

- 1: Rämö P, Drewek A, Arrieumerlou C, Beerewinkel N, Ben-Tekaya H, Cardel B, Casanova A, Conde-Alvarez R, Cossart P, Csúcs G, Eicher S, Emmenlauer M, Greber U, Hardt W, Helenius A, Kasper C, Kaufmann A, Kreibich S, Kühbacher A, Kunszt P, Low SH, Mercer J, Mudrak D, Muntwiler S, Pelkmans L, Pizarro-Cerdá J, Podvinec M, Pujadas E, Rinn B, Rouilly V, Schmich F, Siebourg-Polster J, Snijder B, Stebler M, Studer G, Szczurek E, Truttmann M, von Mering C, Vonderheide A, Yakimovich A, Bühlmann P, Dehio C. Simultaneous analysis of large-scale RNAi screens for pathogen entry. *BMC Genomics*. 2014 Dec 22;15(1):1162. [Epub ahead of print] PubMed PMID: 25534632.
- 2: Misra SK, Moussan Désirée Aké F, Wu Z, Milohanic E, Cao TN, Cossart P, Deutscher J, Monnet V, Archambaud C, Henry C. Quantitative Proteome Analyses Identify PrfA-Responsive Proteins and Phosphoproteins in *Listeria monocytogenes*. *J Proteome Res*. 2014 Dec 5;13(12):6046-57. doi: 10.1021/pr500929u. Epub 2014 Nov 10. PubMed PMID: 25383790.
- 3: Samba-Louaka A, Pereira JM, Nahori MA, Villiers V, Deriano L, Hamon MA, Cossart P. *Listeria monocytogenes* dampens the DNA damage response. *PLoS Pathog*. 2014 Oct 23;10(10):e1004470. doi: 10.1371/journal.ppat.1004470. eCollection 2014 Oct. PubMed PMID: 25340842; PubMed Central PMCID: PMC4207825.
- 4: Pizarro-Cerdá J, Kühbacher A, Cossart P. Phosphoinositides and host-pathogen interactions. *Biochim Biophys Acta*. 2014 Sep 19. pii: S1388-1981(14)00189-9. doi: 10.1016/j.bbapap.2014.09.011. [Epub ahead of print] Review. PubMed PMID: 25241942.
- 5: Impens F, Radoshevich L, Cossart P, Ribet D. Mapping of SUMO sites and analysis of SUMOylation changes induced by external stimuli. *Proc Natl Acad Sci U S A*. 2014 Aug 26;111(34):12432-7. doi: 10.1073/pnas.1413825111. Epub 2014 Aug 11. PubMed PMID: 25114211; PubMed Central PMCID: PMC4151716.
- 6: Mellin JR, Koutero M, Dar D, Nahori MA, Sorek R, Cossart P. Riboswitches. Sequestration of a two-component response regulator by a riboswitch-regulated noncoding RNA. *Science*. 2014 Aug 22;345(6199):940-3. doi: 10.1126/science.1255083. PubMed PMID: 25146292.
- 7: Cossart P, Helenius A. Endocytosis of viruses and bacteria. *Cold Spring Harb Perspect Biol*. 2014 Aug 1;6(8). pii: a016972. doi: 10.1101/cshperspect.a016972. PubMed PMID: 25085912.
- 8: Cossart P, Lebreton A. A trip in the "New Microbiology" with the bacterial pathogen *Listeria monocytogenes*. *FEBS Lett*. 2014 Aug 1;588(15):2437-45. doi: 10.1016/j.febslet.2014.05.051. Epub 2014 Jun 6. Review. PubMed PMID: 24911203.
- 9: Odendall C, Dixit E, Stavru F, Bierne H, Franz KM, Durbin AF, Boulant S, Gehrke L, Cossart P, Kagan JC. Diverse intracellular pathogens activate type III interferon expression from peroxisomes. *Nat Immunol*. 2014 Aug;15(8):717-26. doi: 10.1038/ni.2915. Epub 2014 Jun 22. PubMed PMID: 24952503; PubMed Central PMCID: PMC4106986.

10: Personnic N, Lakisic G, Gouin E, Rousseau A, Gautreau A, Cossart P, Bierne H. A role for Ral GTPase-activating protein subunit β in mitotic regulation. *FEBS J.* 2014 Jul;281(13):2977-89. doi: 10.1111/febs.12836. Epub 2014 May 29. PubMed PMID: 24814574.

11: Bécavin C, Bouchier C, Lechat P, Archambaud C, Creno S, Gouin E, Wu Z, Kühbacher A, Brisse S, Pucciarelli MG, García-del Portillo F, Hain T, Portnoy DA, Chakraborty T, Lecuit M, Pizarro-Cerdá J, Moszer I, Bierne H, Cossart P. Comparison of widely used *Listeria monocytogenes* strains EGD, 10403S, and EGD-e highlights genomic variations underlying differences in pathogenicity. *MBio.* 2014 Mar 25;5(2):e00969-14. doi: 10.1128/mBio.00969-14. PubMed PMID: 24667708; PubMed Central PMCID: PMC3977354.

12: Lebreton A, Job V, Ragon M, Le Monnier A, Dessen A, Cossart P, Bierne H. Structural basis for the inhibition of the chromatin repressor BAHD1 by the bacterial nucleomodulin LntA. *MBio.* 2014 Jan 21;5(1):e00775-13. doi: 10.1128/mBio.00775-13. PubMed PMID: 24449750; PubMed Central PMCID: PMC3903274.

13: Dussurget O, Bierne H, Cossart P. The bacterial pathogen *Listeria monocytogenes* and the interferon family: type I, type II and type III interferons. *Front Cell Infect Microbiol.* 2014 Apr 28;4:50. doi: 10.3389/fcimb.2014.00050. eCollection 2014. PubMed PMID: 24809023; PubMed Central PMCID: PMC4009421.

14: Sesto N, Koutero M, Cossart P. Bacterial and cellular RNAs at work during *Listeria* infection. *Future Microbiol.* 2014;9(9):1025-37. doi: 10.2217/fmb.14.79. PubMed PMID: 25340833.

15: Kühbacher A, Cossart P, Pizarro-Cerdá J. Internalization assays for *Listeria monocytogenes*. *Methods Mol Biol.* 2014;1157:167-78. doi: 10.1007/978-1-4939-0703-8_14. PubMed PMID: 24792557.

16: Sesto N, Touchon M, Andrade JM, Kondo J, Rocha EP, Arraiano CM, Archambaud C, Westhof É, Romby P, Cossart P. A PNPase dependent CRISPR System in *Listeria*. *PLoS Genet.* 2014 Jan;10(1):e1004065. doi: 10.1371/journal.pgen.1004065. Epub 2014 Jan 9. PubMed PMID: 24415952; PubMed Central PMCID: PMC3886909.

17: Phan QT, Eng DK, Mostowy S, Park H, Cossart P, Filler SG. Role of endothelial cell septin 7 in the endocytosis of *Candida albicans*. *MBio.* 2013 Dec 17;4(6):e00542-13. doi: 10.1128/mBio.00542-13. PubMed PMID: 24345743; PubMed Central PMCID: PMC3870263.

18: Jasnin M, Asano S, Gouin E, Hegerl R, Plitzko JM, Villa E, Cossart P, Baumeister W. Three-dimensional architecture of actin filaments in *Listeria monocytogenes* comet tails. *Proc Natl Acad Sci U S A.* 2013 Dec 17;110(51):20521-6. doi: 10.1073/pnas.1320155110. Epub 2013 Dec 4. PubMed PMID: 24306931; PubMed Central PMCID: PMC3870744.

19: Archambaud C, Sismeiro O, Toedling J, Soubigou G, Bécavin C, Lechat P,

Lebreton A, Ciaudo C, Cossart P. The intestinal microbiota interferes with the microRNA response upon oral *Listeria* infection. *MBio*. 2013 Dec 10;4(6):e00707-13. doi: 10.1128/mBio.00707-13. PubMed PMID: 24327339; PubMed Central PMCID: PMC3870255.

20: Neves D, Job V, Dortet L, Cossart P, Dessen A. Structure of internalin InlK from the human pathogen *Listeria monocytogenes*. *J Mol Biol*. 2013 Nov 15;425(22):4520-9. doi: 10.1016/j.jmb.2013.08.010. Epub 2013 Aug 16. PubMed PMID: 23958637.

21: Stavru F, Palmer AE, Wang C, Youle RJ, Cossart P. Atypical mitochondrial fission upon bacterial infection. *Proc Natl Acad Sci U S A*. 2013 Oct 1;110(40):16003-8. doi: 10.1073/pnas.1315784110. Epub 2013 Sep 16. PubMed PMID: 24043775; PubMed Central PMCID: PMC3791707.

22: Kühbacher A, Gouin E, Mercer J, Emmenlauer M, Dehio C, Cossart P, Pizarro-Cerdá J. Imaging InlC secretion to investigate cellular infection by the bacterial pathogen *Listeria monocytogenes*. *J Vis Exp*. 2013 Sep 19;(79):e51043. doi: 10.3791/51043. Erratum in: *J Vis Exp*. doi: 10.3791/51043. PubMed PMID: 24084755.

23: Mellin JR, Tiensuu T, Bécavin C, Gouin E, Johansson J, Cossart P. A riboswitch-regulated antisense RNA in *Listeria monocytogenes*. *Proc Natl Acad Sci U S A*. 2013 Aug 6;110(32):13132-7. doi: 10.1073/pnas.1304795110. Epub 2013 Jul 22. PubMed PMID: 23878253; PubMed Central PMCID: PMC3740843.

24: Eskandarian HA, Impens F, Nahori MA, Soubigou G, Coppée JY, Cossart P, Hamon MA. A role for SIRT2-dependent histone H3K18 deacetylation in bacterial infection. *Science*. 2013 Aug 2;341(6145):1238858. doi: 10.1126/science.1238858. PubMed PMID: 23908241.

25: Quereda JJ, Pucciarelli MG, Botello-Morte L, Calvo E, Carvalho F, Bouchier C, Vieira A, Mariscotti JF, Chakraborty T, Cossart P, Hain T, Cabanes D, García-Del Portillo F. Occurrence of mutations impairing sigma factor B (SigB) function upon inactivation of *Listeria monocytogenes* genes encoding surface proteins. *Microbiology*. 2013 Jul;159(Pt 7):1328-39. doi: 10.1099/mic.0.067744-0. Epub 2013 May 8. PubMed PMID: 23657685.

26: Ghossoub R, Hu Q, Failler M, Rouyez MC, Spitzbarth B, Mostowy S, Wolfrum U, Saunier S, Cossart P, Jamesnelson W, Benmerah A. Septins 2, 7 and 9 and MAP4 colocalize along the axoneme in the primary cilium and control ciliary length. *J Cell Sci*. 2013 Jun 15;126(Pt 12):2583-94. doi: 10.1242/jcs.111377. Epub 2013 Apr 9. PubMed PMID: 23572511; PubMed Central PMCID: PMC3687695.

27: Sesto N, Wurtzel O, Archambaud C, Sorek R, Cossart P. The excludon: a new concept in bacterial antisense RNA-mediated gene regulation. *Nat Rev Microbiol*. 2013 Feb;11(2):75-82. doi: 10.1038/nrmicro2934. Epub 2012 Dec 24. PubMed PMID: 23268228.

28: Archambaud C, Langella P, Lecuit M, Cossart P. Reply to Million et al.:

Lactobacilli and listeriosis. Proc Natl Acad Sci U S A. 2013 Jan 2;110(1):E2. PubMed PMID: 23405389; PubMed Central PMCID: PMC3538247.

29: Carvalho F, Pucciarelli MG, García-del Portillo F, Cabanes D, Cossart P. Extraction of cell wall-bound teichoic acids and surface proteins from *Listeria monocytogenes*. Methods Mol Biol. 2013;966:289-308. doi: 10.1007/978-1-62703-245-2_18. PubMed PMID: 23299742.

30: Mostowy S, Boucontet L, Mazon Moya MJ, Sirianni A, Boudinot P, Hollinshead M, Cossart P, Herbomel P, Levraud JP, Colucci-Guyon E. The zebrafish as a new model for the *in vivo* study of *Shigella flexneri* interaction with phagocytes and bacterial autophagy. PLoS Pathog. 2013;9(9):e1003588. doi: 10.1371/journal.ppat.1003588. Epub 2013 Sep 5. PubMed PMID: 24039575; PubMed Central PMCID: PMC3764221.

31: Travier L, Guadagnini S, Gouin E, Dufour A, Chenal-Francisque V, Cossart P, Olivo-Marin JC, Ghigo JM, Disson O, Lecuit M. ActA promotes *Listeria monocytogenes* aggregation, intestinal colonization and carriage. PLOS Pathog. 2013 Jan;9(1):e1003131. doi: 10.1371/journal.ppat.1003131. Epub 2013 Jan 31. PubMed PMID: 23382675; PubMed Central PMCID: PMC3561219.

32: Bierne H, Hamon M, Cossart P. Epigenetics and bacterial infections. Cold Spring Harb Perspect Med. 2012 Dec 1;2(12):a010272. doi: 10.1101/cshperspect.a010272. Review. PubMed PMID: 23209181; PubMed Central PMCID: PMC3543073.

33: Samba-Louaka A, Stavru F, Cossart P. Role for telomerase in *Listeria monocytogenes* infection. Infect Immun. 2012 Dec;80(12):4257-63. doi: 10.1128/IAI.00614-12. Epub 2012 Sep 24. PubMed PMID: 23006849; PubMed Central PMCID: PMC3497413.

34: Gibbings D, Mostowy S, Jay F, Schwab Y, Cossart P, Voinnet O. Selective autophagy degrades DICER and AGO2 and regulates miRNA activity. Nat Cell Biol. 2012 Dec;14(12):1314-21. PubMed PMID: 23143396; PubMed Central PMCID: PMC3771578.

35: Bonazzi M, Kühbacher A, Toledo-Arana A, Mallet A, Vasudevan L, Pizarro-Cerdá J, Brodsky FM, Cossart P. A common clathrin-mediated machinery co-ordinates cell-cell adhesion and bacterial internalization. Traffic. 2012 Dec;13(12):1653-66. doi: 10.1111/tra.12009. Epub 2012 Oct 11. PubMed PMID: 22984946; PubMed Central PMCID: PMC3760411.

36: Pizarro-Cerdá J, Kühbacher A, Cossart P. Entry of *Listeria monocytogenes* in mammalian epithelial cells: an updated view. Cold Spring Harb Perspect Med. 2012 Nov 1;2(11). pii: a010009. doi: 10.1101/cshperspect.a010009. Review. PubMed PMID: 23125201; PubMed Central PMCID: PMC3543101.

37: Archambaud C, Nahori MA, Soubigou G, Bécavin C, Laval L, Lechat P, Smokvina T, Langella P, Lecuit M, Cossart P. Impact of lactobacilli on orally acquired listeriosis. Proc Natl Acad Sci U S A. 2012 Oct 9;109(41):16684-9. doi: 10.1073/pnas.1212809109. Epub 2012 Sep 24. PubMed PMID: 23012479; PubMed Central

PMCID: PMC3478606.

38: Radoshevich L, Bierne H, Ribet D, Cossart P. The New Microbiology: a conference at the Institut de France. *C R Biol.* 2012 Aug;335(8):514-9. doi: 10.1016/j.crvi.2012.07.005. Epub 2012 Aug 16. PubMed PMID: 22938917.

39: Hamon MA, Ribet D, Stavru F, Cossart P. Listeriolysin O: the Swiss army knife of *Listeria*. *Trends Microbiol.* 2012 Aug;20(8):360-8. doi: 10.1016/j.tim.2012.04.006. Epub 2012 May 30. Review. PubMed PMID: 22652164.

40: Law HT, Bonazzi M, Jackson J, Cossart P, Guttman JA. Nexilin is a dynamic component of *Listeria monocytogenes* and enteropathogenic *Escherichia coli* actin-rich structures. *Cell Microbiol.* 2012 Jul;14(7):1097-108. doi: 10.1111/j.1462-5822.2012.01781.x. Epub 2012 Mar 28. PubMed PMID: 22381134.

41: Mostowy S, Cossart P. Bacterial autophagy: restriction or promotion of bacterial replication? *Trends Cell Biol.* 2012 Jun;22(6):283-91. doi: 10.1016/j.tcb.2012.03.006. Epub 2012 May 1. PubMed PMID: 22555009.

42: Wurtzel O, Sesto N, Mellin JR, Karunker I, Edelheit S, Bécavin C, Archambaud C, Cossart P, Sorek R. Comparative transcriptomics of pathogenic and non-pathogenic *Listeria* species. *Mol Syst Biol.* 2012 May 22;8:583. doi: 10.1038/msb.2012.11. PubMed PMID: 22617957; PubMed Central PMCID: PMC3377988.

