BIOGRAPHICAL SKETCH

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NAME	POSITION TITLE
Patrick J. Brennan	**University Distinguished Professor**
eRA COMMONS USER NAME **Patrick_Brennan**	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
National University of Ireland, Cork, Ireland	B.Sc. (Hon)	1961	Biochemistry/Chemistry
National University of Ireland, Cork, Ireland	M.Sc.	1963	Biochemistry
University of Dublin (Trinity College), Ireland	Ph.D.	1965	Biochemistry
University of Dublin (Trinity College), Ireland	M.A.	1971	*Jure off.*

A. Positions and Honors.

Professional Experience:

11/65 to 10/67: University of California, Berkeley, California. Postdoctoral Fellow, Department of Biochemistry
11/67 to 09/71: Trinity College, Dublin, Junior Lecturer, later Research Lecturer, Department of Biochemistry.
10/71 to 06/76: University College, Dublin. Lecturer, Department of Biochemistry.
08/72 to 07/73: Baylor College of Medicine, Houston, Texas. Visiting Faculty.
07/76 to 09/80: National Jewish Center for Immunology and Respiratory Medicine (formerly National Jewish Hospital) Denver, Colorado. Senior Staff (later, part-time 9/80-1/85; later, consultant 2/85-6/92).
01/78 to 09/90: University of Colorado School of Medicine, Denver, Colorado. Assistant, later Associate Professor. Adjunct Associate. Professor 9/80-6/85. Adjunct Professor 7/85-9/90, Department of Microbiology and Immunology.
09/80 to 05/84: Colorado State University, Fort Collins, Colorado. Associate Professor, Department of Microbiology.
06/84 to 03/97: Colorado State University, Fort Collins, Colorado. Professor, Department of Microbiology.
04/97 to present: Colorado State University, Fort Collins, Colorado. University Distinguished Professor, Department of Microbiology, Immunology & Pathology.

Duties/Honors:

Government Review Panels: NIH: BM-I Study Section (1981-85) and *ad hoc* subsequently; ZRG1-VACC-1;ZRG1-SSSK(10);ZRG1-DDR Study Sections (1999→); Comparative Medical Rev. Panel, 1995; teleconferences, special review panels (1995→); USDA: Animal Mol. Biol. Panel (1986-1990; Program Chairman, 1989-90); Dept. Vet. Affairs: Merit Rev. SubComm. (2004, 2005).
Scientific Advisory Panels/Boards/Steering Committees: WHO/IMMLEP/IMMTUB (1986-94; Chairman, IMMLEP, 1989-93); WHO Expert Adv. Group, Leprosy (1996-1999); WHO Leprosy Elimination Advisory Group, (1997→); Member, American Society for Microbiology (1980→); Member, International Leprosy Association (1980→); Member, American Society for Biochemistry & Molecular Biology (1980→); Heiser Program for Research in Leprosy & Tuberculosis, Scientific Advisory Comm. (Member,1986→; Chairman 2000→); Sasakawa Memorial Health Foundation, Scientific Advisory Board (Member, 1990→); U.S.-Japan Coop. Medical Sciences Program (Leprosy/TB; panel member since 1983; Panel Chairman 1986-1999; U.S. Delegation 2000→); NIAID, DMID Focus Group, 1995; *M. tuberculosis* genome group, 1996; Priorities for TB Research, Presenter, 1996; Member, Beckman Foundation (2001); Member, Medical Board of Reference, American Leprosy Mission (2002→); Chairman, Initiative for Diagnosis & Epidemiological Assessment of Leprosy (IDEAL, 2004→).
Editorial Boards: Co-Editor-in-Chief, *Tuberculosis*, 1997→; Sectional Editor, *J. Immunol.*, 1990-1994; *J. Exp. Med.*, 1991-2003; *J. Clin. Microbiol.*, 1992-1996; *J. Bacteriol.*, 1977-1980; *Infect. Immun.*, 1995-1999; Editorial Board Member, *J. Biol. Chem.*, 2003→; Section Editor, *Fed. of European Micro. Soc. (FEMS) Immun. & Med. Micro.* 2002→; Editorial Board Member, *International J. of Leprosy.*, 2002→.
Honors: Honored Scientist, Society of Sigma Xi, CSU Chapter, 1985; Current Distinguished Scientists, Glover Gallery, CSU, 1987; Researcher of the Year, 1992, CSU; Colorado State University Distinguished Professor, 1997; American Academy of Microbiology, Fellow, 2004: American Society of Microbiology, Division Chair, Division Lecturer, Councilor (2000 – 2003).

