

Appendix 4

APC Publications

APC Annual Report 2009-2010

Category A: CSET funded Publications

Category B: APC-associated Publications

Category A: CSET funded	Core/ industry partner
Alemayehu D, Ross RP, O'Sullivan O, Coffey A, Stanton C, Fitzgerald GF, McAuliffe O. Genome of a virulent bacteriophage Lb338-1 that lyses the probiotic <i>Lactobacillus paracasei</i> cheese strain. <i>Gene</i> . 2009 Dec 1;448(1):29-39. Epub 2009.	1,5
Bravo JA, Dinan TG, Cryan JF. Alterations in the central CRF system of two different rat models of comorbid depression and functional gastrointestinal disorders. <i>Int J Neuropsychopharmacol</i> . 2010 Sep 22:1-18. [Epub ahead of print] PMID: 20860876	6
Claesson, M. J., S. Cusack, O. O'Sullivan, R. Greene-Diniz, H. de Weerd, E. Flannery, J. R. Marchesi, D. Falush, T. Dinan, G. F. Fitzgerald, C. Stanton, D. van Sinderen, M. O'Connor, N. Harnedy, K. O'Connor, C. Henry, D. O'Mahony, A. P. Fitzgerald, F. Shanahan, C. Twomey, C. Hill, R. P. Ross, and P. W. O'Toole. 2010. Composition, variability and temporal stability of the intestinal microbiota of the elderly. <i>Proc. Nat. Acad. Sci. USA. Proc Natl Acad Sci U S A</i> . 2010 Jun 22. [Epub ahead of print] PMID: 20571116 [PubMed - as supplied by publisher]	Elder Met, 1,2,3 ,4,5, 6
Clarke G, Fitzgerald P, Hennessy AA, Cassidy EM, Quigley EM, Ross P, Stanton C, Cryan JF, Dinan TG. Marked elevations in pro-inflammatory polyunsaturated fatty acid metabolites in females with irritable bowel syndrome. <i>J Lipid Res</i> . 2010 May;51(5):1186-92.	6,1,5
Clarke G, O'Mahony SM, Hennessy AA, Ross P, Stanton C, Cryan JF, Dinan TG. (2009) Chain reactions: Early-life stress alters the metabolic profile of plasma polyunsaturated fatty acids in adulthood. <i>Behav Brain Res</i> . 205(1):319-21	6,5
Codling C, O'Mahony L, Shanahan F, Quigley EM, Marchesi JR. A molecular analysis of fecal and mucosal bacterial communities in irritable bowel syndrome. <i>Dig Dis Sci</i> 2010; Feb;55(2):392-7	2,5,6
Davies J, MacSharry J, Shanahan F. Differential regulation of Toll-like receptor signaling in spleen and Peyer's patch dendritic cells. <i>Immunology</i> 2010 Jun 10. [Epub ahead of print] PMID: 20545785	2
Desbonnet L, Garrett L, Clarke G, Kiely B, Cryan JF, Dinan TG. Effect of a probiotic <i>Bifidobacterium infantis</i> in the maternal separation model of depression. <i>Neuroscience</i> . 2010 Aug 6. [Epub ahead of print] PMID: 20696216	6/AH
Docena G, Rovedatti L, Kruidenier L, Fanning A, Leakey NA, Knowles CH, Lee K, Shanahan F, Nally K, McLean PG, Di Sabatino A, Macdonald TT. "Down-regulation of p38 mitogen-activated protein kinase activation and proinflammatory cytokine production by mitogen-activated protein kinase inhibitors in inflammatory bowel disease". <i>Clin Exp Immunol</i> . 2010 Aug 20. [Epub ahead of print]	2/ GSK
Gibney SM, Gosselin RD, Dinan TG, Cryan JF. Colorectal distension-induced prefrontal cortex activation in the Wistar-Kyoto rat: implications for irritable bowel syndrome <i>Neuroscience</i> . 2010 Feb 3;165(3):675-83.	6
Gosselin RD, O'Connor RM, Tramullas M, Julio-Pieper M, Dinan TG, Cryan JF. Riluzole normalizes early-life stress-induced visceral hypersensitivity in rats: role of spinal glutamate reuptake mechanisms. <i>Gastroenterology</i> . 2010 Jun;138(7):2418-25. Epub 2010 Mar 10.	6
Hall LJ, Faivre E, Quinlan A, Shanahan F, Nally K, Melgar S. Induction and activation of adaptive immune populations during acute and chronic phases of a murine model of experimental colitis. <i>Dig Dis Sci</i> 2010 May 14. [Epub ahead of print]	2, GSK
Horgan M, O'Sullivan O, Coffey A, Fitzgerald GF, van Sinderen D, McAuliffe O, Ross RP. Genome analysis of the <i>Clostridium difficile</i> phage PhiCD6356, a temperate phage of the Siphoviridae family. <i>Gene</i> . 2010 May 7. [Epub ahead of print] PMID: 20438817	1,4
Hussey, S., Wall, R., Gruffman, E., O'Sullivan, L., Ryan, C.A., Murphy, B., Fitzgerald, G., Stanton, C. and Ross R.P. (2009) Parenteral Antibiotics Reduce <i>Bifidobacteria</i> Colonization and Diversity in Neonates. <i>International Journal of Microbiology</i> , vol. 2011, Article ID 130574, 6 pages, 2011. doi:10.1155/2011/130574.	5