43: Zizza P, Iurisci C, Bonazzi M, Cossart P, Leslie CC, Corda D, Mariggiò S. Phospholipase A2IVα regulates phagocytosis independent of its enzymatic activity. *J Biol Chem.* 2012 May 11;287(20):16849-59. doi: 10.1074/jbc.M111.309419. Epub 2012 Mar 5. PubMed PMID: 22393044; PubMed Central PMCID: PMC3351341.

44: Bierne H, Cossart P. When bacteria target the nucleus: the emerging family of nucleomodulins. *Cell Microbiol.* 2012 May;14(5):622-33. doi: 10.1111/j.1462-5822.2012.01758.x. Epub 2012 Feb 23. Review. PubMed PMID: 22289128.

45: Kühbacher A, Dambourne D, Echard A, Cossart P, Pizarro-Cerdá J. Phosphatidylinositol 5-phosphatase oculocerebrorenal syndrome of Lowe protein (OCRL) controls actin dynamics during early steps of *Listeria monocytogenes* infection. *J Biol Chem.* 2012 Apr 13;287(16):13128-36. doi: 10.1074/jbc.M111.315788. Epub 2012 Feb 18. PubMed PMID: 22351770; PubMed Central PMCID: PMC3339978.

46: Klionsky DJ, Abdalla FC, Abellovich H, Abraham RT, Acevedo-Arozena A, Adeli K, Agholme L, Agnello M, Agostinis P, Aguirre-Ghiso JA, Ahn HJ, Ait-Mohamed O, Ait-Si-Ali S, Akematsu T, Akira S, Al-Younes HM, Al-Zeer MA, Albert ML, Albin RL, Alegre-Abarrategui J, Aleo MF, Alirezaei M, Almasan A, Almonte-Becerril M, Amano A, Amaravadi R, Amarnath S, Amer AO, Andrieu-Abadie N, Anantharam V, Ann DK, Anoopkumar-Dukie S, Aoki H, Apostolova N, Arancia G, Aris JP, Asanuma K, Asare NY, Ashida H, Askanas V, Askew DS, Auburger P, Baba M, Backues SK, Baehrecke EH, Bahr BA, Bai XY, Bailly Y, Baiocchi R, Baldini G, Balduini W, Ballabio A, Bamber BA, Bampton ET, Bánhegyi G, Bartholomew CR, Bassham DC, Bast RC Jr, Batoko H, Bay

BH, Beau I, Béchet DM, Begley TJ, Behl C, Behrends C, Bekri S, Bellaire B, Bendall LJ, Benetti L, Berliocchi L, Bernardi H, Bernassola F, Besteiro S, Bhatia-Kissova I, Bi X, Biard-Piechaczyk M, Blum JS, Boise LH, Bonaldo P, Boone DL, Bornhauser BC, Bortoluci KR, Bossis I, Bost F, Bourquin JP, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady NR, Brancolini C, Brech A, Brenman JE, Brennand A, Bresnick EH, Brest P, Bridges D, Bristol ML, Brookes PS, Brown EJ, Brumell JH, Brunetti-Pierri N, Brunk UT, Bulman DE, Bultman SJ, Bultynck G, Burbulla LF, Bursch W, Butchar JP, Buzgariu W, Bydlowski SP, Cadwell K, Cahová M, Cai D, Cai J, Cai Q, Calabretta B, Calvo-Garrido J, Camougrand N, Campanella M, Campos-Salinas J, Candi E, Cao L, Caplan AB, Carding SR, Cardoso SM, Carew JS, Carlin CR, Carmignac V, Carneiro LA, Carra S, Caruso RA, Casari G, Casas C, Castino R, Cebollero E, Cecconi F, Celli J, Chaachouay H, Chae HJ, Chai CY, Chan DC, Chan EY, Chang RC, Che CM, Chen CC, Chen GC, Chen GQ, Chen M, Chen Q, Chen SS, Chen W, Chen X, Chen X, Chen YG, Chen Y, Chen Y, Chen YJ, Chen Z, Cheng A, Cheng CH, Cheng Y, Cheong H, Cheong JH, Cherry S, Chess-Williams R, Cheung ZH, Chevet E, Chiang HL, Chiarelli R, Chiba T, Chin LS, Chiou SH, Chisari FV, Cho CH, Cho DH, Choi AM, Choi D, Choi KS, Choi ME, Chouaib S, Choubey D, Choubey V, Chu CT, Chuang TH, Chueh SH, Chun T, Chwae YJ, Chye ML, Ciarcia R, Ciriolo MR, Clague MJ, Clark RS, Clarke R, Codogno P, Collier HA, Colombo MI, Comincini S, Condello M, Condorelli F, Cookson MR, Coombs GH, Coppens I, Corbalan R, Cossart P, Costelli P, Costes S, Coto-Montes A, Couve E, Coxon FP, Cregg JM, Crespo JL, Cronjé MJ, Cuervo AM, Cullen JJ, Czaja MJ, D'Amelio M, Darfeuille-Michaud A, Davids LM, Davies FE, De Felici M, de Groot JF, de Haan CA, De Martino L, De Milito A, De Tata V, Debnath J, Degterev A, Dehay B, Delbridge LM, Demarchi F, Deng YZ, Dengjel J, Dent P, Denton D, Deretic V, Desai SD, Devenish RJ, Di Gioacchino M, Di Paolo G, Di Pietro C, Díaz-Araya G, Díaz-Laviada I, Diaz-Meco MT, Diaz-Nido J, Dikic I, Dinesh-Kumar SP, Ding WX, Distelhorst CW, Diwan A, Djavaheri-Mergny M, Dokudovskaya S, Dong Z, Dorsey FC, Dosenko V, Dowling JJ, Doxsey S, Dreux M, Drew ME, Duan Q, Duchosal MA, Duff K, Dugail I, Durbeej M, Duszenko M, Edelstein CL, Edinger AL, Egea G, Eichinger L, Eissa NT, Ekmekcioglu S, El-Deiry WS, Elazar Z, Elgendi M, Ellerby LM, Eng KE, Engelbrecht AM, Engelender S, Erenpreisa J, Escalante R, Esclatine A, Eskelinen EL, Espert L, Espina V, Fan H, Fan J, Fan QW, Fan Z, Fang S, Fang Y, Fanto M, Fanzani A, Farkas T, Farré JC, Faure M, Fechheimer M, Feng CG, Feng J, Feng Q, Feng Y, Fésüs L, Feuer R, Figueiredo-Pereira ME, Fimia GM, Fingar DC, Finkbeiner S, Finkel T, Finley KD, Fiorito F, Fisher EA, Fisher PB, Flajolet M, Florez-McClure ML, Florio S, Fon EA, Fornai F, Fortunato F, Fotedar R, Fowler DH, Fox HS, Franco R, Frankel LB, Fransen M, Fuentes JM, Fueyo J, Fujii J, Fujisaki K, Fujita E, Fukuda M, Furukawa RH, Gaestel M, Gailly P, Gajewska M, Galliot B, Galy V, Ganesh S, Ganetzky B, Ganley IG, Gao FB, Gao GF, Gao J, Garcia L, Garcia-Manero G, Garcia-Marcos M, Garmyn M, Gartel AL, Gatti E, Gautel M, Gawriluk TR, Gegg ME, Geng J, Germain M, Gestwicki JE, Gewirtz DA, Ghavami S, Ghosh P, Giannmarioli AM, Giatromanolaki AN, Gibson SB, Gilkerson RW, Ginger ML, Ginsberg HN, Golab J, Goligorsky MS, Golstein P, Gomez-Manzano C, Goncu E, Gongora C, Gonzalez CD, Gonzalez R, González-Estevez C, González-Polo RA, Gonzalez-Rey E, Gorbunov NV, Gorski S, Goruppi S, Gottlieb RA, Gozuacik D, Granato GE, Grant GD, Green KN, Gregorc A, Gros F, Grose C, Grunt TW, Gual P, Guan JL, Guan KL, Guichard SM, Gukovskaya AS, Gukovsky I, Gunst J, Gustafsson AB, Halayko AJ, Hale AN, Halonen SK, Hamasaki M, Han F, Han T, Hancock MK, Hansen M, Harada H, Harada M, Hardt SE, Harper JW, Harris AL, Harris J, Harris SD, Hashimoto M, Haspel JA, Hayashi S, Hazelhurst LA, He C, He YW, Hébert MJ, Heidenreich KA, Helfrich MH, Helgason GV, Henske EP, Herman B, Herman PK, Hetz C, Hilfiker S, Hill JA, Hocking LJ, Hofman P, Hofmann TG, Höfeld J, Holyoake TL, Hong MH, Hood DA, Hotamisligil GS, Houwerzijl EJ, Hoyer-Hansen M, Hu B, Hu CA, Hu HM, Hua Y, Huang C, Huang J, Huang S, Huang WP, Huber TB, Huh WK, Hung TH, Hupp TR, Hur GM, Hurley JB, Hussain SN, Hussey PJ, Hwang JJ, Hwang S, Ichihara A, Ilkhanizadeh S, Inoki K, Into T, Iovane V, Iovanna JL, Ip NY, Isaka Y, Ishida H, Isidoro C, Isobe K, Iwasaki A, Izquierdo M, Izumi Y, Jaakkola PM, Jäättelä M, Jackson GR, Jackson WT, Janji B, Jendrach M, Jeon JH, Jeung EB, Jiang H, Jiang H, Jiang JX, Jiang M, Jiang Q, Jiang X, Jiang

X, Jiménez A, Jin M, Jin S, Joe CO, Johansen T, Johnson DE, Johnson GV, Jones NL, Joseph B, Joseph SK, Joubert AM, Juhász G, Juillerat-Jeanneret L, Jung CH, Jung YK, Kaarniranta K, Kaasik A, Kabuta T, Kadowski M, Kagedal K, Kamada Y, Kaminskyy VO, Kampinga HH, Kanamori H, Kang C, Kang KB, Kang KI, Kang R, Kang YA, Kanki T, Kanneganti TD, Kanno H, Kanthasamy AG, Kanthasamy A, Karantza V, Kaushal GP, Kaushik S, Kawazoe Y, Ke PY, Kehrl JH, Kelekar A, Kerkhoff C, Kessel DH, Khalil H, Kiel JA, Kiger AA, Kihara A, Kim DR, Kim DH, Kim DH, Kim EK, Kim HR, Kim JS, Kim JH, Kim JC, Kim JK, Kim PK, Kim SW, Kim YS, Kim Y, Kimchi A, Kimmelman AC, King JS, Kinsella TJ, Kirklin V, Kirshenbaum LA, Kitamoto K, Kitazato K, Klein L, Klimecki WT, Klucken J, Knecht E, Ko BC, Koch JC, Koga H, Koh JY, Koh YH, Koike M, Komatsu M, Kominami E, Kong HJ, Kong WJ, Korolchuk VI, Kotake Y, Koukourakis MI, Kouri Flores JB, Kovács AL, Kraft C, Krainc D, Krämer H, Kretz-Remy C, Krichevsky AM, Kroemer G, Krüger R, Krut O, Ktistakis NT, Kuan CY, Kucharczyk R, Kumar A, Kumar R, Kumar S, Kundu M, Kung HJ, Kurz T, Kwon HJ, La Spada AR, Lafont F, Lamark T, Landry J, Lane JD, Lapaquette P, Laporte JF, László L, Lavandero S, Lavoie JN, Layfield R, Lazo PA, Le W, Le Cam L, Ledbetter DJ, Lee AJ, Lee BW, Lee GM, Lee J, Lee JH, Lee M, Lee MS, Lee SH, Leeuwenburgh C, Legembre P, Legouis R, Lehmann M, Lei HY, Lei QY, Leib DA, Leiro J, Lemasters JJ, Lemoine A, Lesniak MS, Lev D, Levenson VV, Levine B, Levy E, Li F, Li JL, Li L, Li S, Li W, Li XJ, Li YB, Li YP, Liang C, Liang Q, Liao YF, Liberski PP, Lieberman A, Lim HJ, Lim KL, Lim K, Lin CF, Lin FC, Lin J, Lin JD, Lin K, Lin WW, Lin WC, Lin YL, Linden R, Lingor P, Lippincott-Schwartz J, Lisanti MP, Liton PB, Liu B, Liu CF, Liu K, Liu L, Liu QA, Liu W, Liu YC, Liu Y, Lockshin RA, Lok CN, Lonial S, Loos B, Lopez-Berestein G, López-Otín C, Lossi L, Lotze MT, Lőw P, Lu B, Lu B, Lu B, Lu Z, Luciano F, Lukacs NW, Lund AH, Lynch-Day MA, Ma Y, Macian F, MacKeigan JP, Macleod KF, Madeo F, Maiuri L, Maiuri MC, Malagoli D, Malicdan MC, Malorni W, Man N, Mandelkow EM, Manon S, Manov I, Mao K, Mao X, Mao Z, Marambaud P, Marazziti D, Marcel YL, Marchbank K, Marchetti P, Marciniak SJ, Marcondes M, Mardi M, Marfe G, Mariño G, Markaki M, Marten MR, Martin SJ, Martinand-Mari C, Martinet W, Martinez-Vicente M, Masini M, Matarrese P, Matsuo S, Matteoni R, Mayer A, Mazure NM, McConkey DJ, McConnell MJ, McDermott C, McDonald C, McInerney GM, McKenna SL, McLaughlin B, McLean PJ, McMaster CR, McQuibban GA, Meijer AJ, Meisler MH, Meléndez A, Melia TJ, Melino G, Mena MA, Menendez JA, Menna-Barreto RF, Menon MB, Menzies FM, Mercer CA, Merighi A, Merry DE, Meschini S, Meyer CG, Meyer TF, Miao CY, Miao JY, Michels PA, Michiels C, Mijaljica D, Milojkovic A, Minucci S, Miracco C, Miranti CK, Mitroulis I, Miyazawa K, Mizushima N, Mograbi B, Mohseni S, Molero X, Mollereau B, Mollinedo F, Momoi T, Monastyrska I, Monick MM, Monteiro MJ, Moore MN, Mora R, Moreau K, Moreira PI, Moriyasu Y, Moscat J, Mostowy S, Mottram JC, Motyl T, Moussa CE, Müller S, Muller S, Münger K, Münz C, Murphy LO, Murphy ME, Musarò A, Mysorekar I, Nagata E, Nagata K, Nahimana A, Nair U, Nakagawa T, Nakahira K, Nakano H, Nakatogawa H, Nanjundan M, Naqvi NI, Narendra DP, Narita M, Navarro M, Nawrocki ST, Nazarko TY, Nemchenko A, Netea MG, Neufeld TP, Ney PA, Nezis IP, Nguyen HP, Nie D, Nishino I, Nislow C, Nixon RA, Noda T, Noegel AA, Nogalska A, Noguchi S, Notterpek L, Novak I, Nozaki T, Nukina N, Nürnberg T, Nyfeler B, Obara K, Oberley TD, Oddo S, Ogawa M, Ohashi T, Okamoto K, Oleinick NL, Oliver FJ, Olsen LJ, Olsson S, Opota O, Osborne TF, Ostrander GK, Otsu K, Ou JH, Ouimet M, Overholtzer M, Ozpolat B, Paganetti P, Pagnini U, Pallet N, Palmer GE, Palumbo C, Pan T, Panaretakis T, Pandey UB, Papackova Z, Papassideri I, Paris I, Park J, Park OK, Parys JB, Parzych KR, Patschan S, Patterson C, Pattingre S, Pawelek JM, Peng J, Perlmutter DH, Perrotta I, Perry G, Pervaiz S, Peter M, Peters GJ, Petersen M, Petrovski G, Phang JM, Piacentini M, Pierre P, Pierrefite-Carle V, Pierron G, Pinkas-Kramarski R, Piras A, Piri N, Platanias LC, Pöggeler S, Poirot M, Poletti A, Poüs C, Pozuelo-Rubio M, Prætorius-Ibba M, Prasad A, Prescott M, Priault M, Produit-Zengaffinen N, Progulske-Fox A, Proikas-Cezanne T, Przedborski S, Przyklenk K, Puertollano R, Puyal J, Qian SB, Qin L, Qin ZH, Quaggin SE, Raben N, Rabinowich H, Rabkin SW, Rahman I, Rami A, Ramm G, Randall G, Randow F, Rao VA, Rathmell JC, Ravikumar B, Ray SK, Reed BH, Reed JC, Reggiori F, Régnier-Vigouroux A, Reichert AS, Reiners JJ Jr, Reiter RJ, Ren J, Revuelta JL, Rhodes CJ, Ritis K, Rizzo E, Robbins J,

