PERSONAL BIBLIOGRAPHY

She is author of 61 peer-reviewed papers (8 as 1st author, 12 as last author, 13 as corresponding author), 4 chapters for books, 2 international patent applications (one patent was sold to Sentinel Diagnostics, http://www.sentinel.it/it/) and several international and national communications to congresses.

Bibliometric indicators (at 20st April 2020):
TOTAL IF = 290.786;
TOTAL H INDEX = SCOPUS: 26; GOOGLE SCHOLAR: 30;
TOTAL CITATIONS: SCOPUS: 2523; GOOGLE SCHOLAR: 3335.

Peer-reviewed publications

1. **Pasca MR**, Guglierame P, Arcesi F, Bellinzoni M, De Rossi E, Riccardi G. Rv2686c-Rv2687c-Rv2688c, an ABC fluoroquinolone efflux pump in *Mycobacterium tuberculosis*. Antimicrob Agents Chemother. 2004. 48:3175-8 (IF=4.505).
2. Federici F, Vitali B, Gotti R, **Pasca MR**, Gobbi S, Peck AB, Brigidi P. Characterization and heterologous expression of the oxalyl coenzyme A decarboxylase gene from *Bifidobacterium lactis*. Appl Environ Microbiol. 2004. 70:5066-73 (IF=4.272).
3. Bellinzoni M, Buroni S, **Pasca MR**, Guglierame P, Arcesi F, De Rossi E, Riccardi G. Glutamine amidotransferase activity of NAD^+ synthetase from *Mycobacterium tuberculosis* depends on an amino-terminal nitrilase domain. Res Microbiol. 2005. 156:173-7 (IF=2.489).
4. **Pasca MR**, Guglierame P, De Rossi E, Zara F, Riccardi G. *mmpL7* gene of *Mycobacterium tuberculosis* is responsible for isoniazid efflux in *Mycobacterium smegmatis*. Antimicrob Agents Chemother. 2005. 49:4775-7 (IF=4.505).
5. Guglierame P*, **Pasca MR***, De Rossi E, Buroni S, Arrigo P, Manina G, Riccardi G. Efflux pump genes of the resistance-nodulation-division family in *Burkholderia cenocepacia* genome. BMC Microbiol. 2006. 6:66 (*Contributed equally) (IF=3.066).
6. Buroni S, Manina G, Guglierame P, **Pasca MR**, Riccardi G, De Rossi E. LfrR is a repressor that regulates expression of the efflux pump LfrA in *Mycobacterium smegmatis*. Antimicrob Agents Chemother. 2006. 50:4044-52 (IF=4.505).
7. Maciag A, Dainese E, Rodriguez GM, Milano A, Provvedi R, **Pasca MR**, Smith I, Palù G, Riccardi G, Manganelli R. Global analysis of the *Mycobacterium tuberculosis* Zur (FurB) regulon. J Bacteriol. 2007. 189:730-40 (IF=2.837).
8. Riccardi G, Milano A, **Pasca MR**, Nies DH. Genomic analysis of zinc homeostasis in *Mycobacterium tuberculosis*. FEMS Microbiol Lett. 2008. 287:1-7 (IF=2.096).
9. Milano A*, **Pasca MR***, Provvedi R, Lucarelli AP, Manina G, Ribeiro AL, Manganelli R, Riccardi G. Azole resistance in *Mycobacterium tuberculosis* is mediated by the MmpS5-MmpL5 efflux system. Tuberculosis (Edinb). 2009. 89:84-90 (*Contributed equally) (IF=2.933).
10. Makarov V, Manina G, Mikusova K, Möllmann U, Ryabova O, Saint-Joanis B, Dhar N, **Pasca MR**, Buroni S, Lucarelli AP, Milano A, De Rossi E, Belanova M, Bobovska A, Dianiskova P, Kordulakova J, Sala C, Fullam E, Schneider P, McKinney JD, Brodin P, Christophe T, Waddell S, Butcher P, Albrethsen J, Rosenkrands I, Brosch R, Nandi V, Bharath S, Gaonkar S, Shandil RK, Balasubramanian V, Balganesh T, Tyagi S, Grosset J, Riccardi G, Cole ST. Benzothiazinones kill *Mycobacterium tuberculosis* by blocking arabinan synthesis. Science. 2009. 324:801-4 (IF=40.627).