Julio-Pieper M, Hyland NP, Bravo JA, Dinan TG, Cryan JF. A novel role for the metabotropic glutamate receptor-7: modulation of faecal water content and colonic electrolyte transport in the mouse. <i>Br J Pharmacol.</i> 2010 May;160(2):367-75.PMID: 20423346 [PubMed - indexed for MEDLINE]	6
Keohane J, O'Mahony C, O'Mahony L, O'Mahony S, Quigley EMM, Shanahan F. Irritable bowel syndrome-type symptoms in patients with inflammatory bowel disease: a real association or reflection of occult inflammation? <i>Am J Gastroenterology</i> 2010 Apr 13. [Epub ahead of print] PMID: 20389294	2,6,A H
Lyons A, O'Mahony D, O'Brien F, Macsharry J, Sheil B, Ceddia M, Russell WM, Forsythe P, Bienenstock J, Kiely B, Shanahan F, O'Mahony L. Bacterial strain-specific induction of Foxp3(+) T regulatory cells is protective in murine allergy models. <i>Clin Exp Allergy</i> 2010 May;40(5):811-9.	AH, 2
Mc Gee Richard, O'Connor Paula M, Russell David, Dempsey Gene, Ryan C Anthony , Ross R Paul, Stanton Catherine (2010) Prolonged faecal excretion following a single dose of probiotic in low birth weight infants <i>Acta Paediatrica</i> May 19 [Epub ahead of print]	5,1
McKernan D, Nolan A., Brint E, O'Mahony S., Hyland N, Cryan JF, Dinan TG (2009) Toll-Like Receptor mRNA Expression Is Selectively Increased in the Colonic Mucosa of Two Animal Models Relevant to Irritable Bowel Syndrome. <i>Plos One</i> 4, e8226.	6
McKernan DP, Fitzgerald P, Dinan TG, Cryan JF. The probiotic <i>Bifidobacterium infantis</i> 35624 displays visceral antinociceptive effects in the rat. <i>Neurogastroenterol Motil.</i> 2010 Sep;22(9):1029-35, e268. Epub 2010 Jun 1.PMID: 20518856	6
Morcos A, Dinan T, Quigley EM (2009) Irritable bowel syndrome: Role of food in pathogenesis and management <i>J Dig Dis.</i> 10(4):237-46.	6
Murphy, E.F., P.D. Cotter, S. Healy, T.M. Marques, O. O'Sullivan, F. Fouhy, S. Clarke, P.W. O'Toole, E.M. Quigley, C. Stanton, R.P. Ross, R.M. O'Doherty and F. Shanahan. 2010. The composition and energy harvesting capacity of the gut microbiota and their relationship to diet and obesity over time in mouse models. <i>Gut</i> (2010). [Epub ahead of print] 2010 Oct 6. PMID:215665	AH, 1,2,3 4,5, 6
Murphy CT, Moloney G, Hall LJ, Quinlan A, Faivre E, Casey P, Shanahan F, Melgar S, Nally K. "Use of bioluminescence imaging to track neutrophil migration and its inhibition in experimental colitis". <i>Clin Exp Immunol.</i> 2010 Aug 16. [Epub ahead of print]	2/GS K
Murphy CT, Moloney G, Macsharry J, Haynes A, Faivre E, Quinlan A, McLean PG, Lee K, O'Mahony L, Shanahan F, Melgar Dagger S, Nally K. Function and efficacy of an α 4-integrin antagonist using bioluminescence imaging to detect leukocyte trafficking in murine experimental colitis. <i>J Leukoc Biol.</i> 2010 Sept 8. [Epub ahead of print]	2/GS K
O'Mahony C, van der Kleij H, Bienenstock J, Shanahan F, O'Mahony L. Loss of vagal anti-inflammatory effect: in vivo visualization and adoptive transfer. <i>Am J Physiol Regul Integr Comp Physiol.</i> 2009 Oct;297(4):R1118-26.	2
O'Mahony CM, Bravo JA, Dinan TG, Cryan JF. Comparison of hippocampal metabotropic glutamate receptor 7 mRNA in two animal models of depresión. <i>Neurosci Lett.</i> 2010 Sep 27;482(2):137-41. Epub 2010 Jul 16.PMID: 20638442	6
O'Mahony CM, Sweeney FF, Daly E, Dinan TG, Cryan JF. Restraint stress-induced brain activation patterns in two strains of mice differing in their anxiety behaviour. <i>Behav Brain Res.</i> 2010 Dec 1;213(2):148-54. Epub 2010 May 7. PMID: 20435071	6
O'Mahony D, Murphy KB, MacSharry J, Boileau T, Sunvold G, Reinhart G, Kiely B, Shanahan F, O'Mahony L. Portrait of a canine probiotic <i>Bifidobacterium</i> --from gut to gut. <i>Vet Microbiol.</i> 2009 Oct 20;139(1-2):106-12.	2,AH
O'Mahony SM, Bulmer DC, Coelho AM, Fitzgerald P, Bongiovanni C, Lee K, Winchester W, Dinan TG, Cryan JF. 5-HT(2B) receptors modulate visceral hypersensitivity in a stress-sensitive animal model of brain-gut axis dysfunction. <i>Neurogastroenterol Motil.</i> . [Epub ahead of print] PubMed PMID: 20003079	6, GSK
O'Malley D, Dinan TG, Cryan JF. Alterations in colonic corticotropin-releasing factor receptors in the maternally separated rat model of irritable bowel syndrome: Differential effects of acute psychological and physical stressors. <i>Peptides.</i> 2010 Apr;31(4):662-670. Epub 2010 Jan 21.	6
O'Malley D, Dinan TG, Cryan JF. Neonatal maternal separation in the rat impacts on the stress responsivity of central corticotropin-releasing factor receptors in adulthood. <i>Psychopharmacology (Berl).</i> 2010 May 25. [Epub ahead of print] PMID: 20499051 [PubMed - as supplied by publisher]	6
O'Malley D, Julio-Pieper M, Gibney SM, Dinan TG, Cryan JF. Distinct alterations in colonic morphology and physiology in two rat models of enhanced stress-induced anxiety and depression-like behaviour. <i>Stress.</i> 2010 Mar;13(2):114-22.	6
O'Malley D, Julio-Pieper M, Gibney SM, Gosselin RD, Dinan TG, Cryan JF. Differential stress-induced alterations of colonic corticotropin-releasing factor receptors in the Wistar Kyoto rat. <i>Neurogastroenterol Motil.</i> 2009 Oct 6. [Epub ahead of print] PubMed PMID: 19807869.	6