Roberge M, Roca H, Roccheri MC, Rocchi S, Rodemann HP, Rodríguez de Córdoba S, Rohrer B, Roninson IB, Rosen K, Rost-Roszkowska MM, Rouis M, Rouschop KM, Rovetta F, Rubin BP, Rubinsztein DC, Ruckdeschel K, Rucker EB 3rd, Rudich A, Rudolf E, Ruiz-Opazo N, Russo R, Rusten TE, Ryan KM, Ryter SW, Sabatini DM, Sadoshima J, Saha T, Saitoh T, Sakagami H, Sakai Y, Salekdeh GH, Salomoni P, Salvaterra PM, Salvesen G, Salvioli R, Sanchez AM, Sánchez-Alcázar JA, Sánchez-Prieto R, Sandri M, Sankar U, Sansanwal P, Santambrogio L, Saran S, Sarkar S, Sarwal M, Sasakawa C, Sasnauskiene A, Sass M, Sato K, Sato M, Schapira AH, Scharl M, Schätzl HM, Scheper W, Schiaffino S, Schneider C, Schneider ME, Schneider-Stock R, Schoenlein PV, Schorderet DF, Schüller C, Schwartz GK, Scorrano L, Sealy L, Seglen PO, Segura-Aguilar J, Seiliez I, Seleverstov O, Sell C, Seo JB, Separovic D, Setaluri V, Setoguchi T, Settembre C, Shacka JJ, Shanmugam M, Shapiro IM, Shaulian E, Shaw RJ, Shelhamer JH, Shen HM, Shen WC, Sheng ZH, Shi Y, Shibuya K, Shidoji Y, Shieh JJ, Shih CM, Shimada Y, Shimizu S, Shintani T, Shirihai OS, Shore GC, Sibirny AA, Sidhu SB, Sikorska B, Silva-Zacarin EC, Simmons A, Simon AK, Simon HU, Simone C, Simonsen A, Sinclair DA, Singh R, Sinha D, Sinicrope FA, Sirko A, Siu PM, Sivridis E, Skop V, Skulachev VP, Slack RS, Smaili SS, Smith DR, Soengas MS, Soldati T, Song X, Sood AK, Soong TW, Sotgia F, Spector SA, Spies CD, Springer W, Srinivasula SM, Stefanis L, Steffan JS, Stendel R, Stenmark H, Stephanou A, Stern ST, Sternberg C, Stork B, Strålfors P, Subauste CS, Sui X, Sulzer D, Sun J, Sun SY, Sun ZJ, Sung JJ, Suzuki K, Suzuki T, Swanson MS, Swanton C, Sweeney ST, Sy LK, Szabadkai G, Tabas I, Taegtmeyer H, Tafani M, Takács-Vellai K, Takano Y, Takegawa K, Takemura G, Takeshita F, Talbot NJ, Tan KS, Tanaka K, Tanaka K, Tang D, Tang D, Tanida I, Tannous BA, Tavernarakis N, Taylor GS, Taylor GA, Taylor JP, Terada LS, Terman A, Tettamanti G, Thevissen K, Thompson CB, Thorburn A, Thumm M, Tian F, Tian Y, Tocchini-Valentini G, Tolkovsky AM, Tomino Y, Tönges L, Tooze SA, Tournier C, Tower J, Towns R, Trajkovic V, Travassos LH, Tsai TF, Tschan MP, Tsubata T, Tsung A, Turk B, Turner LS, Tyagi SC, Uchiyama Y, Ueno T, Umekawa M, Umemiya-Shirafuji R, Unni VK, Vaccaro MI, Valente EM, Van den Berghe G, van der Klei IJ, van Doorn W, van Dyk LF, van Egmond M, van Grunsven LA, Vandenabeele P, Vandenberghe WP, Vanhorebeek I, Vaquero EC, Velasco G, Vellai T, Vicencio JM, Vierstra RD, Vila M, Vindis C, Viola G, Viscomi MT, Voitsekhovskaja OV, von Haefen C, Votruba M, Wada K, Wade-Martins R, Walker CL, Walsh CM, Walter J, Wan XB, Wang A, Wang C, Wang D, Wang F, Wang G, Wang H, Wang HG, Wang HD, Wang J, Wang K, Wang M, Wang RC, Wang X, Wang X, Wang YJ, Wang Y, Wang Z, Wang ZC, Wang Z, Wansink DG, Ward DM, Watada H, Waters SL, Webster P, Wei L, Weihl CC, Weiss WA, Welford SM, Wen LP, Whitehouse CA, Whitton JL, Whitworth AJ, Wileman T, Wiley JW, Wilkinson S, Willbold D, Williams RL, Williamson PR, Wouters BG, Wu C, Wu DC, Wu WK, Wyttenbach A, Xavier RJ, Xi Z, Xia P, Xiao G, Xie Z, Xie Z, Xu DZ, Xu J, Xu L, Xu X, Yamamoto A, Yamamoto A, Yamashina S, Yamashita M, Yan X, Yanagida M, Yang DS, Yang E, Yang JM, Yang SY, Yang W, Yang WY, Yang Z, Yao MC, Yao TP, Yeganeh B, Yen WL, Yin JJ, Yin XM, Yoo OJ, Yoon G, Yoon SY, Yorimitsu T, Yoshikawa Y, Yoshimori T, Yoshimoto K, You HJ, Youle RJ, Younes A, Yu L, Yu L, Yu SW, Yu WH, Yuan ZM, Yue Z, Yun CH, Yuzaki M, Zabirnyk O, Silva-Zacarin E, Zacks D, Zacksenhaus E, Zaffaroni N, Zakeri Z, Zeh HJ 3rd, Zeitlin SO, Zhang H, Zhang HL, Zhang J, Zhang JP, Zhang L, Zhang L, Zhang MY, Zhang XD, Zhao M, Zhao YF, Zhao Y, Zhao ZJ, Zheng X, Zhivotovsky B, Zhong Q, Zhou CZ, Zhu C, Zhu WG, Zhu XF, Zhu X, Zhu Y, Zoladek T, Zong WX, Zorzano A, Zschocke J, Zuckerbraun B.

Guidelines for the use and interpretation of assays for monitoring autophagy.

Autophagy. 2012 Apr;8(4):445-544. PubMed PMID: 22966490; PubMed Central PMCID: PMC3404883.

47: Mijouin L, Rosselin M, Bottreau E, Pizarro-Cerda J, Cossart P, Velge P, Wiedemann A. *Salmonella enteritidis* Rck-mediated invasion requires activation of Rac1, which is dependent on the class I PI 3-kinases-Akt signaling pathway. FASEB J. 2012 Apr;26(4):1569-81. doi: 10.1096/fj.11-189647. Epub 2011 Dec 30. PubMed PMID: 22210834.

- 48: Mellin JR, Cossart P. The non-coding RNA world of the bacterial pathogen *Listeria monocytogenes*. *RNA Biol.* 2012 Apr;9(4):372-8. doi: 10.4161/rna.19235. Epub 2012 Feb 16. Review. PubMed PMID: 22336762.
- 49: García-del Portillo F, Cossart P. A new view to intracellular pathogens and host responses in the South of Spain. *EMBO Mol Med.* 2012 Mar;4(3):160-4. doi: 10.1002/emmm.201100210. Epub 2012 Feb 9. PubMed PMID: 22323444; PubMed Central PMCID: PMC3376848.
- 50: Mostowy S, Cossart P. Septins: the fourth component of the cytoskeleton. *Nat Rev Mol Cell Biol.* 2012 Feb 8;13(3):183-94. doi: 10.1038/nrm3284. Review. PubMed PMID: 22314400.
- 51: Mostowy S, Cossart P. Virulence factors that modulate the cell biology of *Listeria* infection and the host response. *Adv Immunol.* 2012;113:19-32. doi: 10.1016/B978-0-12-394590-7.00007-5. Review. PubMed PMID: 22244577.
- 52: Dorette L, Mostowy S, Cossart P. *Listeria* and autophagy escape: involvement of InlK, an internalin-like protein. *Autophagy.* 2012 Jan;8(1):132-4. doi: 10.4161/auto.8.1.18218. Epub 2012 Jan 1. PubMed PMID: 22082958; PubMed Central PMCID: PMC3335995.
- 53: Pontiroli F, Dussurget O, Zanoni I, Urbano M, Beretta O, Granucci F, Ricciardi-Castagnoli P, Cossart P, Foti M. The timing of IFN β production affects early innate responses to *Listeria monocytogenes* and determines the overall outcome of lethal infection. *PLoS One.* 2012;7(8):e43455. doi: 10.1371/journal.pone.0043455. Epub 2012 Aug 17. PubMed PMID: 22912878; PubMed Central PMCID: PMC3422257.
- 54: Bierne H, Travier L, Mahlaköiv T, Tailleux L, Subtil A, Lebreton A, Paliwal A, Gicquel B, Staeheli P, Lecuit M, Cossart P. Activation of type III interferon genes by pathogenic bacteria in infected epithelial cells and mouse placenta. *PLoS One.* 2012;7(6):e39080. doi: 10.1371/journal.pone.0039080. Epub 2012 Jun 14. PubMed PMID: 22720036; PubMed Central PMCID: PMC3375250.
- 55: Aubry C, Corr SC, Wienerroither S, Goulard C, Jones R, Jamieson AM, Decker T, O'Neill LA, Dussurget O, Cossart P. Both TLR2 and TRIF contribute to interferon- β production during *Listeria* infection. *PLoS One.* 2012;7(3):e33299. doi: 10.1371/journal.pone.0033299. Epub 2012 Mar 14. PubMed PMID: 22432012; PubMed Central PMCID: PMC3303824.
- 56: Nikitas G, Cossart P. Adherens junctions and pathogen entry. *Subcell Biochem.* 2012;60:415-25. doi: 10.1007/978-94-007-4186-7_17. Review. PubMed PMID: 22674081.
- 57: Lebreton A, Cossart P, Bierne H. Bacteria tune interferon responses by playing with chromatin. *Virulence.* 2012 Jan-Feb;3(1):87-91. doi: 10.4161/viru.3.1.18531. Epub 2012 Jan 1. PubMed PMID: 22286704.

58: Cossart P. Illuminating the landscape of host-pathogen interactions with the bacterium *Listeria monocytogenes*. *Proc Natl Acad Sci U S A.* 2011 Dec 6;108(49):19484-91. doi: 10.1073/pnas.1112371108. Epub 2011 Nov 23. Review. PubMed PMID: 22114192; PubMed Central PMCID: PMC3241796.

59: Buchrieser C, Rusniok C, Garrido P, Hain T, Scortti M, Lampidis R, Kärst U, Chakraborty T, Cossart P, Kreft J, Vazquez-Boland JA, Goebel W, Glaser P. Complete genome sequence of the animal pathogen *Listeria ivanovii*, which provides insights into host specificities and evolution of the genus *Listeria*. *J Bacteriol.* 2011 Dec;193(23):6787-8. doi: 10.1128/JB.06120-11. PubMed PMID: 22072644; PubMed Central PMCID: PMC3232866.

60: Bonazzi M, Vasudevan L, Mallet A, Sachse M, Sartori A, Prevost MC, Roberts A, Taner SB, Wilbur JD, Brodsky FM, Cossart P. Clathrin phosphorylation is required for actin recruitment at sites of bacterial adhesion and internalization. *J Cell Biol.* 2011 Oct 31;195(3):525-36. doi: 10.1083/jcb.201105152. PubMed PMID: 22042622; PubMed Central PMCID: PMC3206339.

61: Bonazzi M, Cossart P. Impenetrable barriers or entry portals? The role of cell-cell adhesion during infection. *J Cell Biol.* 2011 Oct 31;195(3):349-58. doi: 10.1083/jcb.201106011. Review. Erratum in: *J Cell Biol.* 2011 Dec 26;195(7):1205. PubMed PMID: 22042617; PubMed Central PMCID: PMC3206337.

62: Nikitas G, Deschamps C, Disson O, Niault T, Cossart P, Lecuit M. Transcytosis of *Listeria monocytogenes* across the intestinal barrier upon specific targeting of goblet cell accessible E-cadherin. *J Exp Med.* 2011 Oct 24;208(11):2263-77. doi: 10.1084/jem.20110560. Epub 2011 Oct 3. PubMed PMID: 21967767; PubMed Central PMCID: PMC3201198.

63: Park H, Lee JH, Gouin E, Cossart P, Izard T. The rickettsia surface cell antigen 4 applies mimicry to bind to and activate vinculin. *J Biol Chem.* 2011 Oct 7;286(40):35096-103. doi: 10.1074/jbc.M111.263855. Epub 2011 Aug 13. PubMed PMID: 21841197; PubMed Central PMCID: PMC3186400.

64: Bruck S, Personnic N, Prevost MC, Cossart P, Bierne H. Regulated shift from helical to polar localization of *Listeria monocytogenes* cell wall-anchored proteins. *J Bacteriol.* 2011 Sep;193(17):4425-37. doi: 10.1128/JB.01154-10. Epub 2011 Jul 1. PubMed PMID: 21725001; PubMed Central PMCID: PMC3165528.

65: Aubry C, Goulard C, Nahori MA, Cayet N, Decalf J, Sachse M, Boneca IG, Cossart P, Dussurget O. OatA, a peptidoglycan O-acetyltransferase involved in *Listeria monocytogenes* immune escape, is critical for virulence. *J Infect Dis.* 2011 Sep 1;204(5):731-40. doi: 10.1093/infdis/jir396. PubMed PMID: 21844299; PubMed Central PMCID: PMC3156107.

66: Mostowy S, Cossart P. Septins as key regulators of actin based processes in bacterial infection. *Biol Chem.* 2011 Aug;392(8-9):831-5. doi: 10.1515/BC.2011.078. Epub 2011 Jul 13. Review. PubMed PMID: 21749282.

67: Dortet L, Mostowy S, Samba-Louaka A, Gouin E, Nahori MA, Wiemer EA, Dussurget

0, Cossart P. Recruitment of the major vault protein by InlK: a Listeria monocytogenes strategy to avoid autophagy. *PLoS Pathog.* 2011 Aug;7(8):e1002168. doi: 10.1371/journal.ppat.1002168. Epub 2011 Aug 4. Erratum in: *PLoS Pathog.* 2011 Sep;7(9). doi: 10.1371/annotation/a70544fc-6d8b-4549-921a-9e86557b0ffc. Louaka, Ascel Samba [corrected to Samba-Louaka, Ascel]. PubMed PMID: 21829365; PubMed Central PMCID: PMC3150275.

68: Mostowy S, Sancho-Shimizu V, Hamon MA, Simeone R, Brosch R, Johansen T, Cossart P. p62 and NDP52 proteins target intracytosolic Shigella and Listeria to different autophagy pathways. *J Biol Chem.* 2011 Jul 29;286(30):26987-95. doi: 10.1074/jbc.M111.223610. Epub 2011 Jun 6. PubMed PMID: 21646350; PubMed Central PMCID: PMC3143657.

69: Mostowy S, Cossart P. Autophagy and the cytoskeleton: new links revealed by intracellular pathogens. *Autophagy.* 2011 Jul;7(7):780-2. Epub 2011 Jul 1. PubMed PMID: 21464614; PubMed Central PMCID: PMC3149700.

70: Hamon MA, Cossart P. K⁺ efflux is required for histone H3 dephosphorylation by Listeria monocytogenes listeriolysin O and other pore-forming toxins. *Infect Immun.* 2011 Jul;79(7):2839-46. doi: 10.1128/IAI.01243-10. Epub 2011 Apr 11. PubMed PMID: 21482680; PubMed Central PMCID: PMC3191964.

71: Reynders A, Yessaad N, Vu Manh TP, Dalod M, Fenis A, Aubry C, Nikitas G, Escalière B, Renauld JC, Dussurget O, Cossart P, Lecuit M, Vivier E, Tomasello E. Identity, regulation and in vivo function of gut NKp46⁺ROR γ t⁺ and NKp46⁺ROR γ t⁻ lymphoid cells. *EMBO J.* 2011 Jun 17;30(14):2934-47. doi: 10.1038/emboj.2011.201. PubMed PMID: 21685873; PubMed Central PMCID: PMC3160256.

72: Kastner R, Dussurget O, Archambaud C, Kernbauer E, Soulat D, Cossart P, Decker T. LipA, a tyrosine and lipid phosphatase involved in the virulence of Listeria monocytogenes. *Infect Immun.* 2011 Jun;79(6):2489-98. doi: 10.1128/IAI.05073-11. Epub 2011 Mar 28. PubMed PMID: 21444667; PubMed Central PMCID: PMC3125854.

73: Stavru F, Cossart P. Listeria infection modulates mitochondrial dynamics. *Commun Integr Biol.* 2011 May;4(3):364-6. doi: 10.4161/cib.4.2.15506. PubMed PMID: 21980582; PubMed Central PMCID: PMC3187910.

74: Visvikis O, Boyer L, Torrino S, Doye A, Lemonnier M, Lorès P, Rolando M, Flatau G, Mettouchi A, Bouvard D, Veiga E, Gacon G, Cossart P, Lemichez E. Escherichia coli producing CNF1 toxin hijacks Tollip to trigger Rac1-dependent cell invasion. *Traffic.* 2011 May;12(5):579-90. doi: 10.1111/j.1600-0854.2011.01174.x. Epub 2011 Feb 25. PubMed PMID: 21291504.