11. Riccardi G, **Pasca MR**, Buroni S. *Mycobacterium tuberculosis*: drug resistance and future perspectives. Future Microbiol. 2009. 4:597-614 (IF=4.037).
12. Dalla Valle C, **Pasca MR**, De Vitis D, Marzani FC, Emmi V, Marone P. Control of MRSA infection and colonisation in an intensive care unit by GeneOhm MRSA assay and culture methods. BMC Infect Dis. 2009. 9:137 (IF=2.949).
13. Buroni S, **Pasca MR**, Flannagan RS, Bazzini S, Milano A, Bertani I, Venturi V, Valvano MA, Riccardi G. Assessment of three Resistance-Nodulation-Cell Division drug efflux transporters of *Burkholderia cenocepacia* in intrinsic antibiotic resistance. BMC Microbiol. 2009. 9:200 (IF=3.066).

14. **Pasca MR**§, Degiacomi G, Ribeiro AL, Zara F, De Mori P, Heym B, Mirrione M, Brerra R, Pagani L, Pucillo L, Troupioti P, Makarov V, Cole ST, Riccardi G. Clinical isolates of *Mycobacterium tuberculosis* in four European hospitals are uniformly susceptible to benzothiazinones. Antimicrob Agents Chemother. 2010. 54:1616-8 (§ Corresponding author) (IF=4.505).
15. Perrin E, Fondi M, Papaleo MC, Maida I, Buroni S, **Pasca MR**, Riccardi G, Fani R. Exploring the HME and HAE1 efflux systems in the genus *Burkholderia*. BMC Evol Biol. 2010. 10:164 (IF=3.628).
16. Manina G*, Bellinzoni M*, **Pasca MR***, Neres J, Milano A, Ribeiro AL, Buroni S, Skovierová H, Dianišková P, Mikušová K, Marák J, Makarov V, Giganti D, Haouz A, Lucarelli AP, Degiacomi G, Piazza A, Chiarelli LR, De Rossi E, Salina E, Cole ST, Alzari PM, Riccardi G. Biological and structural characterization of the *Mycobacterium smegmatis* nitroreductase NfnB, and its role in benzothiazinone resistance. Mol Microbiol. 2010. 77:1172-85 (*Contributed equally) (IF=4.032).
17. Manina G, **Pasca MR**, Buroni S, De Rossi E, Riccardi G. Decaprenylphosphoryl-β-D-ribose 2'-epimerase from *Mycobacterium tuberculosis* is a magic drug target. Curr Med Chem. 2010. 17:3099-108 (IF=3.519).
18. Lucarelli AP, Buroni S, **Pasca MR**, Rizzi M, Cavagnino A, Valentini G, Riccardi G, Chiarelli LR. *Mycobacterium tuberculosis* phosphoribosylpyrophosphate synthetase: biochemical features of a crucial enzyme for mycobacterial cell wall biosynthesis. PLoS One. 2010. 5:e15494 (IF=3.352).
19. Bazzini S, Udine C, Sass A, **Pasca MR**, Longo F, Emiliani G, Fondi M, Perrin E, Decorosi F, Viti C, Giovannetti L, Leoni L, Fani R, Riccardi G, Mahenthiralingam E, Buroni S. Deciphering the role of RND efflux transporters in *Burkholderia cenocepacia*. PLoS One. 2011. 6:e18902 (IF=3.352).
20. **Pasca MR**§, Dalla Valle C, De Jesus Lopes Ribeiro AL, Buroni S, Papaleo MC, Bazzini S, Udine C, Incandela ML, Daffara S, Fani R, Riccardi G, Marone P. Evaluation of fluoroquinolone resistance mechanisms in *Pseudomonas aeruginosa* multidrug resistance clinical isolates. Microb Drug Resist. 2012. 18:23-32 (§Corresponding author) (IF=2.442).
21. Menendez C, Gau S, Lherbet C, Rodriguez F, Inard C, **Pasca MR**, Baltas M. Synthesis and biological activities of triazole derivatives as inhibitors of InhA and antituberculosis agents. Eur J Med Chem. 2011. 46:5524-31 (IF=4.527).
22. La Rosa V, Poce G, Canseco JO, Buroni S, **Pasca MR**, Biava M, Raju RM, Porretta GC, Alfonso S, Battilocchio C, Javid B, Sorrentino F, Ioerger TR, Sacchettini JC, Manetti F, Botta M, De Logu A, Rubin EJ, De Rossi E. MmpL3 is the cellular target of the antitubercular pyrrole derivative BM212. Antimicrob Agents Chemother. 2012. 56:324-31 (IF=4.505).