O'Shea EF, O'Connor PM, Cotter PD, Ross RP, Hill C. Synthesis of trypsin-resistant variants of the Listeria-active bacteriocin salivaricin P. Appl Environ Microbiol. 2010 Aug;76(16):5356-62[Epub ahead of print]PMID: 20581174	1,3
Pruteanu M, Hyland NP, Clarke DJ, Kiely B, Shanahan F. Degradation of the extracellular matrix components by bacterial-derived metalloproteases: Implications for inflammatory bowel diseases. Inflamm Bowel Dis. 2010 Sep 17. [Epub ahead of print]PMID: 20853433	AH, 2,4,6
Rea MC, Sit CS, Clayton E, O'Connor PM, Whittal RM, Zheng J, Vederas JC, Ross RP, Hill C. Thuricin CD, a posttranslationally modified bacteriocin with a narrow spectrum of activity against <i>Clostridium difficile</i> . Proceedings of the National Academy of Science U S A. 2010 May 18;107(20):9352-7. Epub 2010 Apr 30.PMID: 20435915	1,3
Rea, M, A. Dobson, O. O'Sullivan, F. Crispie, F. Fouhy, P.D. Cotter, F. Shanahan, B. Kiely, C. Hill and R.P. Ross. 2010. Effect of broad and narrow spectrum antimicrobials on <i>Clostridium difficile</i> and microbial diversity in a model of the distal colon. Proc. Natl. Acad. Sci. U.S.A. Embargoed until 29 th June	1,2,3 ,AH
Savignac HM, Hyland NP, Dinan TG, Cryan JF. The effects of repeated social interaction stress on behavioural and physiological parameters in a stress-sensitive mouse strain. Behav Brain Res. 2010 Sep 6. [Epub ahead of print]PMID: 20826188	6
Scully P, McKernan DP, Keohane J, Groeger D, Shanahan F, Dinan TG, Quigley EM. Plasma Cytokine Profiles in Females With Irritable Bowel Syndrome and Extra-Intestinal Co-Morbidity. Am J Gastroenterol 2010 Apr 20. [Epub ahead of print] PMID: 20407431	2,6, AH
Sibartie S, Scully P, Keohane J, O'Neill S, O'Mahony J, O'Hanlon D, Kirwan WO, O'Mahony L, Shanahan F. Mycobacterium avium subsp. Paratuberculosis (MAP) as a modifying factor in Crohn's disease. Inflamm Bowel Dis. 2010 Feb;16(2):296-304.	2
Sleator, R.D. and C. Hill. 2010. Compatible solutes: A listerial passe-partout? Gut Microbes. 2;1-3.	1,3
Stack, H., Kearney, N., Stanton, C., Fitzgerald, G.F. and Ross, R.P. Association of beta-glucan endogenous production with increased stress tolerance of intestinal lactobacilli. Applied and Environmental Microbiology. 2010;76(2): 500-507.	1,4,5
Wall R, Ross RP, Shanahan F, O'Mahony L, Kiely B, Quigley E, Dinan TG, Fitzgerald G, Stanton C. Impact of administered Bifidobacterium on murine host fatty acid composition. Lipids 2010 May;45(5):429-36. Epub 2010 Apr 20.	1,2,5 ,6,AH
Watson D, Sleator RD, Casey PG, Hill C, Gahan CG. 2009. Specific osmolyte transporters mediate bile tolerance in <i>Listeria monocytogenes</i> . Infection & Immunity. 77(11):4895-904	3
Zomer, A., Fernandez, M., Kearney, B., Fitzgerald, G.F., Ventura, M. and D. van Sinderen (2009) An interactive regulatory network controls stress response in <i>Bifidobacterium breve</i> UCC2003. J. Bacteriol.191: 7039-7049.	4