75: Mostowy S, Janel S, Forestier C, Roduit C, Kasas S, Pizarro-Cerdá J, Cossart P, Lafont F. A role for septins in the interaction between the Listeria monocytogenes INVASION PROTEIN InlB and the Met receptor. *Biophys J.* 2011 Apr 20;100(8):1949-59. doi: 10.1016/j.bpj.2011.02.040. PubMed PMID: 21504731; PubMed Central PMCID: PMC3077699.

- 76: Cossart P. Pascale Cossart: the ins and outs of Listeria. Interview by Caitlin Sedwick. *J Cell Biol.* 2011 Mar 21;192(6):904-5. doi: 10.1083/jcb.1926pi. PubMed PMID: 21422225; PubMed Central PMCID: PMC3063141.
- 77: Lebreton A, Lakisic G, Job V, Fritsch L, Tham TN, Camejo A, Matteï PJ, Regnault B, Nahori MA, Cabanes D, Gautreau A, Ait-Si-Ali S, Dessen A, Cossart P, Bierne H. A bacterial protein targets the BAHD1 chromatin complex to stimulate type III interferon response. *Science.* 2011 Mar 11;331(6022):1319-21. doi: 10.1126/science.1200120. Epub 2011 Jan 20. PubMed PMID: 21252314.
- 78: Stavru F, Archambaud C, Cossart P. Cell biology and immunology of Listeria monocytogenes infections: novel insights. *Immunol Rev.* 2011 Mar;240(1):160-84. doi: 10.1111/j.1600-065X.2010.00993.x. Review. PubMed PMID: 21349093.
- 79: Fernandez-Garcia MD, Meertens L, Bonazzi M, Cossart P, Arenzana-Seisdedos F, Amara A. Appraising the roles of CBLL1 and the ubiquitin/proteasome system for flavivirus entry and replication. *J Virol.* 2011 Mar;85(6):2980-9. doi: 10.1128/JVI.02483-10. Epub 2010 Dec 29. PubMed PMID: 21191016; PubMed Central PMCID: PMC3067953.
- 80: Stavru F, Bouillaud F, Sartori A, Ricquier D, Cossart P. Listeria monocytogenes transiently alters mitochondrial dynamics during infection. *Proc Natl Acad Sci U S A.* 2011 Mar 1;108(9):3612-7. doi: 10.1073/pnas.1100126108. Epub 2011 Feb 14. PubMed PMID: 21321208; PubMed Central PMCID: PMC3048117.
- 81: Ribet D, Cossart P. Pathogen-mediated posttranslational modifications: A re-emerging field. *Cell.* 2010 Nov 24;143(5):694-702. doi: 10.1016/j.cell.2010.11.019. Review. PubMed PMID: 21111231.
- 82: Mostowy S, Bonazzi M, Hamon MA, Tham TN, Mallet A, Lelek M, Gouin E, Demangel C, Brosch R, Zimmer C, Sartori A, Kinoshita M, Lecuit M, Cossart P. Entrapment of intracytosolic bacteria by septin cage-like structures. *Cell Host Microbe.* 2010 Nov 18;8(5):433-44. doi: 10.1016/j.chom.2010.10.009. PubMed PMID: 21075354.
- 83: Doret L, Veiga E, Bonazzi M, Cossart P. CD44-independent activation of the Met signaling pathway by HGF and InlB. *Microbes Infect.* 2010 Nov;12(12-13):919-27. doi: 10.1016/j.micinf.2010.07.009. Epub 2010 Jul 27. PubMed PMID: 20670691.
- 84: Ribet D, Cossart P. SUMOylation and bacterial pathogens. *Virulence.* 2010 Nov-Dec;1(6):532-4. Epub 2010 Nov 1. PubMed PMID: 21178495.
- 85: Gouin E, Adib-Conquy M, Balestrino D, Nahori MA, Villiers V, Colland F, Dramsi S, Dussurget O, Cossart P. The Listeria monocytogenes InlC protein interferes with innate immune responses by targeting the I κ B kinase subunit IKK α . *Proc Natl Acad Sci U S A.* 2010 Oct 5;107(40):17333-8. doi: 10.1073/pnas.1007765107. Epub 2010 Sep 20. PubMed PMID: 20855622; PubMed Central PMCID: PMC2951401.

- 86: Reis O, Sousa S, Camejo A, Villiers V, Gouin E, Cossart P, Cabanes D. LapB, a novel *Listeria monocytogenes* LPXTG surface adhesin, required for entry into eukaryotic cells and virulence. *J Infect Dis.* 2010 Aug 15;202(4):551-62. doi: 10.1086/654880. PubMed PMID: 20617901.
- 87: Cossart P, Roy CR. Manipulation of host membrane machinery by bacterial pathogens. *Curr Opin Cell Biol.* 2010 Aug;22(4):547-54. doi: 10.1016/j.ceb.2010.05.006. Epub 2010 Jun 9. Review. PubMed PMID: 20542678; PubMed Central PMCID: PMC2975266.
- 88: Guttman JA, Lin AE, Veiga E, Cossart P, Finlay BB. Role for CD2AP and other endocytosis-associated proteins in enteropathogenic *Escherichia coli* pedestal formation. *Infect Immun.* 2010 Aug;78(8):3316-22. doi: 10.1128/IAI.00161-10. Epub 2010 Jun 1. PubMed PMID: 20515931; PubMed Central PMCID: PMC2916276.
- 89: Ribet D, Cossart P. Post-translational modifications in host cells during bacterial infection. *FEBS Lett.* 2010 Jul 2;584(13):2748-58. doi: 10.1016/j.febslet.2010.05.012. Epub 2010 May 21. Review. PubMed PMID: 20493189.
- 90: Balestrino D, Hamon MA, Dortet L, Nahori MA, Pizarro-Cerdá J, Alignani D, Dussurget O, Cossart P, Toledo-Arana A. Single-cell techniques using chromosomally tagged fluorescent bacteria to study *Listeria monocytogenes* infection processes. *Appl Environ Microbiol.* 2010 Jun;76(11):3625-36. doi: 10.1128/AEM.02612-09. Epub 2010 Apr 2. PubMed PMID: 20363781; PubMed Central PMCID: PMC2876438.
- 91: Pizarro-Cerdá J, Bonazzi M, Cossart P. Clathrin-mediated endocytosis: what works for small, also works for big. *Bioessays.* 2010 Jun;32(6):496-504. doi: 10.1002/bies.200900172. PubMed PMID: 20486136.
- 92: Personnic N, Bruck S, Nahori MA, Toledo-Arana A, Nikitas G, Lecuit M, Dussurget O, Cossart P, Bierne H. The stress-induced virulence protein InlH controls interleukin-6 production during murine listeriosis. *Infect Immun.* 2010 May;78(5):1979-89. doi: 10.1128/IAI.01096-09. Epub 2010 Feb 22. PubMed PMID: 20176794; PubMed Central PMCID: PMC2863493.
- 93: Ribet D, Cossart P. [Listeria battles with SUMO]. *Med Sci (Paris).* 2010 May;26(5):545-7. doi: 10.1051/medsci/2010265545. Review. French. PubMed PMID: 20510159.
- 94: Ribet D, Hamon M, Gouin E, Nahori MA, Impens F, Neyret-Kahn H, Gevaert K, Vandekerckhove J, Dejean A, Cossart P. *Listeria monocytogenes* impairs SUMOylation for efficient infection. *Nature.* 2010 Apr 22;464(7292):1192-5. doi: 10.1038/nature08963. PubMed PMID: 20414307; PubMed Central PMCID: PMC3627292.
- 95: Tham TN, Gouin E, Rubinstein E, Boucheix C, Cossart P, Pizarro-Cerdá J. Tetraspanin CD81 is required for *Listeria monocytogenes* invasion. *Infect Immun.* 2010 Jan;78(1):204-9. doi: 10.1128/IAI.00661-09. Epub 2009 Nov 9. PubMed PMID: 19901060; PubMed Central PMCID: PMC2798227.

- 96: Sorek R, Cossart P. Prokaryotic transcriptomics: a new view on regulation, physiology and pathogenicity. *Nat Rev Genet.* 2010 Jan;11(1):9-16. doi: 10.1038/nrg2695. Epub 2009 Nov 24. PubMed PMID: 19935729.
- 97: Loh E, Dussurget O, Gripenland J, Vaitkevicius K, Tiensuu T, Mandin P, Repoila F, Buchrieser C, Cossart P, Johansson J. A trans-acting riboswitch controls expression of the virulence regulator PrfA in *Listeria monocytogenes*. *Cell.* 2009 Nov 13;139(4):770-9. doi: 10.1016/j.cell.2009.08.046. PubMed PMID: 19914169.
- 98: Cossart P, Bach JF. [French biological research: the excellence is there, and the next generation ready to take over]. *Med Sci (Paris).* 2009 Nov;25(11):883-4. doi: 10.1051/medsci/20092511883. French. PubMed PMID: 19951654.
- 99: Mostowy S, Cossart P. Cytoskeleton rearrangements during *Listeria* infection: clathrin and septins as new players in the game. *Cell Motil Cytoskeleton.* 2009 Oct;66(10):816-23. doi: 10.1002/cm.20353. Review. PubMed PMID: 19296488.
- 100: Bonazzi M, Lecuit M, Cossart P. *Listeria monocytogenes* internalin and E-cadherin: from bench to bedside. *Cold Spring Harb Perspect Biol.* 2009 Oct;1(4):a003087. doi: 10.1101/csfperspect.a003087. Review. PubMed PMID: 20066101; PubMed Central PMCID: PMC2773623.
- 101: Levraud JP, Disson O, Kissa K, Bonne I, Cossart P, Herbomel P, Lecuit M. Real-time observation of *listeria monocytogenes*-phagocyte interactions in living zebrafish larvae. *Infect Immun.* 2009 Sep;77(9):3651-60. doi: 10.1128/IAI.00408-09. Epub 2009 Jun 22. PubMed PMID: 19546195; PubMed Central PMCID: PMC2738018.
- 102: Bierne H, Tham TN, Batsche E, Dumay A, Leguillou M, Kernéis-Golsteyn S, Regnault B, Seeler JS, Muchardt C, Feunteun J, Cossart P. Human BAHD1 promotes heterochromatic gene silencing. *Proc Natl Acad Sci U S A.* 2009 Aug 18;106(33):13826-31. doi: 10.1073/pnas.0901259106. Epub 2009 Aug 3. PubMed PMID: 19666599; PubMed Central PMCID: PMC2728979.
- 103: Moreno-Ruiz E, Galán-Díez M, Zhu W, Fernández-Ruiz E, d'Enfert C, Filler SG, Cossart P, Veiga E. *Candida albicans* internalization by host cells is mediated by a clathrin-dependent mechanism. *Cell Microbiol.* 2009 Aug;11(8):1179-89. doi: 10.1111/j.1462-5822.2009.01319.x. Epub 2009 Mar 31. PubMed PMID: 19416270; PubMed Central PMCID: PMC4098847.
- 104: Serruto D, Spadafina T, Scarselli M, Bambini S, Comanducci M, Höhle S, Kilian M, Veiga E, Cossart P, Oggioni MR, Savino S, Ferlenghi I, Taddei AR, Rappuoli R, Pizza M, Massignani V, Aricò B. HadA is an atypical new multifunctional trimeric coiled-coil adhesin of *Haemophilus influenzae* biogroup aegyptius, which promotes entry into host cells. *Cell Microbiol.* 2009 Jul;11(7):1044-63. doi: 10.1111/j.1462-5822.2009.01306.x. Epub 2009 Mar 12. PubMed PMID: 19290916.

105: Mostowy S, Cossart P. From pathogenesis to cell biology and back. *Cell Host Microbe*. 2009 Jun 18;5(6):510-3. doi: 10.1016/j.chom.2009.06.002. Review. PubMed PMID: 19527877.

106: Toledo-Arana A, Dussurget O, Nikitas G, Sesto N, Guet-Revillet H, Balestrino D, Loh E, Gripenland J, Tiensuu T, Vaitkevicius K, Barthelemy M, Vergassola M, Nahori MA, Soubigou G, Régnault B, Coppée JY, Lecuit M, Johansson J, Cossart P. The *Listeria* transcriptional landscape from saprophytism to virulence. *Nature*. 2009 Jun 18;459(7249):950-6. doi: 10.1038/nature08080. Epub 2009 May 17. PubMed PMID: 19448609.

107: Bonazzi M, Lecuit M, Cossart P. *Listeria monocytogenes* internalin and E-cadherin: from structure to pathogenesis. *Cell Microbiol*. 2009 May;11(5):693-702. doi: 10.1111/j.1462-5822.2009.01293.x. Epub 2009 Feb 2. Review. PubMed PMID: 19191787.

108: Camejo A, Buchrieser C, Couvé E, Carvalho F, Reis O, Ferreira P, Sousa S, Cossart P, Cabanes D. In vivo transcriptional profiling of *Listeria monocytogenes* and mutagenesis identify new virulence factors involved in infection. *PLoS Pathog*. 2009 May;5(5):e1000449. doi: 10.1371/journal.ppat.1000449. Epub 2009 May 29. PubMed PMID: 19478867; PubMed Central PMCID: PMC2679221.

109: Mostowy S, Danckaert A, Tham TN, Machu C, Guadagnini S, Pizarro-Cerdá J, Cossart P. Septin 11 restricts InlB-mediated invasion by *Listeria*. *J Biol Chem*. 2009 Apr 24;284(17):11613-21. doi: 10.1074/jbc.M900231200. Epub 2009 Feb 21. PubMed PMID: 19234302; PubMed Central PMCID: PMC2670166.

110: Pizarro-Cerdá J, Cossart P. *Listeria monocytogenes* membrane trafficking and lifestyle: the exception or the rule? *Annu Rev Cell Dev Biol*. 2009;25:649-70. doi: 10.1146/annurev.cellbio.042308.113331. Review. PubMed PMID: 19575658.

111: Cossart P, Archambaud C. The bacterial pathogen *Listeria monocytogenes*: an emerging model in prokaryotic transcriptomics. *J Biol*. 2009;8(12):107. doi: 10.1186/jbiol1202. Epub 2009 Dec 30. PubMed PMID: 20053304; PubMed Central PMCID: PMC2804279.

112: Disson O, Nikitas G, Grayo S, Dussurget O, Cossart P, Lecuit M. Modeling human listeriosis in natural and genetically engineered animals. *Nat Protoc*. 2009;4(6):799-810. doi: 10.1038/nprot.2009.66. PubMed PMID: 19444238.

113: Mostowy S, Nam Tham T, Danckaert A, Guadagnini S, Boisson-Dupuis S, Pizarro-Cerdá J, Cossart P. Septins regulate bacterial entry into host cells. *PLoS One*. 2009;4(1):e4196. doi: 10.1371/journal.pone.0004196. Epub 2009 Jan 15. PubMed PMID: 19145258; PubMed Central PMCID: PMC2626286.

114: Bonazzi M, Veiga E, Pizarro-Cerdá J, Cossart P. Successive post-translational modifications of E-cadherin are required for InlA-mediated internalization of *Listeria monocytogenes*. *Cell Microbiol*. 2008 Nov;10(11):2208-22. doi: 10.1111/j.1462-5822.2008.01200.x. Epub 2008 Jul 3. PubMed PMID: 18624796.

115: Disson O, Grayo S, Huillet E, Nikitas G, Langa-Vives F, Dussurget O, Ragon M, Le Monnier A, Babinet C, Cossart P, Lecuit M. Conjugated action of two species-specific invasion proteins for fetoplacental listeriosis. *Nature*. 2008 Oct 23;455(7216):1114-8. doi: 10.1038/nature07303. Epub 2008 Sep 17. PubMed PMID: 18806773.

116: Van Troys M, Lambrechts A, David V, Demol H, Puype M, Pizarro-Cerda J, Gevaert K, Cossart P, Vandekerckhove J. The actin propulsive machinery: the proteome of *Listeria monocytogenes* tails. *Biochem Biophys Res Commun*. 2008 Oct 17;375(2):194-9. doi: 10.1016/j.bbrc.2008.07.152. Epub 2008 Aug 9. PubMed PMID: 18694727.

117: Cossart P, Veiga E. Non-classical use of clathrin during bacterial infections. *J Microsc*. 2008 Sep;231(3):524-8. doi: 10.1111/j.1365-2818.2008.02065.x. Review. PubMed PMID: 18755008.

118: Hamon MA, Cossart P. Histone modifications and chromatin remodeling during bacterial infections. *Cell Host Microbe*. 2008 Aug 14;4(2):100-9. doi: 10.1016/j.chom.2008.07.009. Review. PubMed PMID: 18692770.

119: Cabanes D, Lecuit M, Cossart P. Animal models of *Listeria* infection. *Curr Protoc Microbiol*. 2008 Aug;Chapter 9:Unit9B.1. doi: 10.1002/9780471729259.mc09b01s10. PubMed PMID: 18729060.