B. Recent publications (from a list of over 300).

1. Marques, M.A.M., V.L. Antonio, E.N. Sarno, **P.J. Brennan**, and M.C.V. Pessolani. 2001. Binding of α2 laminins by pathogenic and non-pathogenic mycobacteria and adherence to Schwann cells. *J. Med. Microbiol.* 50:23-28.
2. Saleh, M.T., M. Fillon, **P.J. Brennan**, and J.T. Belisle. 2001. Identification of putative exported/secreted proteins in prokaryotic proteomes. *Gene.* 269:195-204.
3. Schulbach, M.C., S. Mahapatra, M. Macchia, S. Barontini, C. Papi, F. Minutolo, S. Bertini, **P.J. Brennan**, and D.C. Crick. 2001. Purification, enzymatic characterization, and inhibition of the *Z*-farnesyl diphosphate synthase from *Mycobacterium tuberculosis*. *J. Biol. Chem.* 276:11624-11630.
4. Takii, T., C. Abe, A. Tamura, S. Ramayah, J.T. Belisle, **P.J. Brennan**, and K. Onozaki. 2001. Interleukin-1 or tumor necrosis factor-α augmented the cytotoxic effect of mycobacteria on human fibroblasts: application to evaluation of pathogenesis of clinical isolates of *Mycobacterium tuberculosis* and *M. avium* complex. *J. Interferon and Cytokine Res.* 21:187-196.
5. Vissa, V.D., and **P.J. Brennan**. 2001. The genome of *Mycobacterium leprae*: a minimal mycobacterial gene set. *Genome Biology.* 2:1-7.
6. Bailey, A.M., S. Mahapatra, **P.J. Brennan**, and D.C. Crick. 2002. Identification, cloning, purification and enzymatic characterization of *Mycobacterium tuberculosis* 1-deoxy-D-xylulose 5-phosphate synthase. *Glycobiology.* 12:813-820.
7. Kaur, D., T.L. Lowary, V.D. Vissa, D.C. Crick, and **P.J. Brennan**. 2002. Characterization of the epitope of anti-lipoarabinomannan antibodies as the terminal hexaarabinofuranosyl motif of mycobacterial arabinans. *Microbiology.* 148:3049-3057.
8. Kordulakova, J., M. Gilleron, K. Mikusova, G. Puzo, **P.J. Brennan**, B. Gicquel, and M. Jackson. 2002. Definition of the first mannosylation step in phosphatidylinosiotol mannoside synthesis: PimA is essential for growth of mycobacteria. *J. Biol. Chem.* 277:31335-31344.
9. Maeda, Y., M. Makino, D.C. Crick, S. Mahapatra, S. Srisungnam, T. Takii, Y. Kashiwabara, and **P.J. Brennan**. 2002. Novel 33-kilodalton lipoprotein from *Mycobacterium leprae*. *Infect. Immun.* 70:4106-4111.
10. Spencer, J.S., A.M.A. Marques, M.C.B.S. Lima, A.P. Junqueira-Kipnis, B.C. Gregory, R.W. Truman, and **P.J. Brennan**. 2002. Antigenic specificity of the *Mycobacterium leprae* homologue of ESAT-6. *Infect. Immun.* 70:1010-1013.
11. Ngamying, M., P. Sawanpanyalert, R. Butraporn, J. Nikasri, S.-N.Cho, L. Levy, and **P.J. Brennan**. 2003. Effect of vaccination with refined components of the organism on infection of mice with *Mycobacterium leprae*. *Infect. Immun.* 71:1596-1598.
12. Phetsuksiri, B., M. Jackson, H. Scherman, M. McNeil, G.S. Besra, A.R. Baulard, R.A. Slayden, A.E. DeBarber, C.E. Barry, 3rd, M.S. Baird, D.C. Crick, and **P.J. Brennan**. 2003. Unique mechanism of action of the thiourea drug isoxyl on *Mycobacterium tuberculosis*. *J. Biol. Chem*. 278:53123-53130.