In Press	
Begley, M., Hill, C., Ross, R.P. The glutamate decarboxylase GadD1 contributes to the nisin tolerance of <i>Listeria monocytogenes</i> . Appl. Environ. Microbiol. (In Press)	3
Bottacini, F., Medini, D., Pavesi, A., Turroni, F., Foroni, E., Riley, D., Giubellini, V., Tettelin, H., Van Sinderen, D. and M. Ventura. (2010) Comparative genomics of the genus <i>Bifidobacterium</i> . Microbiology, <i>accepted for publication</i> .	4
Brint E, MacSharry J, Fanning A, Shanahan F, Quigley EQ. "Differential expression of Toll-Like Receptors in patients with Irritable Bowel Syndrome". In press, Aug 2010, American Journal of Gastroenterology.	02-Jun
Deegan, L.H., Suda, S., Cotter, P.D., Hill, C., Ross, R.P. Role of charged residues in the activity of the two peptide lantibiotic lactacin 3147. Microbial Biotechnol. (In Press)	1,3
Dinan T, Siggins L, Scully P, O'Brien S, Ross D, Stanton C (2008) Investigating the inflammatory phenotype of major depression: focus on cytokines and polyunsaturated fatty acids. Journal of Psychiatric Research (In Press)	1, 3, 5
Dowd G, Joyce SA, Hill C, Gahan CG. 2010. Investigation of the mechanisms by which <i>Listeria monocytogenes</i> grows in porcine gall bladder bile. <i>Infection & Immunity</i> . In press	3
Hennessy, Alan, R. Paul Ross, Rosaleen Devery, and Catherine Stanton (2010) The health promoting properties of the conjugated isomers of α -linolenic acid (CALA) Lipids (in press)	5,1
Hussey, S., Wall, R., Gruffman, E., O'Sullivan, L., Ryan, C.A., Murphy, B., Fitzgerald, G., Stanton, C. and Ross R.P. (2009) Impact of parenteral antibiotic treatment on the evolution of the bifidobacteria population in infants. International Journal of Microbiology (in press).	5, 2