120: Lindén SK, Bierne H, Sabet C, Png CW, Florin TH, McGuckin MA, Cossart P. *Listeria monocytogenes* internalins bind to the human intestinal mucin MUC2. *Arch Microbiol*. 2008 Jul;190(1):101-4. doi: 10.1007/s00203-008-0358-6. Epub 2008 Mar 8. PubMed PMID: 18327567.

121: Cossart P, Toledo-Arana A. *Listeria monocytogenes*, a unique model in infection biology: an overview. *Microbes Infect*. 2008 Jul;10(9):1041-50. doi: 10.1016/j.micinf.2008.07.043. Epub 2008 Aug 20. Review. PubMed PMID: 18775788.

122: Lambrechts A, Gevaert K, Cossart P, Vandekerckhove J, Van Troys M. *Listeria* comet tails: the actin-based motility machinery at work. *Trends Cell Biol*. 2008 May;18(5):220-7. doi: 10.1016/j.tcb.2008.03.001. Epub 2008 Apr 7. Review. PubMed PMID: 18396046.

123: Bublitz M, Holland C, Sabet C, Reichelt J, Cossart P, Heinz DW, Bierne H, Schubert WD. Crystal structure and standardized geometric analysis of InlJ, a listerial virulence factor and leucine-rich repeat protein with a novel cysteine ladder. *J Mol Biol*. 2008 Apr 18;378(1):87-96. doi: 10.1016/j.jmb.2008.01.100. Epub 2008 Feb 20. PubMed PMID: 18343406.

124: Sabet C, Toledo-Arana A, Personnic N, Lecuit M, Dubrac S, Poupel O, Gouin E, Nahori MA, Cossart P, Bierne H. The *Listeria monocytogenes* virulence factor InlJ is specifically expressed in vivo and behaves as an adhesin. *Infect Immun*. 2008 Apr;76(4):1368-78. doi: 10.1128/IAI.01519-07. Epub 2008 Jan 28. PubMed PMID:

18227172; PubMed Central PMCID: PMC2292890.

125: Veiga E, Guttman JA, Bonazzi M, Boucrot E, Toledo-Arana A, Lin AE, Enninga J, Pizarro-Cerdá J, Finlay BB, Kirchhausen T, Cossart P. Invasive and adherent bacterial pathogens co-Opt host clathrin for infection. *Cell Host Microbe*. 2007 Nov 15;2(5):340-51. PubMed PMID: 18005755; PubMed Central PMCID: PMC2803069.

126: Sousa S, Cabanes D, Bougnères L, Lecuit M, Sansonetti P, Tran-Van-Nhieu G, Cossart P. Src, cortactin and Arp2/3 complex are required for E-cadherin-mediated internalization of *Listeria* into cells. *Cell Microbiol*. 2007 Nov;9(11):2629-43. Epub 2007 Jul 11. PubMed PMID: 17627624.

127: Hain T, Chatterjee SS, Ghai R, Kuenne CT, Billion A, Steinweg C, Domann E, Kärst U, Jänsch L, Wehland J, Eisenreich W, Bacher A, Joseph B, Schär J, Kreft J, Klumpp J, Loessner MJ, Dortsch J, Neuhaus K, Fuchs TM, Scherer S, Doumith M, Jacquet C, Martin P, Cossart P, Rusniok C, Glaser P, Buchrieser C, Goebel W, Chakraborty T. Pathogenomics of *Listeria* spp. *Int J Med Microbiol*. 2007 Nov;297(7-8):541-57. Epub 2007 May 7. Review. PubMed PMID: 17482873.

128: Pizarro-Cerdá J, Payrastre B, Wang YJ, Veiga E, Yin HL, Cossart P. Type II phosphatidylinositol 4-kinases promote *Listeria monocytogenes* entry into target cells. *Cell Microbiol*. 2007 Oct;9(10):2381-90. Epub 2007 Jun 7. PubMed PMID: 17555516.

129: Birmingham CL, Canadien V, Gouin E, Troy EB, Yoshimori T, Cossart P, Higgins DE, Brumell JH. *Listeria monocytogenes* evades killing by autophagy during colonization of host cells. *Autophagy*. 2007 Sep-Oct;3(5):442-51. Epub 2007 May 18. PubMed PMID: 17568179.

130: Hamon MA, Batsché E, Régnault B, Tham TN, Seveau S, Muchardt C, Cossart P. Histone modifications induced by a family of bacterial toxins. *Proc Natl Acad Sci U S A*. 2007 Aug 14;104(33):13467-72. Epub 2007 Aug 3. Erratum in: *Proc Natl Acad Sci U S A*. 2007 Oct 30;104(44):17555. PubMed PMID: 17675409; PubMed Central PMCID: PMC1948930.

131: Bierne H, Sabet C, Personnic N, Cossart P. Internalins: a complex family of leucine-rich repeat-containing proteins in *Listeria monocytogenes*. *Microbes Infect*. 2007 Aug;9(10):1156-66. Epub 2007 May 7. Review. PubMed PMID: 17764999.

132: Seveau S, Pizarro-Cerdá J, Cossart P. Molecular mechanisms exploited by *Listeria monocytogenes* during host cell invasion. *Microbes Infect*. 2007 Aug;9(10):1167-75. Epub 2007 May 7. Review. PubMed PMID: 17761447.

133: Cossart P. Listeriology (1926-2007): the rise of a model pathogen. *Microbes Infect*. 2007 Aug;9(10):1143-6. Epub 2007 May 6. Review. PubMed PMID: 17618157.

134: Veiga E, Cossart P. *Listeria* InlB takes a different route to met. *Cell*. 2007 Jul 27;130(2):218-9. PubMed PMID: 17662936.

135: Bierne H, Cossart P. Listeria monocytogenes surface proteins: from genome predictions to function. *Microbiol Mol Biol Rev.* 2007 Jun;71(2):377-97. Review. PubMed PMID: 17554049; PubMed Central PMCID: PMC1899877.

136: Lecuit M, Sonnenburg JL, Cossart P, Gordon JI. Functional genomic studies of the intestinal response to a foodborne enteropathogen in a humanized gnotobiotic mouse model. *J Biol Chem.* 2007 May 18;282(20):15065-72. Epub 2007 Mar 27. PubMed PMID: 17389602.

137: Toledo-Arana A, Repoila F, Cossart P. Small noncoding RNAs controlling pathogenesis. *Curr Opin Microbiol.* 2007 Apr;10(2):182-8. Epub 2007 Mar 23. Review. PubMed PMID: 17383223.

138: Velge P, Herler M, Johansson J, Roche SM, Témoïn S, Fedorov AA, Gracieux P, Almo SC, Goebel W, Cossart P. A naturally occurring mutation K220T in the pleiotropic activator PrfA of *Listeria monocytogenes* results in a loss of virulence due to decreasing DNA-binding affinity. *Microbiology.* 2007 Apr;153(Pt 4):995-1005. PubMed PMID: 17379709.

139: Seveau S, Tham TN, Payrastre B, Hoppe AD, Swanson JA, Cossart P. A FRET analysis to unravel the role of cholesterol in Rac1 and PI 3-kinase activation in the InlB/Met signalling pathway. *Cell Microbiol.* 2007 Mar;9(3):790-803. Epub 2006 Nov 28. PubMed PMID: 17140407.

140: Boneca IG, Dussurget O, Cabanes D, Nahori MA, Sousa S, Lecuit M, Psylinakis E, Bouriotis V, Hugot JP, Giovannini M, Coyle A, Bertin J, Namane A, Rousselle JC, Cayet N, Prévost MC, Balloy V, Chignard M, Philpott DJ, Cossart P, Girardin SE. A critical role for peptidoglycan N-deacetylation in *Listeria* evasion from the host innate immune system. *Proc Natl Acad Sci U S A.* 2007 Jan 16;104(3):997-1002. Epub 2007 Jan 10. PubMed PMID: 17215377; PubMed Central PMCID: PMC1766339.

141: García-del Portillo F, Cossart P. An important step in *listeria* lipoprotein research. *J Bacteriol.* 2007 Jan;189(2):294-7. Epub 2006 Oct 27. PubMed PMID: 17071755; PubMed Central PMCID: PMC1797393.

142: Mandin P, Repoila F, Vergassola M, Geissmann T, Cossart P. Identification of new noncoding RNAs in *Listeria monocytogenes* and prediction of mRNA targets. *Nucleic Acids Res.* 2007;35(3):962-74. Epub 2007 Jan 26. PubMed PMID: 17259222; PubMed Central PMCID: PMC1807966.

143: Archambaud C, Nahori MA, Pizarro-Cerda J, Cossart P, Dussurget O. Control of *Listeria* superoxide dismutase by phosphorylation. *J Biol Chem.* 2006 Oct 20;281(42):31812-22. Epub 2006 Aug 11. PubMed PMID: 16905535.

144: Veiga E, Cossart P. The role of clathrin-dependent endocytosis in bacterial internalization. *Trends Cell Biol.* 2006 Oct;16(10):499-504. Epub 2006 Sep 8. Review. PubMed PMID: 16962776.

- 145: Hamon M, Bierne H, Cossart P. *Listeria monocytogenes*: a multifaceted model. *Nat Rev Microbiol.* 2006 Jun;4(6):423-34. Review. PubMed PMID: 16710323.
- 146: Bonazzi M, Cossart P. Bacterial entry into cells: a role for the endocytic machinery. *FEBS Lett.* 2006 May 22;580(12):2962-7. Epub 2006 Apr 21. Review. PubMed PMID: 16650411.
- 147: Khelef N, Lecuit M, Bierne H, Cossart P. Species specificity of the *Listeria monocytogenes* InlB protein. *Cell Microbiol.* 2006 Mar;8(3):457-70. PubMed PMID: 16469057.
- 148: Pizarro-Cerdá J, Cossart P. Bacterial adhesion and entry into host cells. *Cell.* 2006 Feb 24;124(4):715-27. Review. PubMed PMID: 16497583.
- 149: Pizarro-Cerdá J, Cossart P. Subversion of cellular functions by *Listeria monocytogenes*. *J Pathol.* 2006 Jan;208(2):215-23. Review. PubMed PMID: 16362984.
- 150: Martinez JJ, Seveau S, Veiga E, Matsuyama S, Cossart P. Ku70, a component of DNA-dependent protein kinase, is a mammalian receptor for *Rickettsia conorii*. *Cell.* 2005 Dec 16;123(6):1013-23. PubMed PMID: 16360032.
- 151: Pucciarelli MG, Calvo E, Sabet C, Bierne H, Cossart P, García-del Portillo F. Identification of substrates of the *Listeria monocytogenes* sortases A and B by a non-gel proteomic analysis. *Proteomics.* 2005 Dec;5(18):4808-17. PubMed PMID: 16247833.
- 152: Roche SM, Gracieux P, Milohanic E, Albert I, Virlogeux-Payant I, Témoin S, Grépinet O, Kerouanton A, Jacquet C, Cossart P, Velge P. Investigation of specific substitutions in virulence genes characterizing phenotypic groups of low-virulence field strains of *Listeria monocytogenes*. *Appl Environ Microbiol.* 2005 Oct;71(10):6039-48. PubMed PMID: 16204519; PubMed Central PMCID: PMC1265998.
- 153: Sousa S, Lecuit M, Cossart P. Microbial strategies to target, cross or disrupt epithelia. *Curr Opin Cell Biol.* 2005 Oct;17(5):489-98. Review. PubMed PMID: 16102958.
- 154: Sabet C, Lecuit M, Cabanes D, Cossart P, Bierne H. LPXTG protein InlJ, a newly identified internalin involved in *Listeria monocytogenes* virulence. *Infect Immun.* 2005 Oct;73(10):6912-22. PubMed PMID: 16177371; PubMed Central PMCID: PMC1230919.
- 155: Sousa S, Cabanes D, Archambaud C, Colland F, Lemichez E, Popoff M, Boisson-Dupuis S, Gouin E, Lecuit M, Legrain P, Cossart P. ARHGAP10 is necessary for alpha-catenin recruitment at adherens junctions and for *Listeria* invasion. *Nat Cell Biol.* 2005 Oct;7(10):954-60. Epub 2005 Sep 25. PubMed PMID: 16184169.
- 156: Dussurget O, Dumas E, Archambaud C, Chafsey I, Chambon C, Hébraud M, Cossart

P. *Listeria monocytogenes* ferritin protects against multiple stresses and is required for virulence. *FEMS Microbiol Lett.* 2005 Sep 15;250(2):253-61. Erratum in: *FEMS Microbiol Lett.* 2005 Dec 15;253(2):341-2. PubMed PMID: 16098690.

157: Mandin P, Fsihi H, Dussurget O, Vergassola M, Milohanic E, Toledo-Arana A, Lasa I, Johansson J, Cossart P. VirR, a response regulator critical for *Listeria monocytogenes* virulence. *Mol Microbiol.* 2005 Sep;57(5):1367-80. PubMed PMID: 16102006.

158: Veiga E, Cossart P. *Listeria* hijacks the clathrin-dependent endocytic machinery to invade mammalian cells. *Nat Cell Biol.* 2005 Sep;7(9):894-900. Epub 2005 Aug 21. PubMed PMID: 16113677.

159: Cabanes D, Sousa S, Cebriá A, Lecuit M, García-del Portillo F, Cossart P. Gp96 is a receptor for a novel *Listeria monocytogenes* virulence factor, Vip, a surface protein. *EMBO J.* 2005 Aug 3;24(15):2827-38. Epub 2005 Jul 14. PubMed PMID: 16015374; PubMed Central PMCID: PMC1182245.

160: Guimarães VD, Gabriel JE, Lefèvre F, Cabanes D, Gruss A, Cossart P, Azevedo V, Langella P. Internalin-expressing *Lactococcus lactis* is able to invade small intestine of guinea pigs and deliver DNA into mammalian epithelial cells. *Microbes Infect.* 2005 May;7(5-6):836-44. Epub 2005 Apr 14. PubMed PMID: 15878681.

161: Bierne H, Miki H, Innocenti M, Scita G, Gertler FB, Takenawa T, Cossart P. WASP-related proteins, Abi1 and Ena/VASP are required for *Listeria* invasion induced by the Met receptor. *J Cell Sci.* 2005 Apr 1;118(Pt 7):1537-47. Epub 2005 Mar 15. Erratum in: *J Cell Sci.* 2005 Apr 15;118(Pt 8):1769. PubMed PMID: 15769844.

162: Archambaud C, Gouin E, Pizarro-Cerda J, Cossart P, Dussurget O. Translation elongation factor EF-Tu is a target for Stp, a serine-threonine phosphatase involved in virulence of *Listeria monocytogenes*. *Mol Microbiol.* 2005 Apr;56(2):383-96. PubMed PMID: 15813732.

163: Gouin E, Welch MD, Cossart P. Actin-based motility of intracellular pathogens. *Curr Opin Microbiol.* 2005 Feb;8(1):35-45. Review. PubMed PMID: 15694855.

164: Galán JE, Cossart P. Host-pathogen interactions: a diversity of themes, a variety of molecular machines. *Curr Opin Microbiol.* 2005 Feb;8(1):1-3. Review. PubMed PMID: 15694849.

165: Calvo E, Pucciarelli MG, Bierne H, Cossart P, Albar JP, García-Del Portillo F. Analysis of the *Listeria* cell wall proteome by two-dimensional nanoliquid chromatography coupled to mass spectrometry. *Proteomics.* 2005 Feb;5(2):433-43. PubMed PMID: 15627966.

166: Herro R, Poncet S, Cossart P, Buchrieser C, Gouin E, Glaser P, Deutscher J. How seryl-phosphorylated HPr inhibits PrfA, a transcription activator of *Listeria*

monocytogenes virulence genes. *J Mol Microbiol Biotechnol.* 2005;9(3-4):224-34.
PubMed PMID: 16415595.

167: Lecuit M, Cossart P. [Molecular basis of *Listeria monocytogenes* fetoplacental tropism]. *Med Sci (Paris).* 2005 Jan;21(1):17-9. French. PubMed PMID: 15639011.

168: Veiga E, Cossart P. Ubiquitination of intracellular bacteria: a new bacteria-sensing system? *Trends Cell Biol.* 2005 Jan;15(1):2-5. Review. PubMed PMID: 15653071.

169: Pizarro-Cerdá J, Cossart P. Subversion of phosphoinositide metabolism by intracellular bacterial pathogens. *Nat Cell Biol.* 2004 Nov;6(11):1026-33. Review. PubMed PMID: 15516995.

170: Martinez JJ, Cossart P. Early signaling events involved in the entry of *Rickettsia conorii* into mammalian cells. *J Cell Sci.* 2004 Oct 1;117(Pt 21):5097-106. Epub 2004 Sep 21. PubMed PMID: 15383620.

171: Seveau S, Bierne H, Giroux S, Prévost MC, Cossart P. Role of lipid rafts in E-cadherin-- and HGF-R/Met--mediated entry of *Listeria monocytogenes* into host cells. *J Cell Biol.* 2004 Aug 30;166(5):743-53. PubMed PMID: 15337781; PubMed Central PMCID: PMC2172418.