13. Yagi, T., S. Mahapatra, K. Mikusova, D.C. Crick, and **P.J. Brennan**. 2003. Polymerization of mycobacterial arabinogalactan and ligation to peptidoglycan. *J. Biol. Chem.* 278:26497-26504.
14. Brown, C.W., S. Liu, J. Klucik, K.D. Berlin, **P.J. Brennan**, D. Kaur, and D.M. Benbrook. 2004. Novel heteroarotinoids as potential antagonists of *Mycobacterium bovis* BCG. *J. Med. Chem.* 47:1008-1017.
15. Coxon, G.D., J.R. Al Dulayymi, C. Morehouse, **P.J. Brennan**, G.S. Besra, M.S. Baird, and D.E. Minnikin. 2004. Synthesis and properties of methyl 5-(1'*R*, 2'*S*)-(2-octadecylcycloprop-1-yl) pentanoate and other ω-19 chiral cyclopropane fatty acids and esters related to mycobacterial mycolic acids. *Chem. Phys. Lipids.* 127:35-46.
16. Dhiman, R.K., M.C. Schulbach, S. Mahapatra, A.R. Baulard, V. Vissa, **P.J. Brennan**, and D.C. Crick. 2004. Identification of a novel class of ω,*E*,*E*-farnesyl diphosphate synthase from *Mycobacterium tuberculosis. J. Lipid Research.* 45:1140-1147.
17. Groathouse, N.A., B. Rivoire, H. Kim, H. Lee, S-N Cho, **P.J. Brennan**, and V.D. Vissa. 2004. Multiple Polymorphic Loci for Molecular Typing of Strains of *Mycobacterium leprae. J. Clinical Microbiology* 42:1666-1672.
18. Maeda, Y., **P.J. Brennan**, and M. Makino. 2004. Studies of Lipoproteins of *Mycobacterium leprae. Jpn. J. Leprosy.* 73:15-21.
19. Spencer, J.S., H.J. Kim, A.M. Marques, M. Gonzalez-Juarerro, M.C.B.S. Lima, V.D. Vissa, R.W. Truman, M.L. Gennaro, S-N Cho, S.T. Cole and **P.J. Brennan**. 2004. Comparative Analysis of B- and T-Cell Epitopes of *Mycobacterium leprae* and *Mycobacterium tuberculosis* Culture Filtrate Protein 10. *Infect. Immun.* 72:3161-3170.
20. Velezheva, V.S., **P.J. Brennan**, V.Y. Marshakov, D.V. Gusev, I.N. Lisichkina, A.S. Peregudov, L.N. Tchernousova, T.G. Smirnova, S.N. Andreevskaya, and A.E. Medvedev. 2004. Novel Pyridazino [4,3-*b*] indoles with Dual Inhibitory Activity against *Mycobacterium tuberculosis* and Monoamine Oxidase*. J. Med. Chem.* 47:3455-3461.
21. Yamashita, Y., Y. Maeda, F. Takeshita, **P.J. Brennan**, and M. Makino. 2004. Role of the polypeptide region of a 33kDa mycobacterial lipoprotein for efficient IL-12 production. *Cellular Immunology*. 229:13-20.
22. Youn, J.H., H-J Myung, A. Liav, D. Chatterjee, **P.J. Brennan**, I-H Choi, S-N Choi, and J-S Shin. 2004. Production and characterization of peptide mimotopes of phenolic glycolipid-I of *Mycobacterium leprae*. *FEMS Immun. Med. Micro.* 41:51-57.
23. Marques, M.A.M., B.J. Espinosa, E.K. Xavier da Silveira, M.C.V. Pessolani, A. Chapeaurouge, J. Perales, K.M. Dobos, J.T. Belisle, J.S. Spencer and **P.J. Brennan**. 2004. Continued proteomic analysis of *Mycobacterium leprae* subcellular fractions*. Proteomics.* 4:2942-2953.
24. Kaur, D., **P.J. Brennan**, and D.C. Crick. 2004. Decaprenyl diphosphate synthesis in *Mycobacterium tuberculosis. J. Bact.* 186:7564-7570.