23. Ribeiro AL, Degiacomi G, Ewann F, Buroni S, Incandela ML, Chiarelli LR, Mori G, Kim J, Contreras-Dominguez M, Park YS, Han SJ, Brodin P, Valentini G, Rizzi M, Riccardi G, **Pasca MR**§. Analogous mechanisms of resistance to benzothiazinones and dinitrobenzamides in *Mycobacterium smegmatis*. PLoS One. 2011. 6:e2667 (§ Corresponding author) (IF=3.352).
24. Trefzer C, Škovierová H, Buroni S, Bobovská A, Nenci S, Molteni E, Pojer F, **Pasca MR**, Makarov V, Cole ST, Riccardi G, Mikušová K, Johnsson K. Benzothiazinones are suicide inhibitors of mycobacterial decaprenylphosphoryl-β-D-ribofuranose 2'-oxidase DprE1. J Am Chem Soc. 2012. 134:912-5 (IF=13.613).
25. Menendez C, Chollet A, Rodriguez F, Inard C, **Pasca MR**, Lherbet C, Baltas M. Chemical synthesis and biological evaluation of triazole derivatives as inhibitors of InhA and antituberculosis agents. Eur J Med Chem. 2012. 52:275-83 (IF=4.527).
26. Neres J, Pojer F, Molteni E, Chiarelli LR, Dhar N, Boy-Röttger S, Buroni S, Fullam E, Degiacomi G, Lucarelli AP, Read RJ, Zanoni G, Edmondson DE, De Rossi E, **Pasca MR**, McKinney JD, Dyson PJ, Riccardi G, Mattevi A, Cole ST, Binda C. Structural basis for benzothiazinone-mediated killing of *Mycobacterium tuberculosis*. Sci Transl Med. 2012. 4:150ra121(IF=18.615).
27. Udine C, Brackman G, Bazzini S, Buroni S, Van Acker H, **Pasca MR**, Riccardi G, Coenye T. Phenotypic and genotypic characterisation of *Burkholderia cenocepacia* J2315 mutants affected in homoserine lactone and diffusible signal factor-based quorum sensing systems suggests interplay between both types of systems. PLoS One. 2013. 8:e55112 (IF=3.352).
28. Poce G, Bates RH, Alfonso S, Cocozza M, Porretta GC, Ballell L, Rullas J, Ortega F, De Logu A, Agus E, La Rosa V, **Pasca MR**, De Rossi E, Wae B, Franzblau SG, Manetti F, Botta M, Biava M. Improved BM212 MmpL3 inhibitor analogue shows efficacy in acute murine model of tuberculosis infection. PLoS One. 2013. 8:e56980 (IF=3.352).

29. Perrin E, Fondi M, Papaleo MC, Maida I, Emiliani G, Buroni S, **Pasca MR**, Riccardi G, Fani R. A census of RND superfamily proteins in the *Burkholderia* genus. Future Microbiol. 2013. 8:923-37 (IF=4.037).
30. Menendez C, Rodriguez F, Ribeiro AL, Zara F, Frongia C, Lobjois V, Saffon N, **Pasca MR**, Lherbet C, Baltas M. Synthesis and evaluation of α-ketotriazoles and α,β-diketotriazoles as inhibitors of *Mycobacterium tuberculosis*. Eur J Med Chem. 2013. 69:167-73 (IF=4.527).
31. Incandela ML, Perrin E, Fondi M, de Jesus Lopes Ribeiro AL, Mori G, Moiana A, Gramegna M, Fani R, Riccardi G, **Pasca MR**§. DprE1, a new taxonomic marker in mycobacteria. FEMS Microbiol Lett. 2013. 348:66-73 (§ Corresponding author) (IF=2.096).
32. Riccardi G, **Pasca MR**, Chiarelli LR, Manina G, Mattevi A, Binda C. The DprE1 enzyme, one of the most vulnerable targets of *Mycobacterium tuberculosis*. Appl Microbiol Biotechnol. 2013. 97:8841-8 (IF=3.602).
33. Matviiuk T, Rodriguez F, Saffon N, Mallet-Ladeira S, Gorichko M, de Jesus Lopes Ribeiro AL, **Pasca MR**, Lherbet C, Voitenko Z, Baltas M. Design, chemical synthesis of 3-(9H-fluoren-9-yl)pyrrolidine-2,5-dione derivatives and biological activity against enoyl-ACP reductase (InhA) and *Mycobacterium tuberculosis*. Eur J Med Chem. 2013. 70:37-48 (IF=4.527).