172: Milohanic E, Jonquieres R, Glaser P, Dehoux P, Jacquet C, Berche P, Cossart P, Gaillard JL. Sequence and binding activity of the autolysin-adhesin Ami from epidemic *Listeria monocytogenes* 4b. *Infect Immun.* 2004 Aug;72(8):4401-9. PubMed PMID: 15271896; PubMed Central PMCID: PMC470693.

173: Dramsi S, Bourdichon F, Cabanes D, Lecuit M, Fsihi H, Cossart P. FbpA, a novel multifunctional *Listeria monocytogenes* virulence factor. *Mol Microbiol.* 2004 Jul;53(2):639-49. PubMed PMID: 15228540.

174: Pizarro-Cerdá J, Sousa S, Cossart P. Republication of the article "Exploitation of host cell cytoskeleton and signalling during *Listeria monocytogenes* entry into mammalian cells". *C R Biol.* 2004 Jun;327(6):521. PubMed PMID: 15332305.

175: Pizarro-Cerdá J, Sousa S, Cossart P. Exploitation of host cell cytoskeleton and signalling during *Listeria monocytogenes* entry into mammalian cells. *C R Biol.* 2004 Jun;327(6):523-31. Review. PubMed PMID: 15332304.

176: Jacquet C, Doumith M, Gordon JI, Martin PM, Cossart P, Lecuit M. A molecular marker for evaluating the pathogenic potential of foodborne *Listeria monocytogenes*. *J Infect Dis.* 2004 Jun 1;189(11):2094-100. Epub 2004 May 14. PubMed PMID: 15143478.

177: Lecuit M, Nelson DM, Smith SD, Khun H, Huerre M, Vacher-Lavenu MC, Gordon

JI, Cossart P. Targeting and crossing of the human maternofetal barrier by Listeria monocytogenes: role of internalin interaction with trophoblast E-cadherin. *Proc Natl Acad Sci U S A.* 2004 Apr 20;101(16):6152-7. Epub 2004 Apr 8. PubMed PMID: 15073336; PubMed Central PMCID: PMC395938.

178: Sousa S, Cabanes D, El-Amraoui A, Petit C, Lecuit M, Cossart P. Unconventional myosin VIIa and vezatin, two proteins crucial for Listeria entry into epithelial cells. *J Cell Sci.* 2004 Apr 15;117(Pt 10):2121-30. PubMed PMID: 15090598.

179: Cossart P, Sansonetti PJ. Bacterial invasion: the paradigms of enteroinvasive pathogens. *Science.* 2004 Apr 9;304(5668):242-8. Review. PubMed PMID: 15073367.

180: Marino M, Banerjee M, Copp J, Dramsi S, Chapman T, van der Geer P, Cossart P, Ghosh P. Characterization of the calcium-binding sites of Listeria monocytogenes InlB. *Biochem Biophys Res Commun.* 2004 Apr 2;316(2):379-86. PubMed PMID: 15020228.

181: Bierne H, Garandeau C, Pucciarelli MG, Sabet C, Newton S, Garcia-del Portillo F, Cossart P, Charbit A. Sortase B, a new class of sortase in Listeria monocytogenes. *J Bacteriol.* 2004 Apr;186(7):1972-82. PubMed PMID: 15028680; PubMed Central PMCID: PMC374393.

182: Cossart P. Bacterial invasion: a new strategy to dominate cytoskeleton plasticity. *Dev Cell.* 2004 Mar;6(3):314-5. PubMed PMID: 15030752.

183: Cabanes D, Dussurget O, Dehoux P, Cossart P. Auto, a surface associated autolysin of Listeria monocytogenes required for entry into eukaryotic cells and virulence. *Mol Microbiol.* 2004 Mar;51(6):1601-14. PubMed PMID: 15009888.

184: Pizarro-Cerdá J, Sousa S, Cossart P. Exploitation of host cell cytoskeleton and signalling during Listeria monocytogenes entry into mammalian cells. *C R Biol.* 2004 Feb;327(2):115-23. Review. PubMed PMID: 15060982.

185: Doumith M, Cazalet C, Simoes N, Frangeul L, Jacquet C, Kunst F, Martin P, Cossart P, Glaser P, Buchrieser C. New aspects regarding evolution and virulence of Listeria monocytogenes revealed by comparative genomics and DNA arrays. *Infect Immun.* 2004 Feb;72(2):1072-83. PubMed PMID: 14742555; PubMed Central PMCID: PMC321639.

186: Gouin E, Egile C, Dehoux P, Villiers V, Adams J, Gertler F, Li R, Cossart P. The RickA protein of Rickettsia conorii activates the Arp2/3 complex. *Nature.* 2004 Jan 29;427(6973):457-61. PubMed PMID: 14749835.

187: Dussurget O, Pizarro-Cerdá J, Cossart P. Molecular determinants of Listeria monocytogenes virulence. *Annu Rev Microbiol.* 2004;58:587-610. Review. PubMed PMID: 15487949.

- 188: Renesto P, Dehoux P, Gouin E, Touqui L, Cossart P, Raoult D. Identification and characterization of a phospholipase D-superfamily gene in rickettsiae. *J Infect Dis.* 2003 Nov 1;188(9):1276-83. Epub 2003 Oct 14. PubMed PMID: 14593584.
- 189: Gardan R, Cossart P, Labadie J; European Listeria Genome Consortium. Identification of *Listeria monocytogenes* genes involved in salt and alkaline-pH tolerance. *Appl Environ Microbiol.* 2003 Jun;69(6):3137-43. PubMed PMID: 12788708; PubMed Central PMCID: PMC161542.
- 190: Dramsi S, Cossart P. Listeriolysin O-mediated calcium influx potentiates entry of *Listeria monocytogenes* into the human Hep-2 epithelial cell line. *Infect Immun.* 2003 Jun;71(6):3614-8. PubMed PMID: 12761148; PubMed Central PMCID: PMC155716.
- 191: Johansson J, Cossart P. RNA-mediated control of virulence gene expression in bacterial pathogens. *Trends Microbiol.* 2003 Jun;11(6):280-5. Review. PubMed PMID: 12823945.
- 192: Buchrieser C, Rusniok C, Kunst F, Cossart P, Glaser P; Listeria Consortium. Comparison of the genome sequences of *Listeria monocytogenes* and *Listeria innocua*: clues for evolution and pathogenicity. *FEMS Immunol Med Microbiol.* 2003 Apr 1;35(3):207-13. Review. PubMed PMID: 12648839.
- 193: Milohanic E, Glaser P, Coppée JY, Frangeul L, Vega Y, Vázquez-Boland JA, Kunst F, Cossart P, Buchrieser C. Transcriptome analysis of *Listeria monocytogenes* identifies three groups of genes differently regulated by PrfA. *Mol Microbiol.* 2003 Mar;47(6):1613-25. PubMed PMID: 12622816.
- 194: Cossart P, Pizarro-Cerdá J, Lecuit M. Invasion of mammalian cells by *Listeria monocytogenes*: functional mimicry to subvert cellular functions. *Trends Cell Biol.* 2003 Jan;13(1):23-31. Review. PubMed PMID: 12480337.
- 195: Marino M, Banerjee M, Jonquieres R, Cossart P, Ghosh P. GW domains of the *Listeria monocytogenes* invasion protein InlB are SH3-like and mediate binding to host ligands. *EMBO J.* 2002 Nov 1;21(21):5623-34. PubMed PMID: 12411480; PubMed Central PMCID: PMC131055.
- 196: Lecuit M, Cossart P. Genetically-modified-animal models for human infections: the *Listeria* paradigm. *Trends Mol Med.* 2002 Nov;8(11):537-42. Review. PubMed PMID: 12421688.
- 197: Johansson J, Mandin P, Renzoni A, Chiaruttini C, Springer M, Cossart P. An RNA thermosensor controls expression of virulence genes in *Listeria monocytogenes*. *Cell.* 2002 Sep 6;110(5):551-61. PubMed PMID: 12230973.
- 198: Bierne H, Cossart P. InlB, a surface protein of *Listeria monocytogenes* that behaves as an invasin and a growth factor. *J Cell Sci.* 2002 Sep 1;115(Pt 17):3357-67. Review. PubMed PMID: 12154067.

199: Dussurget O, Cabanes D, Dehoux P, Lecuit M, Buchrieser C, Glaser P, Cossart P; European Listeria Genome Consortium. *Listeria monocytogenes* bile salt hydrolase is a PrfA-regulated virulence factor involved in the intestinal and hepatic phases of listeriosis. *Mol Microbiol*. 2002 Aug;45(4):1095-106. Erratum in: *Mol Microbiol* 2002 Nov;46(3):903. PubMed PMID: 12180927.

200: Cabanes D, Dehoux P, Dussurget O, Frangeul L, Cossart P. Surface proteins and the pathogenic potential of *Listeria monocytogenes*. *Trends Microbiol*. 2002 May;10(5):238-45. Review. PubMed PMID: 11973158.

201: Dramsi S, Cossart P. Listeriolysin O: a genuine cytolysin optimized for an intracellular parasite. *J Cell Biol*. 2002 Mar 18;156(6):943-6. Epub 2002 Mar 18. PubMed PMID: 11901162; PubMed Central PMCID: PMC2173465.

202: Jacquet C, Gouin E, Jeannel D, Cossart P, Rocourt J. Expression of ActA, Ami, InlB, and listeriolysin O in *Listeria monocytogenes* of human and food origin. *Appl Environ Microbiol*. 2002 Feb;68(2):616-22. PubMed PMID: 11823199; PubMed Central PMCID: PMC126661.

203: Pizarro-Cerdá J, Jonquières R, Gouin E, Vandekerckhove J, Garin J, Cossart P. Distinct protein patterns associated with *Listeria monocytogenes* InlA- or InlB-phagosomes. *Cell Microbiol*. 2002 Feb;4(2):101-15. PubMed PMID: 11896766.

204: Cossart P. Molecular and cellular basis of the infection by *Listeria monocytogenes*: an overview. *Int J Med Microbiol*. 2002 Feb;291(6-7):401-9. Review. PubMed PMID: 11890537.

205: Bierne H, Mazmanian SK, Trost M, Pucciarelli MG, Liu G, Dehoux P, Jänsch L, Garcia-del Portillo F, Schneewind O, Cossart P; European Listeria Genome Consortium. Inactivation of the srtA gene in *Listeria monocytogenes* inhibits anchoring of surface proteins and affects virulence. *Mol Microbiol*. 2002 Feb;43(4):869-81. PubMed PMID: 11929538.

206: Dalet K, Cenatiempo Y, Cossart P, Héchard Y; European Listeria Genome Consortium. A sigma(54)-dependent PTS permease of the mannose family is responsible for sensitivity of *Listeria monocytogenes* to mesentericin Y105. *Microbiology*. 2001 Dec;147(Pt 12):3263-9. PubMed PMID: 11739758.

207: Mansell A, Khelef N, Cossart P, O'Neill LA. Internalin B activates nuclear factor-kappa B via Ras, phosphoinositide 3-kinase, and Akt. *J Biol Chem*. 2001 Nov 23;276(47):43597-603. Epub 2001 Sep 24. PubMed PMID: 11571285.

208: Jonquières R, Pizarro-Cerdá J, Cossart P. Synergy between the N- and C-terminal domains of InlB for efficient invasion of non-phagocytic cells by *Listeria monocytogenes*. *Mol Microbiol*. 2001 Nov;42(4):955-65. PubMed PMID: 11737639.

209: Glaser P, Frangeul L, Buchrieser C, Rusniok C, Amend A, Baquero F, Berche P, Bloecker H, Brandt P, Chakraborty T, Charbit A, Chetouani F, Couvé E, de Daruvar A, Dehoux P, Domann E, Domínguez-Bernal G, Duchaud E, Durant L, Dussurget O, Entian KD, Fsihi H, García-del Portillo F, Garrido P, Gautier L, Goebel W, Gómez-López N, Hain T, Hauf J, Jackson D, Jones LM, Kaerst U, Kreft J, Kuhn M, Kunst F, Kurapkat G, Madueno E, Maitournam A, Vicente JM, Ng E, Nedjari H, Nordsiek G, Novella S, de Pablos B, Pérez-Diaz JC, Purcell R, Remmel B, Rose M, Schlueter T, Simoes N, Tierrez A, Vázquez-Boland JA, Voss H, Wehland J, Cossart P. Comparative genomics of *Listeria* species. *Science*. 2001 Oct 26;294(5543):849-52. PubMed PMID: 11679669.

210: Bierne H, Gouin E, Roux P, Caroni P, Yin HL, Cossart P. A role for cofilin and LIM kinase in *Listeria*-induced phagocytosis. *J Cell Biol*. 2001 Oct 1;155(1):101-12. Epub 2001 Sep 24. PubMed PMID: 11571311; PubMed Central PMCID: PMC2150789.

211: Boujemaa-Paterski R, Gouin E, Hansen G, Samarin S, Le Clainche C, Didry D, Dehoux P, Cossart P, Kocks C, Carlier MF, Pantaloni D. *Listeria* protein ActA mimics WASp family proteins: it activates filament barbed end branching by Arp2/3 complex. *Biochemistry*. 2001 Sep 25;40(38):11390-404. PubMed PMID: 11560487.

212: Ogata H, Audic S, Renesto-Audiffren P, Fournier PE, Barbe V, Samson D, Roux V, Cossart P, Weissenbach J, Claverie JM, Raoult D. Mechanisms of evolution in *Rickettsia conorii* and *R. prowazekii*. *Science*. 2001 Sep 14;293(5537):2093-8. PubMed PMID: 11557893.

213: Lecuit M, Vandormael-Pourrin S, Lefort J, Huerre M, Gounon P, Dupuy C, Babinet C, Cossart P. A transgenic model for listeriosis: role of internalin in crossing the intestinal barrier. *Science*. 2001 Jun 1;292(5522):1722-5. PubMed PMID: 11387478.

214: Milohanic E, Jonquieres R, Cossart P, Berche P, Gaillard JL. The autolysin Ami contributes to the adhesion of *Listeria monocytogenes* to eukaryotic cells via its cell wall anchor. *Mol Microbiol*. 2001 Mar;39(5):1212-24. PubMed PMID: 11251838.

215: Cossart P. Met, the HGF-SF receptor: another receptor for *Listeria monocytogenes*. *Trends Microbiol*. 2001 Mar;9(3):105-7. PubMed PMID: 11239771.

216: Cossart P, Bierne H. The use of host cell machinery in the pathogenesis of *Listeria monocytogenes*. *Curr Opin Immunol*. 2001 Feb;13(1):96-103. Review. PubMed PMID: 11154924.

217: Bierne H, Dramsi S, Gratacap MP, Randriamampita C, Carpenter G, Payrastre B, Cossart P. The invasion protein InIB from *Listeria monocytogenes* activates PLC-gamma1 downstream from PI 3-kinase. *Cell Microbiol*. 2000 Dec;2(6):465-76. PubMed PMID: 11207601.

218: Küssel-Andermann P, El-Amraoui A, Safieddine S, Nouaille S, Perfettini I, Lecuit M, Cossart P, Wolfrum U, Petit C. Vezatin, a novel transmembrane protein,

bridges myosin VIIA to the cadherin-catenins complex. *EMBO J.* 2000 Nov 15;19(22):6020-9. PubMed PMID: 11080149; PubMed Central PMCID: PMC305826.

219: Lecuit M, Hurme R, Pizarro-Cerda J, Ohayon H, Geiger B, Cossart P. A role for alpha-and beta-catenins in bacterial uptake. *Proc Natl Acad Sci U S A.* 2000 Aug 29;97(18):10008-13. PubMed PMID: 10963665; PubMed Central PMCID: PMC27655.

220: Marino M, Braun L, Cossart P, Ghosh P. A framework for interpreting the leucine-rich repeats of the *Listeria* internalins. *Proc Natl Acad Sci U S A.* 2000 Aug 1;97(16):8784-8. PubMed PMID: 10922035; PubMed Central PMCID: PMC34012.

221: Cossart P. Actin-based motility of pathogens: the Arp2/3 complex is a central player. *Cell Microbiol.* 2000 Jun;2(3):195-205. Review. PubMed PMID: 11207576.

222: Braun L, Cossart P. Interactions between *Listeria monocytogenes* and host mammalian cells. *Microbes Infect.* 2000 Jun;2(7):803-11. Review. PubMed PMID: 10955961.

223: Cossart P, Jonquieres R. Sortase, a universal target for therapeutic agents against gram-positive bacteria? *Proc Natl Acad Sci U S A.* 2000 May 9;97(10):5013-5. Review. PubMed PMID: 10805759; PubMed Central PMCID: PMC33977.