25. Geluk, A., M.R. Klein, K.L.M.C. Franken, K.E. van Meijgaarden, B. Wieles, K.C. Pereira, S. Bührer-Sékula, P.R. Klatser, **P.J. Brennan**, J.S. Spencer, D.L. Williams, M.C.V. Pessolani, E.P. Sampaio, and T.H.M. Ottenhoff. 2005. Postgenomic approach to identify novel *Mycobacterium leprae* antigens with potential to improve immunodiagnosis of infection. *Infect. Immun.* 73:5636-5644.
26. Spencer, J.S., H.M. Dockrell, H.J. Kim, M.A.M. Marques, D.L. Williams, M.V.S.B. Martins, M.L. da Fonseca, M.C.B.S. Lima, E.N. Sarno, G.M.B. Pereira, H. Matos, E.P. Sampaio, T.H.M. Ottenhoff, A. Geluk, S.-N. Cho, N.G. Stoker, S.T. Cole, **P.J. Brennan**, and M.C.V. Pessolani. 2005. Identification of specific proteins and peptides in *Mycobacterium leprae* suitable for the selective diagnosis of leprosy. *J. Immunol. 1*75:7930-7938.
27. Mahapatra S., T. Yagi, J.T. Belisle, B.J. Espinosa, P.J. Hill, M.R. McNeil, **P.J. Brennan** and D.C. Crick. 2005. Mycobacterial lipid II is composed of a complex mixture of modified muramyl and peptide moieties linked to decaprenyl phosphate. *J. Bacteriol*. 187:2747-1257.
28. Berg, S., J. Starbuck, J.B. Torrelles, V.D. Vissa, D.C. Crick, D. Chatterjee, **P.J. Brennan**. 2005. Roles of conserved proline and glycosyltransferase motifs of EmbC in biosynthesis of lipoarabinomannan. *J. Biol. Chem*. 280:5651-5663.
29. Mahapatra, S., H. Scherman, **P. J. Brennan**, and D. C. Crick. 2005. N Glycolylation of the Nucleotide Precursors of Peptidoglycan Biosynthesis of Mycobacterium spp. Is Altered by Drug Treatment. *J. Bacteriol*. 187:2341-2347.
30. Sieling, P. A., J. B. Torrelles, S. Stenger, W. Chung, A. E. Burdick, T. H. Rea, **P. J. Brennan**, J. T. Belisle, S. A. Porcelli, and R. L. Modlin. 2005. The Human CD1-Restricted T Cell repertoire Is Limited to Cross-Reactive Antigens: Implications for Host Responses against Immunologically Related Pathogens. *J. Immunol.* 174:2637-2644.
31. Monot M, N. Honore, T. Garnier, R. Araoz, J. Y. Coppee, C. Lacroix, S. Sow, J. S. Spencer, R. W. Truman, D. L. Williams, R. Gelber, M. Virmond, B. Flageul., S. N. Cho, B.Ji, A. Paniz-Mondolfi, J. Convit, S. Young, P. E. Fine, V. Rasolofo, **P. J. Brennan**, S. T. Cole. 2005. On the origin of leprosy. *Science.* 308:1040-1042.
32. Liav, A. and **P.J. Brennan**. 2005. Stereoselective synthesis of farnesylphosphoryl β-D-arabinofuranose. *Tetrahedron Letters* 46:2937-2939.
33. Cho, S.-N, Kim, S.C., Eoh, H.-J., Liav, A., Chatterjee, D., and **Brennan, P.J.** 2005. A simple immunochromatographic kit for detection of antibodies of Phenolic Glycolipid I, the *Mycobacterium leprae* specific antigen. Submitted for publication.
34. Groathouse, N.A., Brown, S.E., Knudson, D.L., **Brennan, P.J.,** and Slayden, R.A. 2006. Isothermal Amplification and Molecular Typing of the Obligate Intracellular Pathogen *Mycobacterium leprae* from Tissues of Unknown Origins. *J. Clin. Microbiol.* 44:1502-1508.