Joyce SA, Gahan CG. 2010. The molecular pathogenesis of <i>Listeria monocytogenes</i> in the alternative model host <i>Galleria mellonella</i> . <i>Microbiology</i> . In press	3
Murphy, Eileen, Paul D Cotter, Selena Healy, Tatiana M Marques, Orla O'Sullivan, Fiona Fouhy, Siobhan F Clarke, Paul W O'Toole, Eamonn M Quigley, Catherine Stanton, Paul Ross, Robert M O'Doherty, and Fergus Shanahan (2010) The composition and energy harvesting capacity of the gut microbiota and their relationship to diet and obesity over time in mouse models (2010). GUT/2010/215665 (accepted)	1,2,5,
O'Connell Motherway, M., Fitzgerald, G.F. and D. van Sinderen. (2010) Metabolism of a plant derived galactose-containing polysaccharide by <i>Bifidobacterium breve</i> UCC2003. <i>Microbial Biotech.</i> , <i>accepted for publication</i> .	4
O'Mahony, J. <i>et al.</i> 2010. A comparison of the activities of lantibiotics nisin and lacticin 3147 against clinically significant mycobacteria. <i>Int. J. Antimicrob. Agents</i> . In press	1,3
Pokusaeva, K., Neves, A.R., Zomer, A., O'Connell-Motherway, M., MacSharry, J., Curley, P., Fitzgerald, G.F. and D. van Sinderen. (2009) Ribose utilization by the human commensal <i>Bifidobacterium breve</i> UCC2003. <i>Microbiol. Biotech.</i> (In Press)	4
Rosberg-Cody, E., Stanton, C., O'Mahony, L., Wall, R., Shanahan, F., Quigley, E.M., Fitzgerald, G.F and Ross, R.P. (2009). Recombinant lactobacilli expressing linoleic acid isomerase can modulate the fatty acid composition of host adipose tissue in mice. <i>Am J Clin Nutr.</i> (in press)	5
Ryan, S., M. Begley, C. Hill, and C.G.M. Gahan. 2010. A five gene stress survival islet (SSI-1) that contributes to the growth of <i>Listeria monocytogenes</i> in sub-optimal conditions. <i>J. Appl. Microbiol.</i> In press.	1,3
Van de Velde, Sleator, R.D. <i>et al.</i> 2010. PBP and Lmo0441 (a PBP-like protein) play a role in beta-lactam sensitivity of <i>Listeria monocytogenes</i> . <i>Gut Pathogens</i> . In press.	1,3
Zomer, A. and D. van Sinderen. (2010) Intertwinement of stress response regulons in <i>Bifidobacterium breve</i> UCC2000. <i>Gut Microbes</i> , in press.	4