34. Matviiuk T, Mori G, Lherbet C, Rodriguez F, **Pasca MR**, Gorichko M, Guidetti B, Voitenko Z, Baltas M. Synthesis of 3-heteryl substituted pyrrolidine-2,5-diones via catalytic Michael reaction and evaluation of their inhibitory activity against InhA and *Mycobacterium tuberculosis*. Eur J Med Chem. 2014. 71:46-52 (IF=4.527).
35. Naik M, Humnabadkar V, Tantry SJ, Panda M, Narayan A, Guptha S, Panduga V, Manjrekar P, Jena LK, Koushik K, Shanbhag G, Jatheendranath S, Manjunatha MR, Gorai G, Bathula C, Rudrapatna S, Achar V, Sharma S, Ambady A, Hegde N, Mahadevaswamy J, Kaur P, Sambandamurthy VK, Awasthy D, Narayan C, Ravishankar S, Madhavapeddi P, Reddy J, Prabhakar K, Saralaya R, Chatterji M, Whiteaker J, McLaughlin B, Chiarelli LR, Riccardi G, **Pasca MR**, Binda C, Neres J, Dhar N, Signorino-Gelo F, McKinney JD, Ramachandran V, Shandil R, Tommasi R, Iyer PS, Narayanan S, Hosagrahara V, Kavanagh S, Dinesh N, Ghorpade SR. 4-aminoquinolone piperidine amides: noncovalent inhibitors of DprE1 with long residence time and potent antimycobacterial activity. J Med Chem. 2014. 57:5419-34 (IF=5.9).
36. Albesa-Jové D*, Chiarelli LR*, Makarov V*, **Pasca MR***, Urresti S, Mori G, Salina E, Vocat A, Comino N, Mohorko E, Ryabova S, Pfieiffer B, Lopes Ribeiro AL, Rodrigo-Unzueta A, Tersa M, Zanoni G, Buroni S, Altmann KH, Hartkoorn RC, Glockshuber R, Cole ST, Riccardi G, Guerin ME. Rv2466c mediates the activation of TP053 to kill replicating and non-replicating *Mycobacterium tuberculosis*. ACS Chem Biol. 2014. 9:1567-75 (*Contributed equally) (IF=4.794).
37. Riccardi G, **Pasca MR**. Trends in discovery of new drugs for tuberculosis therapy. J Antibiot (Tokyo). 2014. 67:655-9 (IF=2.270).
38. Buroni S, Matthijs N, Spadaro F, Van Acker H, Scoffone VC, **Pasca MR**, Riccardi G, Coenye T. Differential role of RND efflux pumps in antimicrobial drug resistance of sessile and planktonic *Burkholderia cenocepacia* cells. Antimicrob Agents Chemother. 2014. 58:7424-9 (IF=4.505).
39. Neres J, Hartkoorn R, Chiarelli L, Gadupudi R, **Pasca MR**, Mori G, Farina D, Savina S, Makarov V, Kolly G, Molteni E, Binda C, Dhar N, Ferrari S, Brodin P, Delorme V, Landry V, Ribeiro AL, Venturelli A, Saxena P, Pojer F, Carta A, Luciani R, Porta A, Zanoni G, de Rossi E, Costi MP, Riccardi G, Cole ST. 2-Carboxyquinoxalines kill *Mycobacterium tuberculosis* through non-covalent inhibition of DprE1. ACS Chem Biol. 2015.10:705-14. (IF=4.794).
40. Perdigão G, Deraeve C, Mori G, **Pasca MR**, Pratviel G, Bernardes-Génisson V. 2015. Pyridine-3,4-dicarboximide as starting material for the total synthesis of the natural product eupolauramine and its isomer iso-eupolauramine endowed with anti-tubercular activities. Tetrahedron. 2015. 71:1555-1559 (IF=2.255).