35. Mikušová, K., Huang, H., Yagi, T., Holsters, M., Vereecke, D., D'Haeze, W., Scherman, M.S., **Brennan, P.J.,** McNeil, M.R., and Crick, D.C. 2005. Decaprenylphosphoryl Arabinofuranose, the Donor of the D-Arabinofuranosyl Residues of Mycobacterial Arabinan, Is Formed via a Two-Step Epimerization of Decaprenylphosphoryl Ribose. *J. Bacteriol.* 187:8020-8025.
36. Cardona-Castro, N.M., Restrepo-Jaramillo, S., Gil de la Ossa, M., and **Brennan, P.J.** 2005. Infection by *Mycobacterium leprae* of household contacts of lepromatous leprosy patients from a post-elimination leprosy region of Colombia. *Mem Inst. Oswaldo Cruz.* 100:703-707.
37. Liav, A., and **Brennan, P.J.** 2005. *N*-glycosyl-*N*'-(p-isoamyloxyphenyl)-thiourea derivatives: A route to hydrophilic agents with potential anti TB activity. Submitted.
38. Young, D. B., and **P. J. Brennan**. 2005. Special issue: TB Research in India - International Symposium on Emerging Trends in Tuberculosis - Introduction. *Tuberculosis.* 85:269-269.
39. Linde, C. M. A., S. Grundstrom, E. Nordling, E. Refai, **P. J. Brennan**, and M. Andersson. 2005. Conserved structure and function in the granulysin and NK-lysin peptide family. *Infection and Immunity.* 73:6332-6339.
40. Velezheva, V.S., Kornienko, A.G., Topilin, S.V., Turashev, A.D., Peregudov, A.S., and **Brennan, P.J.** 2005. Lewis Acid Catalyzed Nenitzescu Indole Synthesis. *J.Heterocyclic Chem.* Accepted.
41. Aráoz, R., Honoré, N., Cho, S., Kim, J.P., Cho, S.N., Monot ,M., Demangel, C., **Brennan, P.J**., and Cole, S.T. 2006. Antigen discovery: a postgenomic approach to leprosy diagnosis. *Infect. Immun.* 74:175-82.
42. Liav, A., Hunag, H., Ciepichal, E., **Brennan, P.J.**, and McNeil, M.R. 2006. Stereoselective synthesis of decaprenylphosphoryl β-D-arabinofuranose. *Science Direct Tetrahedron Letters.* 47:545-547.
43. Reece, S. T., G. Ireton, R. Mohamath, J. Guderian, W. Goto, R. Gelber, N. Groathouse, J. Spencer, **P. Brennan**, and S. G. Reed. 2006. ML0405 and ML2331 are antigens of *Mycobacterium leprae* with potential for diagnosis of leprosy. *Clin. Vaccine Immunol.* 13:333-340.
44. Dinadayala, P., D. Kaur, S. Berg, A.G. Amin, V.D. Vissa, D. Chatterjee, **P.J. Brennan**, and D.C. Crick. 2006. Genetic basis for the synthesis of the immunomodulatory mannose caps of lipoarabinomannan in mycobacterium tuberculosis. *J. Biol. Chem*. 281:20027-20035.
45. Groathouse, N.A., Brown, S.E., Knudson, D.L., **Brennan, P.J.**, Slayden, R.A. 2006. Isothermal Amplification and Molecular Typing of the Obligate Intracellular Pathogen *Mycobacterium leprae* Isolated from Tissues of Unknown Origins. *J. Clin. Microbiol.* 44:1502-8.
46. Kaur, D., Berg, S., Dinadayala, P., Gicquel, B., Chatterjee, D., McNeil, M.R., Vissa, V.D., Crick, D.C., Jackson M., **Brennan, P.J**. 2006. Biosynthesis of mycobacterial lipoarabinomannan: Role of a branching mannosyltransferase. *Proc. Natl. Acad. Sci.* [Epub ahead of print].
47. Phetsuksiri, B., Rudeeaneksin, J., Supapkul, P., Wachapong, S., Mahotarn, K., **Brennan, P,J**. 2006. A simplified reverse transcriptase PCR for rapid detection of *Mycobacterium leprae* in skin specimens. *FEMS Immunol Med Microbiol.* 48:319-328.