Category B: APC-associated, but not CSET funded

Alemka A, Clyne M, Shanahan F, Tompkins T, Corcionivoschi N, Bourke B. Probiotic colonisation of mucus-adherent HT29MTXE12 cells attenuates <i>Campylobacter jejuni</i> virulence properties. <i>Infect Immun</i> 2010 Jun;78(6):2812-22.	2
Bahey-El-Din M, Casey PG, Griffin BT, Gahan CG. 2010. Expression of two <i>Listeria monocytogenes</i> antigens (P60 and LLO) in <i>Lactococcus lactis</i> and examination for use as live vaccine vectors. <i>J Med Microbiol</i> . 59(Pt 8):904-12.	3
Bahey-El-Din M, Casey PG, Griffin BT and CGM Gahan. 2010. Efficacy of a <i>Lactococcus lactis</i> \square <i>pyrG</i> vaccine delivery platform expressing chromosomally integrated <i>hly</i> from <i>Listeria monocytogenes</i> . <i>BioEngineered Bugs</i> . 1: 66-74.	3
Begley M, Cotter PD, Hill C, Ross RP. Glutamate decarboxylase-mediated nisin resistance in <i>Listeria monocytogenes</i> . <i>Appl Environ Microbiol</i> . 2010 Oct;76(19):6541-6.	1,3
Begley M, Cotter PD, Hill C, Ross RP. Identification of a novel two-peptide lantibiotic, lichenicidin, following rational genome mining for LanM proteins. <i>Appl Environ Microbiol</i> . 2009 Sep;75(17):5451-60.	3
Berglund, M, Melgar S, Kobayashi KS, Flavell RA, Hörnquist EH, Hultgren OH. IL-1 receptor-associated kinase M downregulates DSS-induced colitis. <i>Inflammatory Bowel Disease</i> , E-pub 19 April	Core 2/GS K
Caly, D.C., P.W. O'Toole, and S.A. Moore. 2010. The 2.2 Å resolution structure of the HP0958 protein from <i>Helicobacter pylori</i> reveals a kinked antiparallel coiled-coil domain and a highly conserved Zn-ribbon domain. <i>J. Mol. Biol</i> , 403: 405–419.	4
Carroll J, Draper LA, O'Connor PM, Coffey A, Hill C, Ross RP, Cotter PD, O'Mahony J. Comparison of the activities of the lantibiotics nisin and lactacin 3147 against clinically significant mycobacteria. <i>Int J Antimicrob Agents</i> . 2010 Aug;36(2):132-6.	1,3
Clarke, D. J. (2010) The Rcs phosphorelay: more than just a two-component pathway. <i>Future Microbiol</i> , 5:1173-1184.	3
Collins B, Curtis N, Cotter PD, Hill C, Ross RP. The ABC transporter, AnrAB, contributes to the innate resistance of <i>Listeria monocytogenes</i> to nisin, bacitracin and various beta-lactam antibiotics. <i>Antimicrob Agents Chemother</i> . 2010 Jul 19.	1,3
Collins B, Joyce S, Hill C, Cotter PD, Ross RP. TelA contributes to the innate resistance of <i>Listeria monocytogenes</i> to nisin and other cell wall-acting antibiotics. <i>Antimicrob Agents Chemother</i> . 2010 Aug 16.	1,3
Cryan JF & O'Leary OF A glutamate pathway to faster-acting antidepressants? <i>Science</i> 329:913-4, 2010.	6
Cummings E, Donohoe G, McDonald C, Dinan TG, O'Neill FA, O'Callaghan E, Waddington JL, Murphy KC, Gill M, Morris DW, Corvin A. Clinical symptomatology and the psychosis risk gene ZNF804A. <i>Schizophr Res</i> . 2010 Sep;122(1-3):273-5 Epub 2010 Jun 11. PMID: 20538430.	6
Daly, K.M., M. Upton, S.K. Sandiford, L.A. Draper, P.A. Wescombe, R.W. Jack, P.M. O'Connor, A. Rossney, F. Götz, C. Hill, P.D. Cotter, R.P. Ross, J.R. Tagg. 2010. Production of the Bsa lantibiotic by community acquired <i>Staphylococcus aureus</i> strains. <i>J. Bacteriol</i> . 192(4):1131-42.	1
Deegan, L.H., Suda, S., Lawton, E.M., Draper, L.A., Hugenholtz, F., Peschel, A., Hill, C., Cotter, P.D., Ross, R.P. (2010). Manipulation of charged residues within the two-peptide lantibiotic lactacin 3147. <i>Microbial Biotechnology</i> 3(2):222-234	1,3
Doherty SB, Gee VL, Ross RP, Stanton C, Fitzgerald GF, Brodkorb A. Efficacy of whey protein gel networks as potential viability-enhancing scaffolds for cell immobilization of <i>Lactobacillus rhamnosus</i> GG. <i>J Microbiol Methods</i> . 2010 Mar;80(3):231-41. Epub 2010 Jan 4. PMID: 20045713	1,4,5
Doherty, S. B., Wang, L., Ross, R. P., Stanton, C., Fitzgerald, G. F., & Brodkorb, A. (2010). Use of viability staining in combination with flow cytometry for rapid viability assessment of <i>Lactobacillus rhamnosus</i> GG in complex protein matrices. <i>Journal of Microbiological Methods</i> , 82 (3), 301-310.	1,3,5
Douillard, F.P., K. A. Ryan, M. C. Lane, S. A. Moore, C. W. Penn, J. Hinds, and P. W. O'Toole. 2010. The HP0256 gene product is involved in motility and cell envelope architecture of <i>Helicobacter pylori</i> . <i>BMC Microbiol</i> . 10: 106.	4
Falvey EC, McCarthy C, O'Connor TM, Shanahan F, Molloy MG, Plant BJ. Exercise-induced bronchoconstriction and exercise testing in an international rugby union team. <i>Thorax</i> . 2010 Sep;65(9):843-4. No abstract available. PMID: 20805187	2
Finger BC, Dinan TG, Cryan JF. Leptin-deficient mice retain normal appetitive spatial learning yet exhibit marked increases in anxiety-related behaviours. <i>Psychopharmacology (Berl)</i> . 2010 Jul;210(4):559-68. Epub 2010 Apr 27.	6