41. Mori G, Chiarelli LR, Esposito M, Makarov V, Bellinzoni M, Hartkoorn RC, Degiacomi G, Boldrin F, Ekins S, de Jesus Lopes Ribeiro AL, Marino LB, Centárová I, Svetlíková Z, Blaško J, Kazakova E, Lepioshkin A, Barilone N, Zanoni G, Porta A, Fondi M, Fani R, Baulard AR, Mikušová K, Alzari PM, Manganelli R, de Carvalho LP, Riccardi G, Cole ST, **Pasca MR**§. Thiophenecarboxamide derivatives activated by EthA kill *Mycobacterium tuberculosis* by inhibiting the CTP synthetase PyrG. Chem Biol. 2015. 23;22(7):917-27 (§Corresponding author) (IF=7.005).

42. Chollet A, Mori G, Menendez C, Rodriguez F, Fabing I, **Pasca MR**, Madacki J, Kordulakova J, Constant P, Quémard A, Bernardes-Génisson V, Lherbet C, Baltas M. Design, synthesis and evaluation of new GEQ derivatives as inhibitors of InhA enzyme and *Mycobacterium tuberculosis* growth. Eur J Med Chem. 2015. 101:218-35. (IF=4.527).
43. Albesa-Jové D, Comino N, Tersa M, Mohorko E, Urresti S, Dainese E, Chiarelli LR, **Pasca MR**, Manganelli R, Makarov V, Riccardi G, Svergun DI, Glockshuber R, Guerin ME. The Redox State Regulates the Conformation of Rv2466c to Activate the Antitubercular Prodrug TP053. J Biol Chem. 2015. 290:31077-89. (IF=4.254).
44. Veau D, Krykun S, Mori G, Orena BS, **Pasca MR**, Frongia C, Lobjois V, Chassaing S, Lherbet C, Baltas M. Triazolophthalazines: Easily Accessible Compounds with Potent Antitubercular Activity. ChemMedChem. 2016. 11:1078-89. (IF= 2.931).
45. Meneghetti F, Villa S, Gelain A, Barlocco D, Chiarelli LR, **Pasca MR**, Costantino L. Iron acquisition pathways as targets for antitubercular drugs. Curr Med Chem. 2016. 23:4009-4026 (IF= 3.519).
46. Chollet A, Stigliani JL, **Pasca MR**, Mori G, Lherbet C, Constant P, Quémard A, Bernadou J, Pratviel G, Bernardes-Génisson V. Evaluation of the inhibitory activity of (aza)isoindolinone-type compounds: toward in vitro InhA action, *Mycobacterium tuberculosis* growth and mycolic acid biosynthesis. Chem Biol Drug Des. 2016. 88:740-755. (IF= 2.404)
47. Matviiuk T, Madacki J, Mori G, Orena BS, Menendez C, Kysil A, André-Barrès C, Rodriguez F, Korduláková J, Mallet-Ladeira S, Voitenko Z, **Pasca MR**, Lherbet C, Baltas M. Pyrrolidinone and pyrrolidine derivatives: Evaluation as inhibitors of InhA and *Mycobacterium tuberculosis*. Eur J Med Chem. 2016. 123:462-475 (IF=4.527).
48. Chiarelli LR, Mori G, Esposito M, Orena BS, **Pasca MR**[§]. New and old hot drug targets in tuberculosis. Curr Med Chem. 2016. 23:3813-3846. ([§]Corresponding author) (IF= 3.519).
49. Mori G, Chiarelli LR, Riccardi G, **Pasca MR**[§]. New prodrugs against tuberculosis. Drug Discov Today. 2017. 22:519-525. ([§]Corresponding author) (IF= 6.536).
50. Esposito M, Szadocka S, Degiacomi G, Orena BS, Mori G, Piano V, Boldrin F, Zemanová J, Huszár S, Barros D, Ekins S, Lelièvre J, Manganelli R, Mattevi A, **Pasca MR**, Riccardi G, Ballell L, Mikušová K, Chiarelli LR. A Phenotypic Based Target Screening Approach Delivers New Antitubercular CTP Synthetase Inhibitors. ACS Infect Dis. 2017. 3:428-437 (IF= 4.325).
51. Oliveira PFM, Guidetti B, Chamayou A, André-Barrès C, Madacki J, Korduláková J, Mori G, Orena BS, Chiarelli LR, **Pasca MR**[§], Lherbet C, Carayon C, Massou S, Baron M, Baltas M. Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. Molecules. 2017. 22(9). pii: E1457 ([§]Corresponding author) (IF= 3.268).
