, Assaf R, **Parenti A.** Orekhov A, Yazbi HE, Pintus G, Eid AH. Oxidative Stress-induced Endothelial Dysfunction in Cardiovascular Diseases. *Frontiers in Bioscience-Landmark*, 27(3): 105, 2022. IF= 3.736
- Silvano A, Seravalli V, Strambi N, Cecchi M, Tartarotti E, **Parenti A.** Di Tommaso M. Tryptophan metabolism and immune regulation in the human placenta. *J Reprod Immunol*, 2;147:10336, 2021 IF= 4.054
- Lionetti V, Bollini S, Coppini R, Gerbino A, Ghigo A, Iaccarino G, Madonna R, Mangiacapra F, Miragoli M, Moccia F, Munaron L, Pagliaro P, **Parenti A.** Pasqua T, Penna C, Quaini F, Rocca C, Samaja M, Sartiani L, Soda T, Tocchetti CG, Angelone T. Understanding the Heart-Brain Axis Response in COVID-19 patients a Suggestive Perspective for Therapeutic Development. *Pharmacol Res*, 168:105581, 2021 IF= 7.658
- Nobili S, Mannini A, **Parenti A.** Raggi C, Lapucci A, Chiorino G, Paccosi S, Di Gennaro P, Romagnoli P, Susini T, Coronello M. Establishment and characterization of a new spontaneously immortalized ER-/PR-/HER2+ human breast cancer cell line, DHSF-BR16. *Scientific Reports*, 11(1):8340, 2021. IF= 4.379
- Cecchi M, Paccosi S, Silvano A, Eid A H, **Parenti A.** Dexamethasone induces the expression and function of tryptophan-2-3-dioxygenase in SK-MEL-28 melanoma cells. *Pharmaceuticals*, 2021, 14(3), 211; <https://doi.org/10.3390/ph14030211> IF= 5.863
- Eid H Ali, **Parenti A.** Vascular Inflammation: Players and Modulators. Editorials. *Curr Pharm Des*, 27(18):2097-2098, 2021 IF= 3.116
- Paccosi S, Pala L, Cresci B, Silvano A, Cecchi M, Caporale R, Rotella CM, **Parenti A.** Insulin resistance and obesity affect monocyte-derived dendritic cell phenotype and function. *Diab Res Clin Pract*, 170:108528, 2020 IF= 5.602
- Di Paola M, Seravalli V, Paccosi S, Linari C, **Parenti A.** De Filippo C, Tanturli M, Vitali F, Torcia MC*, Di Tommaso M. Identification of vaginal microbial communities associated with extreme cervical shortening in pregnant women. *J Clin Med*, 9(11):3621, 2020 IF= 4.241
- Paccosi S., Cecchi M., Silvano A., Fabbri S., **A. Parenti.** Different effects of tryptophan 2,3-dioxygenase inhibition on sk-mel-28 and hct-8 cancer cell lines. *J Cancer res Clin Oncology*, 146(12):3155-3163, 2020. IF= 4.553
- Paccosi S, Cresci B, Pala L, Rotella CM, **Parenti A.** Obesity Therapy: How and Why? *Curr Med Chem*. 2020;27(2):174-186. IF= 4.530
- Sisti, G, Paccosi, S, **Parenti, A.** Seravalli, V, Linari, C, Di Tommaso, M, Witkin, S (2020). Pro-inflammatory mediators in vaginal fluid and short cervical length in pregnancy. *Bratislavské Lekárske Listy*;121:278-281, 2020 IF= 1.278
- 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.* 300(3):583-587, 2019 IF= 2.344
- 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= 3.886
- G. Sisti, M. Di Tommaso, S. Paccosi, **A. Parenti,** V. Seravalli, R. Cuzzola, S S Witkin. Unique Associations between Insulin-Like Growth Factor Binding Protein-1, Insulin-Like Growth Factor-1 and T Cell Immunoglobulin Mucin 3 in Successful Twin Pregnancies Conceived with Donor Oocytes. *Medicina (Kaunas)* 16;55(5):144, 2019. IF= 1.205
- S. Paccosi, **A. Parenti.** Leukocyte-independent effects of cc-chemokines on vascular remodelling. *Curr Pharm Biotechnol*. 19(9):715-727, 2018 IF= 2.837
- 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
IF= 2.398
18. 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= 5.307
 19. Clemente AM, Castronovo G, Antonelli A, D'Andrea MM, Tanturli M, Perissi E, Paccosi S, **Parenti A**, Cozzolino F, Rossolini GM, Torcia MG. 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= 3.24
 20. **A. Parenti**, 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= 3.116
 21. Castronovo G, Clemente AM, Antonelli A, D'Andrea MM, Tanturli M, Perissi E, Paccosi S, **Parenti A**, Cozzolino F, Rossolini GM, Torcia MG Differences in Inflammatory Response Induced by Two Representatives of Clades of the Pandemic ST258 *Klebsiella pneumoniae* Clonal Lineage Producing KPC-Type Carbapenemases. *PLoS One*. 2017 Jan 12;12(1):e0170125
IF= 3.24
 22. 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= 4.932
 23. **A. Parenti**, B. Indorato, S. Paccosi. Minocycline affects human neutrophil respiratory burst and transendothelial migration. *Inflamm Res.*, 66(2):107-109, 2016
IF= 4.575
 24. 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= 3,861
 25. 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= 5.858
 26. 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= 4.452
 27. **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= 8.739
 28. **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= 2.719
 29. 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= 3.105
 30. 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= 3.240
 31. 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. Piero, S. Eaton, P. De Coppi. Human amniotic fluid stem cell differentiation along smooth muscle lineage. *FASEB J*, 27(12):4853-65, 2013.
IF= 5.191
 32. 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= 7.658
 33. 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= 5.571
 34. 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= 4.407

Total peer rev publications in International Journals: 76

abstracts published in International Journal (IF): 55

Tola citations: 2232; H-index: 25 (SCOPUS)

ASSOCIATE EDITOR for:

FRONTIERS IN PHARMACOLOGY - Cardiovascular and Smooth Muscle Pharmacology

REVIEWER EDITOR for:

FRONTIERS IN PHARMACOLOGY- Inflammation Pharmacology

FRONTIERS IN PHYSIOLOGY - Vascular Physiology

FRONTIERS IN PHARMACOLOGY - Cardiovascular and Smooth Muscle Pharmacology

FRONTIERS IN CARDIOVASCULAR MEDICINE - Cardiovascular Biologics and Regenerative Medicine

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