224: Braun L, Ghebrehiwet B, Cossart P. gC1q-R/p32, a C1q-binding protein, is a receptor for the InlB invasion protein of *Listeria monocytogenes*. *EMBO J.* 2000 Apr 3;19(7):1458-66. PubMed PMID: 10747014; PubMed Central PMCID: PMC310215.

225: Mansell A, Braun L, Cossart P, O'Neill LA. A novel function of InIB from *Listeria monocytogenes*: activation of NF-kappaB in J774 macrophages. *Cell Microbiol.* 2000 Apr;2(2):127-36. PubMed PMID: 11207569.

226: Steffen P, Schafer DA, David V, Gouin E, Cooper JA, Cossart P. *Listeria monocytogenes* ActA protein interacts with phosphatidylinositol 4,5-bisphosphate in vitro. *Cell Motil Cytoskeleton.* 2000 Jan;45(1):58-66. PubMed PMID: 10618167.

227: Marino M, Braun L, Cossart P, Ghosh P. Structure of the InlB leucine-rich repeats, a domain that triggers host cell invasion by the bacterial pathogen *L. monocytogenes*. *Mol Cell.* 1999 Dec;4(6):1063-72. PubMed PMID: 10635330.

228: Jonquieres R, Bierne H, Fiedler F, Gounon P, Cossart P. Interaction between the protein InlB of *Listeria monocytogenes* and lipoteichoic acid: a novel mechanism of protein association at the surface of gram-positive bacteria. *Mol Microbiol.* 1999 Dec;34(5):902-14. PubMed PMID: 10594817.

229: Renzoni A, Cossart P, Dramsi S. PrfA, the transcriptional activator of virulence genes, is upregulated during interaction of *Listeria monocytogenes* with mammalian cells and in eukaryotic cell extracts. *Mol Microbiol.* 1999 Nov;34(3):552-61. PubMed PMID: 10564496.

230: Edelson BT, Cossart P, Unanue ER. Cutting edge: paradigm revisited: antibody provides resistance to Listeria infection. *J Immunol.* 1999 Oct 15;163(8):4087-90. PubMed PMID: 10510340.

231: Braun L, Nato F, Payrastre B, Mazié JC, Cossart P. The 213-amino-acid leucine-rich repeat region of the listeria monocytogenes InlB protein is sufficient for entry into mammalian cells, stimulation of PI 3-kinase and membrane ruffling. *Mol Microbiol.* 1999 Oct;34(1):10-23. PubMed PMID: 10540282.

232: Lecuit M, Dramsi S, Gottardi C, Fedor-Chaiken M, Gumbiner B, Cossart P. A single amino acid in E-cadherin responsible for host specificity towards the human pathogen Listeria monocytogenes. *EMBO J.* 1999 Jul 15;18(14):3956-63. PubMed PMID: 10406800; PubMed Central PMCID: PMC1171471.

233: Ireton K, Payrastre B, Cossart P. The Listeria monocytogenes protein InlB is an agonist of mammalian phosphoinositide 3-kinase. *J Biol Chem.* 1999 Jun 11;274(24):17025-32. PubMed PMID: 10358053.

234: Gouin E, Gantelet H, Egile C, Lasa I, Ohayon H, Villiers V, Gounon P, Sansonetti PJ, Cossart P. A comparative study of the actin-based motilities of the pathogenic bacteria Listeria monocytogenes, Shigella flexneri and Rickettsia conorii. *J Cell Sci.* 1999 Jun;112 (Pt 11):1697-708. PubMed PMID: 10318762.

235: Dalet K, Gouin E, Cenatiempo Y, Cossart P, Héchard Y. Characterisation of a new operon encoding a Zur-like protein and an associated ABC zinc permease in Listeria monocytogenes. *FEMS Microbiol Lett.* 1999 May 1;174(1):111-6. PubMed PMID: 10234828.

236: Castellano F, Montcourrier P, Guillemot JC, Gouin E, Machesky L, Cossart P, Chavrier P. Inducible recruitment of Cdc42 or WASP to a cell-surface receptor triggers actin polymerization and filopodium formation. *Curr Biol.* 1999 Apr 8;9(7):351-60. PubMed PMID: 10209117.

237: Promadej N, Fiedler F, Cossart P, Dramsi S, Kathariou S. Cell wall teichoic acid glycosylation in Listeria monocytogenes serotype 4b requires gtcA, a novel, serogroup-specific gene. *J Bacteriol.* 1999 Jan;181(2):418-25. PubMed PMID: 9882654; PubMed Central PMCID: PMC93394.

238: Callebaut I, Cossart P, Dehoux P. EVH1/WH1 domains of VASP and WASP proteins belong to a large family including Ran-binding domains of the RanBP1 family. *FEBS Lett.* 1998 Dec 18;441(2):181-5. PubMed PMID: 9883880.

239: Michel E, Mengaud J, Galsworthy S, Cossart P. Characterization of a large motility gene cluster containing the cheR, motAB genes of Listeria monocytogenes and evidence that PrfA downregulates motility genes. *FEMS Microbiol Lett.* 1998 Dec 15;169(2):341-7. PubMed PMID: 9868779.

- 240: David V, Gouin E, Troys MV, Grogan A, Segal AW, Ampe C, Cossart P. Identification of cofilin, coronin, Rac and capZ in actin tails using a Listeria affinity approach. *J Cell Sci.* 1998 Oct;111 (Pt 19):2877-84. PubMed PMID: 9730980.
- 241: Dramsi S, Lévi S, Triller A, Cossart P. Entry of *Listeria monocytogenes* into neurons occurs by cell-to-cell spread: an in vitro study. *Infect Immun.* 1998 Sep;66(9):4461-8. PubMed PMID: 9712801; PubMed Central PMCID: PMC108539.
- 242: Cossart P, Lecuit M. Interactions of *Listeria monocytogenes* with mammalian cells during entry and actin-based movement: bacterial factors, cellular ligands and signaling. *EMBO J.* 1998 Jul 15;17(14):3797-806. Review. PubMed PMID: 9669997; PubMed Central PMCID: PMC1170715.
- 243: Jonquieres R, Bierne H, Mengaud J, Cossart P. The *inlA* gene of *Listeria monocytogenes* L028 harbors a nonsense mutation resulting in release of internalin. *Infect Immun.* 1998 Jul;66(7):3420-2. PubMed PMID: 9632615; PubMed Central PMCID: PMC108362.
- 244: Lasa I, Dehoux P, Cossart P. Actin polymerization and bacterial movement. *Biochim Biophys Acta.* 1998 Apr 24;1402(3):217-28. Review. PubMed PMID: 9606980.
- 245: Ireton K, Cossart P. Interaction of invasive bacteria with host signaling pathways. *Curr Opin Cell Biol.* 1998 Apr;10(2):276-83. Review. PubMed PMID: 9561853.
- 246: Braun L, Ohayon H, Cossart P. The *InIB* protein of *Listeria monocytogenes* is sufficient to promote entry into mammalian cells. *Mol Microbiol.* 1998 Mar;27(5):1077-87. PubMed PMID: 9535096.
- 247: Dramsi S, Cossart P. Intracellular pathogens and the actin cytoskeleton. *Annu Rev Cell Dev Biol.* 1998;14:137-66. Review. PubMed PMID: 9891781.
- 248: Cossart P. Interactions of the bacterial pathogen *Listeria monocytogenes* with mammalian cells: bacterial factors, cellular ligands, and signaling. *Folia Microbiol (Praha).* 1998;43(3):291-303. Review. PubMed PMID: 9717257.
- 249: Heffron S, Moe GR, Sieber V, Mengaud J, Cossart P, Vitali J, Jurnak F. Sequence profile of the parallel beta helix in the pectate lyase superfamily. *J Struct Biol.* 1998;122(1-2):223-35. PubMed PMID: 9724624.
- 250: Lecuit M, Ohayon H, Braun L, Mengaud J, Cossart P. Internalin of *Listeria monocytogenes* with an intact leucine-rich repeat region is sufficient to promote internalization. *Infect Immun.* 1997 Dec;65(12):5309-19. PubMed PMID: 9393831; PubMed Central PMCID: PMC175764.
- 251: Robichon D, Gouin E, Débarbouillé M, Cossart P, Cenatiempo Y, Héchard Y. The *rpoN* (sigma54) gene from *Listeria monocytogenes* is involved in resistance to

mesentericin Y105, an antibacterial peptide from *Leuconostoc mesenteroides*. *J Bacteriol.* 1997 Dec;179(23):7591-4. PubMed PMID: 9393729; PubMed Central PMCID: PMC179715.

252: Mourrain P, Lasa I, Gautreau A, Gouin E, Pugsley A, Cossart P. ActA is a dimer. *Proc Natl Acad Sci U S A.* 1997 Sep 16;94(19):10034-9. PubMed PMID: 9294158; PubMed Central PMCID: PMC23296.

253: Braun L, Dramsi S, Dehoux P, Bierne H, Lindahl G, Cossart P. InlB: an invasion protein of *Listeria monocytogenes* with a novel type of surface association. *Mol Microbiol.* 1997 Jul;25(2):285-94. PubMed PMID: 9282740.

254: Cossart P. Host/pathogen interactions. Subversion of the mammalian cell cytoskeleton by invasive bacteria. *J Clin Invest.* 1997 May 15;99(10):2307-11. Review. PubMed PMID: 9153269; PubMed Central PMCID: PMC508066.

255: Finlay BB, Cossart P. Exploitation of mammalian host cell functions by bacterial pathogens. *Science.* 1997 May 2;276(5313):718-25. Review. Erratum in: *Science* 1997 Oct 17;278(5337):373. PubMed PMID: 9115192.

256: Dramsi S, Dehoux P, Lebrun M, Goossens PL, Cossart P. Identification of four new members of the internalin multigene family of *Listeria monocytogenes* EGD. *Infect Immun.* 1997 May;65(5):1615-25. PubMed PMID: 9125538; PubMed Central PMCID: PMC175184.

257: Lasa I, Gouin E, Goethals M, Vancompernolle K, David V, Vandekerckhove J, Cossart P. Identification of two regions in the N-terminal domain of ActA involved in the actin comet tail formation by *Listeria monocytogenes*. *EMBO J.* 1997 Apr 1;16(7):1531-40. PubMed PMID: 9130698; PubMed Central PMCID: PMC1169757.

258: Renzoni A, Klarsfeld A, Dramsi S, Cossart P. Evidence that PrfA, the pleiotropic activator of virulence genes in *Listeria monocytogenes*, can be present but inactive. *Infect Immun.* 1997 Apr;65(4):1515-8. PubMed PMID: 9119495; PubMed Central PMCID: PMC175161.

259: Mengaud J, Ohayon H, Gounon P, Mege RM, Cossart P. Grand entry for *Listeria*. *Gastroenterology.* 1997 Mar;112(3):1045-6. PubMed PMID: 9041273.

260: Ireton K, Cossart P. Host-pathogen interactions during entry and actin-based movement of *Listeria monocytogenes*. *Annu Rev Genet.* 1997;31:113-38. Review. PubMed PMID: 9442892.

261: Mengaud J, Lecuit M, Lebrun M, Nato F, Mazie JC, Cossart P. Antibodies to the leucine-rich repeat region of internalin block entry of *Listeria monocytogenes* into cells expressing E-cadherin. *Infect Immun.* 1996 Dec;64(12):5430-3. PubMed PMID: 8945603; PubMed Central PMCID: PMC174545.

262: Ireton K, Payrastre B, Chap H, Ogawa W, Sakaue H, Kasuga M, Cossart P. A

role for phosphoinositide 3-kinase in bacterial invasion. *Science*. 1996 Nov 1;274(5288):780-2. Erratum in: *Science* 1997 Jan 24;275(5299):464. PubMed PMID: 8864117.

263: Lebrun M, Mengaud J, Ohayon H, Nato F, Cossart P. Internalin must be on the bacterial surface to mediate entry of *Listeria monocytogenes* into epithelial cells. *Mol Microbiol*. 1996 Aug;21(3):579-92. PubMed PMID: 8866480.

264: Tang P, Rosenshine I, Cossart P, Finlay BB. Listeriolysin O activates mitogen-activated protein kinase in eucaryotic cells. *Infect Immun*. 1996 Jun;64(6):2359-61. PubMed PMID: 8675352; PubMed Central PMCID: PMC174081.

265: Sheehan B, Klarsfeld A, Ebright R, Cossart P. A single substitution in the putative helix-turn-helix motif of the pleiotropic activator PrfA attenuates *Listeria monocytogenes* virulence. *Mol Microbiol*. 1996 May;20(4):785-97. PubMed PMID: 8793875.

266: Mengaud J, Ohayon H, Gounon P, Mege R-M, Cossart P. E-cadherin is the receptor for internalin, a surface protein required for entry of *L. monocytogenes* into epithelial cells. *Cell*. 1996 Mar 22;84(6):923-32. PubMed PMID: 8601315.

267: Lasa I, Cossart P. Actin-based bacterial motility: towards a definition of the minimal requirements. *Trends Cell Biol*. 1996 Mar;6(3):109-14. PubMed PMID: 15157487.

268: Cossart P, Boquet P, Normark S, Rappuoli R. Cellular microbiology emerging. *Science*. 1996 Jan 19;271(5247):315-6. Review. PubMed PMID: 8553065.

269: Dramsi S, Lebrun M, Cossart P. Molecular and genetic determinants involved in invasion of mammalian cells by *Listeria monocytogenes*. *Curr Top Microbiol Immunol*. 1996;209:61-77. Review. PubMed PMID: 8742246.

270: Cudmore S, Cossart P, Griffiths G, Way M. Actin-based motility of vaccinia virus. *Nature*. 1995 Dec 7;378(6557):636-8. PubMed PMID: 8524400.

271: Sanchez-Campillo M, Dramsi S, Gómez-Gómez JM, Michel E, Dehoux P, Cossart P, Baquero F, Pérez-Díaz JC. Modulation of DNA topology by flaR, a new gene from *Listeria monocytogenes*. *Mol Microbiol*. 1995 Dec;18(5):801-11. PubMed PMID: 8825084.

272: Milon G, Cossart P. Live recombinant *Listeria monocytogenes* as an immunotherapeutic agent for experimental tumors. *Trends Microbiol*. 1995 Dec;3(12):451-2; discussion 453. PubMed PMID: 8800833.

273: Sheehan B, Klarsfeld A, Msadek T, Cossart P. Differential activation of virulence gene expression by PrfA, the *Listeria monocytogenes* virulence regulator. *J Bacteriol*. 1995 Nov;177(22):6469-76. PubMed PMID: 7592422; PubMed Central PMCID: PMC177497.

274: Lasa I, David V, Gouin E, Marchand JB, Cossart P. The amino-terminal part of ActA is critical for the actin-based motility of *Listeria monocytogenes*; the central proline-rich region acts as a stimulator. *Mol Microbiol*. 1995 Nov;18(3):425-36. PubMed PMID: 8748027.

275: Kocks C, Marchand JB, Gouin E, d'Hauteville H, Sansonetti PJ, Carlier MF, Cossart P. The unrelated surface proteins ActA of *Listeria monocytogenes* and IcsA of *Shigella flexneri* are sufficient to confer actin-based motility on *Listeria innocua* and *Escherichia coli* respectively. *Mol Microbiol*. 1995 Nov;18(3):413-23. PubMed PMID: 8748026.

276: Gouin E, Dehoux P, Mengaud J, Kocks C, Cossart P. iactA of *Listeria ivanovii*, although distantly related to *Listeria monocytogenes* actA, restores actin tail formation in an *L. monocytogenes* actA mutant. *Infect Immun*. 1995 Jul;63(7):2729-37. PubMed PMID: 7790091; PubMed Central PMCID: PMC173365.

277: Marchand JB, Moreau P, Paoletti A, Cossart P, Carlier MF, Pantaloni D. Actin-based movement of *Listeria monocytogenes*: actin assembly results from the local maintenance of uncapped filament barbed ends at the bacterium surface. *J Cell Biol*. 1995 Jul;130(2):331-43. PubMed PMID: 7615635; PubMed Central PMCID: PMC2199942.

278: Friederich E, Gouin E, Hellio R, Kocks C, Cossart P, Louvard D. Targeting of *Listeria monocytogenes* ActA protein to the plasma membrane as a tool to dissect both actin-based cell morphogenesis and ActA function. *EMBO J*. 1995 Jun 15;14(12):2731-44. PubMed PMID: 7796802; PubMed Central PMCID: PMC398392.

279: Goossens PL, Milon G, Cossart P, Saron MF. Attenuated *Listeria monocytogenes* as a live vector for induction of CD8+ T cells in vivo: a study with the nucleoprotein of the lymphocytic choriomeningitis virus. *Int Immunol*. 1995 May;7(5):797-805. PubMed PMID: 7547706.

280: Dramsi S, Biswas I, Maguin E, Braun L, Mastroeni P, Cossart P. Entry of *Listeria monocytogenes* into hepatocytes requires expression of inIB, a surface protein of the internalin multigene family. *Mol Microbiol*. 1995 Apr;16(2):251-61. PubMed PMID: 7565087.