52. Chiarelli LR, Mori G, Orena BS, Esposito M, Lane T, de Jesus Lopes Ribeiro AL, Degiacomi G, Zemanová J, Szádocka S, Huszár S, Palčeková Z, Manfredi M, Gosetti F, Lelièvre J, Ballell L, Kazakova E, Makarov V, Marengo E, Mikusova K, Cole ST, Riccardi G, Ekins S, **Pasca MR**[§]. A multitarget approach to drug discovery inhibiting *Mycobacterium tuberculosis* PyrG and PanK. Sci Rep. 2018. 8(1):3187 ([§]Corresponding author) (IF= 4.609).
53. Mori G, Rampelli S, Orena BS, Rengucci C, De Maio G, Barbieri G, Passardi A, Casadei Gardini A, Frassineti GL, Gaiarsa S, Albertini AM, Ranzani GN, Calistri D, **Pasca MR**[§]. Shifts of Faecal Microbiota During Sporadic Colorectal Carcinogenesis. Sci Rep. 2018. 8(1):10329 ([§]Corresponding author) (IF= 4.609).
54. Mori G, Orena BS, Franch C, Mitchenall LA, Godbole AA, Rodrigues L, Aguilar-Pérez C, Zemanová J, Huszár S, Forbak M, Lane TR, Sabbah M, Deboosere N, Frita R, Vandeputte A, Hoffmann E, Russo R, Connell N, Veilleux C, Jha RK, Kumar P, Freundlich JS, Brodin P, Aínsa JA, Nagaraja V, Maxwell A, Mikušová K, **Pasca MR**, Ekins S. The EU approved antimalarial pyronaridine shows antitubercular activity and synergy with rifampicin, targeting RNA polymerase. Tuberculosis (Edinb). 2018. 112:98-109 (IF= 2.933).
55. Meta E, Brullo C, Tonelli M, Franzblau SG, Wang Y, Ma R, Baojie W, Orena BS, **Pasca MR**, Bruno O. Pyrazole and imidazo[1,2-b]pyrazole derivatives as new potential anti-tuberculosis agents. Med Chem. 2019. 15:17-27 (IF= 1.930).
56. Mori G, Orena BS, Cultrera I, Barbieri G, Albertini AM, Ranzani GN, Carnevali I, Tibiletti MG**, Pasca MR**. Gut Microbiota Analysis in Postoperative Lynch Syndrome Patients. Front Microbiol. 2019;10:1746 (IF= 4.259).

57. Chiarelli LR, Salina EG, Mori G, Azhikina T, Riabova O, Lepioshkin A, Grigorov A, Forbak M, Madacki J, Orena BS, Manfredi M, Gosetti F, Buzzi A, Degiacomi G, Sammartino JC, Marengo E, Korduláková J, Riccardi G, Mikušová K, Makarov V, **Pasca MR**[§]. New insights into the mechanism of action of the thienopyrimidine antitubercular prodrug TP053. ACS Infect Dis.In press ([§]Corresponding author) (IF=4.911).
58. Degiacomi G, Sammartino JC, Chiarelli LR, Riabova O, Makarov V, **Pasca MR**[§]. *Mycobacterium abscessus*, an Emerging and Worrisome Pathogen among Cystic Fibrosis Patients. Int J Mol Sci. 2019;20(23). pii: E5868. ([§]Corresponding author) (IF=4.183).
59. Rodriguez F, Saffon N, Sammartino JC, Degiacomi G, **Pasca MR**, Lherbet C. First triclosan-based macrocyclic inhibitors of InhA enzyme. Bioorg Chem. 2020;95:103498. (IF=3.926)
60. Degiacomi G, Belardinelli JM, **Pasca MR**, De Rossi E, Riccardi G, Chiarelli L. Promiscuous Targets for Antitubercular Drug Discovery: The Paradigm of DprE1 and MmpL3. Appl Sci. 2020; 10:623. (IF=2.217)
61. Mori G, Orena BS, Chiarelli LC, Degiacomi G, Riabova O, Sammartino JC, Makarov V, Riccardi G, **Pasca MR**[§]. Rv0579 is involved in the resistance to the TP053 antitubercular prodrug. Front Microbiol. 2020;11:292. (IF= 4.259).

International patents

1. Riccardi G, Manina G, **Pasca MR**. 2008. "An effective new drug target for the treatment of tuberculosis" (PCT/EP2008/001088) (Sold to Sentinel Diagnostics, http://www.sentinel.it/it/).
2. Riccardi G, Manina G, **Pasca MR**. 2008. "Nitroreductase NfnB from *Mycobacterium smegmatis*" (PCT/EP2008/009231).