Finger BC, Dinan TG, Cryan JF. Progressive ratio responding in an obese mouse model: Effects of fenfluramine. <i>Neuropharmacology</i> . 2010 Aug 18. [Epub ahead of print] PMID: 20727362	6
Forsythe P, Sudo N, Dinan T, Taylor VH, Bienenstock J. Mood and gut feelings. <i>Brain Behav Immun</i> . 2010 Jan;24(1):9-16.	6
Guo J, Fisher KA, Darcy R, Cryan JF, O'Driscoll C. Therapeutic targeting in the silent era: advances in non-viral siRNA delivery. <i>Mol Biosyst</i> . 2010 Jul 15;6(7):1143-61. Epub 2010 Apr 29. PMID: 20431817	6
Henry M, Begley M, Neve H, Maher F, Ross RP, McAuliffe O, Coffey A, O'Mahony JM. Cloning and expression of a mureinolytic enzyme from the mycobacteriophage TM4. <i>FEMS Microbiol Lett</i> . 2010 Jul	1,3
Henry M, O'Sullivan O, Sleator RD, Coffey A, Ross RP, McAuliffe O, O'Mahony JM. In silico analysis of Ardmore, a novel mycobacteriophage isolated from soil. <i>Gene</i> . 2010 Mar 15;453(1-2):9-23.	3
Hussey S, Wall R, Gruffman E, O'Sullivan L, Ryan CA, Murphy B, Fitzgerald G, Stanton C, Ross RP. Parenteral Antibiotics Reduce Bifidobacteria Colonization and Diversity in Neonates. <i>Int J Microbiol</i> . 2011;2011. pii: 130574. Epub 2010 Aug 3.	1,3,5
Kaleta P, Callanan MJ, O'Callaghan J, Fitzgerald GF, Beresford TP, Ross RP. Exploitation of the diverse insertion sequence element content of dairy <i>Lactobacillus helveticus</i> starters as a rapid method to identify different strains. <i>J Microbiol Methods</i> . 2009 Oct;79(1):32-6.	1
Kaleta P, O'Callaghan J, Fitzgerald GF, Beresford TP, Ross RP. Interstrain genomic comparison reveals a crucial role for IS elements in the evolution of <i>Lactobacillus helveticus</i> . <i>Appl Environ Microbiol</i> . 2009 Oct 30.	1
Kaleta P, O'Callaghan J, Fitzgerald GF, Beresford TP, Ross RP. Crucial role for insertion sequence elements in <i>Lactobacillus helveticus</i> evolution as revealed by interstrain genomic comparison. <i>Appl Environ Microbiol</i> . 2010 Jan;76(1):212-20.	1,4
Kearney, N. X.C. Meng, C. Stanton, J. Kelly, G. F. Fitzgerald, R.P. Ross (2009). Development of a spray dried probiotic yoghurt containing <i>Lactobacillus paracasei</i> NFBC 338. <i>International Dairy Journal</i> , 19: 684-689.	4, 6, 5
Levav-Rabkin T, Melamed O, Clarke G, Farber M, Cryan JF, Dinan TG, Grossman Y, Golan HM. A sensitive period of mice inhibitory system to neonatal GABA enhancement by vigabatrin is brain region dependent. <i>Neuropsychopharmacology</i> . 2010 Apr;35(5):1138-54.	6
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