281: Cossart P. Actin-based bacterial motility. *Curr Opin Cell Biol*. 1995 Feb;7(1):94-101. Review. PubMed PMID: 7755995.

282: Dehoux P, Cossart P. Homologies between salmolysin and some bacterial regulatory proteins. *Mol Microbiol*. 1995 Feb;15(3):591. PubMed PMID: 7783629.

283: Gouin E, Mengaud J, Cossart P. The virulence gene cluster of *Listeria monocytogenes* is also present in *Listeria ivanovii*, an animal pathogen, and *Listeria seeligeri*, a nonpathogenic species. *Infect Immun*. 1994 Aug;62(8):3550-3. PubMed PMID: 8039927; PubMed Central PMC302991.

- 284: Klarsfeld AD, Goossens PL, Cossart P. Five *Listeria monocytogenes* genes preferentially expressed in infected mammalian cells: *plcA*, *purH*, *purD*, *pyrE* and an arginine ABC transporter gene, *arpJ*. *Mol Microbiol*. 1994 Aug;13(4):585-97. PubMed PMID: 7997171.
- 285: Cossart P, Kocks C. The actin-based motility of the facultative intracellular pathogen *Listeria monocytogenes*. *Mol Microbiol*. 1994 Aug;13(3):395-402. Review. PubMed PMID: 7997157.
- 286: Lebrun M, Audurier A, Cossart P. Plasmid-borne cadmium resistance genes in *Listeria monocytogenes* are present on Tn5422, a novel transposon closely related to Tn917. *J Bacteriol*. 1994 May;176(10):3049-61. PubMed PMID: 8188606; PubMed Central PMCID: PMC205463.
- 287: Lebrun M, Audurier A, Cossart P. Plasmid-borne cadmium resistance genes in *Listeria monocytogenes* are similar to *cadA* and *cadC* of *Staphylococcus aureus* and are induced by cadmium. *J Bacteriol*. 1994 May;176(10):3040-8. PubMed PMID: 8188605; PubMed Central PMCID: PMC205462.
- 288: Sheehan B, Kocks C, Dramsi S, Gouin E, Klarsfeld AD, Mengaud J, Cossart P. Molecular and genetic determinants of the *Listeria monocytogenes* infectious process. *Curr Top Microbiol Immunol*. 1994;192:187-216. Review. PubMed PMID: 7859506.
- 289: Gaillard JL, Dramsi S, Berche P, Cossart P. Molecular cloning and expression of internalin in *Listeria*. *Methods Enzymol*. 1994;236:551-65. PubMed PMID: 7968639.
- 290: Falzano L, Fiorentini C, Donelli G, Michel E, Kocks C, Cossart P, Cabanié L, Oswald E, Boquet P. Induction of phagocytic behaviour in human epithelial cells by *Escherichia coli* cytotoxic necrotizing factor type 1. *Mol Microbiol*. 1993 Sep;9(6):1247-54. PubMed PMID: 7934938.
- 291: Dramsi S, Kocks C, Forestier C, Cossart P. Internalin-mediated invasion of epithelial cells by *Listeria monocytogenes* is regulated by the bacterial growth state, temperature and the pleiotropic activator *prfA*. *Mol Microbiol*. 1993 Sep;9(5):931-41. PubMed PMID: 7934921.
- 292: Dramsi S, Dehoux P, Cossart P. Common features of gram-positive bacterial proteins involved in cell recognition. *Mol Microbiol*. 1993 Sep;9(5):1119-21. PubMed PMID: 7934917.
- 293: Kocks C, Cossart P. Directional actin assembly by *Listeria monocytogenes* at the site of polar surface expression of the *actA* gene product involving the actin-bundling protein plastin (fimbrin). *Infect Agents Dis*. 1993 Aug;2(4):207-9. PubMed PMID: 8173794.
- 294: Kocks C, Hellio R, Gounon P, Ohayon H, Cossart P. Polarized distribution of

Listeria monocytogenes surface protein ActA at the site of directional actin assembly. *J Cell Sci.* 1993 Jul;105 (Pt 3):699-710. PubMed PMID: 8408297.

295: Michel E, Cossart P. Physical map of the Listeria monocytogenes chromosome. *J Bacteriol.* 1992 Nov;174(22):7098-103. PubMed PMID: 1385384; PubMed Central PMCID: PMC207398.

296: Portnoy DA, Chakraborty T, Goebel W, Cossart P. Molecular determinants of Listeria monocytogenes pathogenesis. *Infect Immun.* 1992 Apr;60(4):1263-7. Review. PubMed PMID: 1312514; PubMed Central PMCID: PMC256991.

297: Bohnert M, Dilasser F, Dalet C, Mengaud J, Cossart P. Use of specific oligonucleotides for direct enumeration of Listeria monocytogenes in food samples by colony hybridization and rapid detection by PCR. *Res Microbiol.* 1992 Mar-Apr;143(3):271-80. PubMed PMID: 1448613.

298: Kocks C, Gouin E, Tabouret M, Berche P, Ohayon H, Cossart P. L. monocytogenes-induced actin assembly requires the *actA* gene product, a surface protein. *Cell.* 1992 Feb 7;68(3):521-31. PubMed PMID: 1739966.

299: Vazquez-Boland JA, Kocks C, Dramsi S, Ohayon H, Geoffroy C, Mengaud J, Cossart P. Nucleotide sequence of the lecithinase operon of Listeria monocytogenes and possible role of lecithinase in cell-to-cell spread. *Infect Immun.* 1992 Jan;60(1):219-30. PubMed PMID: 1309513; PubMed Central PMCID: PMC257526.

300: Nato F, Reich K, Lhopital S, Rouyre S, Geoffroy C, Mazie JC, Cossart P. Production and characterization of neutralizing and nonneutralizing monoclonal antibodies against listeriolysin O. *Infect Immun.* 1991 Dec;59(12):4641-6. PubMed PMID: 1937824; PubMed Central PMCID: PMC259090.

301: Mengaud J, Dramsi S, Gouin E, Vazquez-Boland JA, Milon G, Cossart P. Pleiotropic control of Listeria monocytogenes virulence factors by a gene that is autoregulated. *Mol Microbiol.* 1991 Sep;5(9):2273-83. PubMed PMID: 1662763.

302: Gaillard JL, Berche P, Frehel C, Gouin E, Cossart P. Entry of L. monocytogenes into cells is mediated by internalin, a repeat protein reminiscent of surface antigens from gram-positive cocci. *Cell.* 1991 Jun 28;65(7):1127-41. PubMed PMID: 1905979.

303: Mengaud J, Geoffroy C, Cossart P. Identification of a new operon involved in Listeria monocytogenes virulence: its first gene encodes a protein homologous to bacterial metalloproteases. *Infect Immun.* 1991 Mar;59(3):1043-9. PubMed PMID: 1705239; PubMed Central PMCID: PMC258365.

304: Mengaud J, Braun-Breton C, Cossart P. Identification of phosphatidylinositol-specific phospholipase C activity in Listeria monocytogenes: a novel type of virulence factor? *Mol Microbiol.* 1991 Feb;5(2):367-72. PubMed PMID: 1645839.

305: Geoffroy C, Mengaud J, Alouf JE, Cossart P. Alveolysin, the thiol-activated toxin of *Bacillus alvei*, is homologous to listeriolysin O, perfringolysin O, pneumolysin, and streptolysin O and contains a single cysteine. *J Bacteriol.* 1990 Dec;172(12):7301-5. PubMed PMID: 2254290; PubMed Central PMCID: PMC210863.

306: Michel E, Reich KA, Favier R, Berche P, Cossart P. Attenuated mutants of the intracellular bacterium *Listeria monocytogenes* obtained by single amino acid substitutions in listeriolysin O. *Mol Microbiol.* 1990 Dec;4(12):2167-78. PubMed PMID: 1965218.

307: Berche P, Reich KA, Bonnichon M, Beretti JL, Geoffroy C, Raveneau J, Cossart P, Gaillard JL, Geslin P, Kreis H, et al. Detection of anti-listeriolysin O for serodiagnosis of human listeriosis. *Lancet.* 1990 Mar 17;335(8690):624-7. PubMed PMID: 1969016.

308: Mengaud J, Vicente MF, Cossart P. Transcriptional mapping and nucleotide sequence of the *Listeria monocytogenes* hlyA region reveal structural features that may be involved in regulation. *Infect Immun.* 1989 Dec;57(12):3695-701. PubMed PMID: 2509367; PubMed Central PMCID: PMC259892.

309: Cossart P, Vicente MF, Mengaud J, Baquero F, Perez-Diaz JC, Berche P. Listeriolysin O is essential for virulence of *Listeria monocytogenes*: direct evidence obtained by gene complementation. *Infect Immun.* 1989 Nov;57(11):3629-36. PubMed PMID: 2509366; PubMed Central PMCID: PMC259877.

310: Gormley E, Mengaud J, Cossart P. Sequences homologous to the listeriolysin O gene region of *Listeria monocytogenes* are present in virulent and avirulent haemolytic species of the genus *Listeria*. *Res Microbiol.* 1989 Nov-Dec;140(9):631-43. PubMed PMID: 2516637.

311: Cossart P, Mengaud J. *Listeria monocytogenes*. A model system for the molecular study of intracellular parasitism. *Mol Biol Med.* 1989 Oct;6(5):463-74. Review. PubMed PMID: 2516599.

312: Chenevert J, Mengaud J, Gormley E, Cossart P. A DNA probe specific for *L. monocytogenes* in the genus *Listeria*. *Int J Food Microbiol.* 1989 Jul;8(4):317-9. PubMed PMID: 2518322.

313: Mengaud J, Vicente MF, Chenevert J, Geoffroy C, Baquero F, Perez-Diaz JC, Cossart P. A genetic approach to demonstrate the role of listeriolysin O in the virulence of *Listeria monocytogenes*. *Acta Microbiol Hung.* 1989;36(2-3):177-82. PubMed PMID: 2561037.

314: Vicente MF, Mengaud J, Chenevert J, Pérez-Díaz JC, Geoffroy C, Baquero F, Cossart P, Berche P. Reacquisition of virulence of haemolysin-negative *Listeria monocytogenes* mutants by complementation with a plasmid carrying the hlyA gene. *Acta Microbiol Hung.* 1989;36(2-3):199-203. PubMed PMID: 2517165.

315: Mengaud J, Vicente MF, Chenevert J, Pereira JM, Geoffroy C, Gicquel-Sanzey B, Baquero F, Perez-Diaz JC, Cossart P. Expression in *Escherichia coli* and sequence analysis of the listeriolysin O determinant of *Listeria monocytogenes*. *Infect Immun.* 1988 Apr;56(4):766-72. PubMed PMID: 3126142; PubMed Central PMCID: PMC259368.

316: Cossart P. The listeriolysin O gene: a chromosomal locus crucial for the virulence of *Listeria monocytogenes*. *Infection.* 1988;16 Suppl 2:S157-9. PubMed PMID: 2843472.

317: Mengaud J, Chenevert J, Geoffroy C, Gaillard JL, Cossart P. Identification of the structural gene encoding the SH-activated hemolysin of *Listeria monocytogenes*: listeriolysin O is homologous to streptolysin O and pneumolysin. *Infect Immun.* 1987 Dec;55(12):3225-7. PubMed PMID: 2824384; PubMed Central PMCID: PMC260057.

318: Vicente MF, Baquero F, Cossart P, Pérez-Díaz JC. Cloning of two possible haemolysin determinants from *Listeria monocytogenes*. *Ann Inst Pasteur Microbiol.* 1987 May-Jun;138(3):385-7. PubMed PMID: 3113460.

319: Cossart P, Groisman EA, Serre MC, Casadaban MJ, Gicquel-Sanzey B. crp genes of *Shigella flexneri*, *Salmonella typhimurium*, and *Escherichia coli*. *J Bacteriol.* 1986 Aug;167(2):639-46. PubMed PMID: 3525518; PubMed Central PMCID: PMC212937.

320: Mazodier P, Cossart P, Giraud E, Gasser F. Completion of the nucleotide sequence of the central region of Tn5 confirms the presence of three resistance genes. *Nucleic Acids Res.* 1985 Jan 11;13(1):195-205. PubMed PMID: 3889831; PubMed Central PMCID: PMC340984.

321: Cossart P, Gicquel-Sanzey B. Regulation of expression of the crp gene of *Escherichia coli* K-12: in vivo study. *J Bacteriol.* 1985 Jan;161(1):454-7. PubMed PMID: 2981809; PubMed Central PMCID: PMC214896.

322: Ebright RH, Cossart P, Gicquel-Sanzey B, Beckwith J. Molecular basis of DNA sequence recognition by the catabolite gene activator protein: detailed inferences from three mutations that alter DNA sequence specificity. *Proc Natl Acad Sci U S A.* 1984 Dec;81(23):7274-8. PubMed PMID: 6390433; PubMed Central PMCID: PMC392128.

323: Ebright RH, Cossart P, Gicquel-Sanzey B, Beckwith J. Mutations that alter the DNA sequence specificity of the catabolite gene activator protein of *E. coli*. *Nature.* 1984 Sep 20-26;311(5983):232-5. PubMed PMID: 6090927.

324: Parsot C, Cossart P, Saint-Girons I, Cohen GN. Nucleotide sequence of thrc and of the transcription termination region of the threonine operon in *Escherichia coli* K12. *Nucleic Acids Res.* 1983 Nov 11;11(21):7331-45. PubMed PMID: 6316258; PubMed Central PMCID: PMC326486.

325: Cossart P, Gicquel-Sanzey B. Cloning and sequence of the crp gene of *Escherichia coli* K 12. *Nucleic Acids Res.* 1982 Feb 25;10(4):1363-78. PubMed PMID: 6280141; PubMed Central PMCID: PMC320531.

326: Raibaud O, Débarbouillé M, Cossart P. [Clonage of the "malA" region of "Escherichia coli" K12: nucleotide sequence of the regulatory region and the promoters, identification and purification of the MalT-activator protein (author's transl)]. *Ann Microbiol (Paris)*. 1982 Jan;133A(1):59-63. French. PubMed PMID: 6462088.

327: Gicquel-Sanzey B, Cossart P. Homologies between different prokaryotic DNA-binding regulatory proteins and between their sites of action. *EMBO J.* 1982;1(5):591-5. PubMed PMID: 6234163; PubMed Central PMCID: PMC553092.

328: Parsot C, Saint-Girons I, Cossart P. DNA sequence change of a deletion mutation abolishing attenuation control of the threonine operon of *E. coli* K12. *Mol Gen Genet.* 1982;188(3):455-8. PubMed PMID: 6298575.

329: Debarbouille M, Cossart P, Raibaud O. A DNA sequence containing the control sites for gene malt and for the malPQ operon. *Mol Gen Genet.* 1982;185(1):88-92. PubMed PMID: 6283313.

330: Cossart P, Katinka M, Yaniv M. Nucleotide sequence of the thrB gene of *E. coli*, and its two adjacent regions; the thrAB and thrBC junctions. *Nucleic Acids Res.* 1981 Jan 24;9(2):339-47. PubMed PMID: 6259626; PubMed Central PMCID: PMC326696.

331: Katinka M, Cossart P, Sibilli L, Saint-Girons I, Chalvignac MA, Le Bras G, Cohen GN, Yaniv M. Nucleotide sequence of the thrA gene of *Escherichia coli*. *Proc Natl Acad Sci U S A.* 1980 Oct;77(10):5730-3. PubMed PMID: 7003595; PubMed Central PMCID: PMC350143.

332: Cossart P, Katinka M, Yaniv M, Saint Girons I, Cohen GN. Construction and expression of a hybrid plasmid containing the *Escherichia coli* thrA and thrB genes. *Mol Gen Genet.* 1979 Aug;175(1):39-44. PubMed PMID: 390305.

333: Sibilli L, Le Bras G, Cossart P, Chalvignac MA, Le Bras G, Briley PA, Cohen GN. The primary structure of *Escherichia coli* K 12 aspartokinase I-homoserine dehydrogenase I : sequence of cyanogen bromide peptide CB 3. *Biochimie.* 1979;61(5-6):733-9. PubMed PMID: 387092.

334: Briley PA, Sibilli L, Chalvignac MA, Cossart P, Le Bras G, De Wolf A, Cohen GN. The primary structure of *Escherichia coli* K12 aspartokinase I-homoserine dehydrogenase I. Site of limited proteolytic cleavage by subtilisin. *J Biol Chem.* 1978 Dec 25;253(24):8867-71. PubMed PMID: 363710.

335: Sibilli L, Cossart P, Chalvignac MA, Briley PA, Costrejean JM, Le Bras G, Cohen GN. The primary structure of *Escherichia coli* K12 aspartokinase I-homoserine dehydrogenase I. Distribution of the methioninyl residues and of the

cysteinyl and tryptophanyl tryptic peptides. *Biochimie.* 1977;59(11-12):943-6.
PubMed PMID: 343821.