48. Mikusova, K., Belanova, M., Kordulakova, J., Honda, K., McNeil, M.R., Mahapatra, S., Crick, D.C., **Brennan, P.J**. 2006. Identification of a novel galactosyl transferase involved in biosynthesis of the mycobacterial cell wall. *J. Bacteriol.* 188:6592-8.
49. Groathouse, N.A., A. Amin, M.A.M. Marques, J.S. Spencer, R. Gelber, D.L. Knudson, P.J. Brennan, J.T. Belisle, and R.A. Slayden. 2006. Defining the humoral immune response in leprosy patients using protein arrays and identification of disease-state specific antigenic profiles. *Infect. Immun.* 74:6458-6466.
50. Araoz, R., N. Honore, S. Banu, C. Demangel, Y. Cissoko, C. Arama, M.K.M. Uddin, S.K.A. Hadi, M. Monot, S.-N. Cho, B. Ji, P.J. Brennan, S. Sow, and S.T. Cole. 2006. Towards an immunodiagnostic test for leprosy. *Microbes and Infect*. 8:2270-2276.
51. Velezheva, V.S., Kornienko, A.G., Topilin, S.V., Turashev, A.D., Peregudov, A.S., and Brennan, P.J. 2006. Lewis Acid Catalyzed Nenitzescu Indole Synthesis. *J. Heterocyclic Chem.* 43:873-879.
52. Berg, S., Kaur, D., Jackson, M., and **Brennan, P.J.** 2007. The Glycosyltransferases of *Mycobacterium tuberculosis*; roles in the synthesis of arabinogalactan, lipoarabinomannan, and other glycoconjugates. Glycobiology. In press.
53. Biet, F., Marques, M.A.M., Grayon, M., Xavier da Silveira EK, **Brennan, P.J.**, Drobecq, H., Raze, D., Pessolani, M.C.V., Locht, C., Menozzi, F.D. 2007. *Mycobacterium smegmatis* produces an HBHA homologue which is not involved in epithelial adherence. *Microbes Infect.* 9:175-182.
54. Biet, F., Marques, M.A.M., Grayon, M., Xavier da Silveira E.K., **Brennan, P.J.**, Drobecq, H., Raze, D., Pessolani, M.C.V., Locht, C., Menozzi, F.D. **2007.** *Mycobacterium smegmatis* produces an HBHA homologue which is not involved in epithelial adherence. *Microbes Infect.* 9:175-182.
55. **Brennan P.J.** and Crick, D.C**.** 2007. The cell-wall core of *Mycobacterium tuberculosis* in the context of drug discovery. *Curr Top Med Chem.* 2007;7(5):475-88.
56. Weng, X., Wang, Z., Liu, J., Kimura, M., Black, W.C. IV, **Brennan, P.J.,** Li, H., Vissa, V.D**.** 2007. Identification and Distribution of *Mycobacterium leprae* genotypes in a high prevalence region for leprosy in China: A three year molecular epidemiological study. *J Clin Microbiol.* 45:1728-34.
57. **Brennan, P.J.** and Young, D.B**.** 2007. Changes in the journal: Introduction of Deputy Editor, Dr. Brian Robertson. *Tuberculosis* (Edinb). 2007 Mar;87(2):77. Epub Feb 7. No abstract available. PMID: 17289433 [PubMed - in process]
58. Berg, S., Kaur, D., Jackson, M., **Brennan, P.J.** 2007. The Glycosyltransferases of *Mycobacterium tuberculosis*; Roles in the Synthesis of Arabinogalactan, Lipoarabinomannan, and other Glycoconjugates. *Glycobiology.* 17:35R-56R.
59. Martins, M.V., Lima, M.C., Duppre, N.C., Matos, H.J., Spencer, J.S., **Brennan, P.J.**, Sarno, E.N., Fonseca, L., Pereira, G.M., Pessolani, M.C. 2007. The level of PPD-specific IFN-gamma-producing CD4+ T cells in the blood predicts the *in vivo* response to PPD. *Tuberculosis* 87:202-211.
60. Wittkowski, M., Mittelstadt, J., Brandau, S., Reiling, N., Lindner, B., Torrelles, J., **Brennan, P.J.**, Holst, O. 2007. Capsular Arabinomannans from *Mycobacterium avium* with Morphotype-specific Structural Differences but Identical Biological Activity. *J Biol Chem*. 282:19103-19112.
61. Kincaid, E.Z., Wolf, A.J., Desvignes, L., Mahapatra, S., Crick, D.C., **Brennan, P.J.**, Pavelka, M.S. Jr., Ernst, J.D. 2007. Codominance of TLR2-Dependent and TLR2-Independent Modulation of MHC Class II in *Mycobacterium tuberculosis* Infection *In Vivo*. *J. Immunol.* 179:3187-3195.

Book chapters:

1. Vissa, V.D., and **P.J. Brennan**. 2002. Impact of the *Mycobacterium leprae* genome sequence on leprosy research. In *Genomics of GC-Rich Gram-Positive Bacteria*. Caister Academic Press, Wymondham, U.K. pp. 85-118.
2. Slayden, R.A., D.C. Crick, M.R. McNeil, and **P.J. Brennan**. 2003. Application of genomics to the discovery of new drugs against tuberculosis. In *Microbial Genomics and Drug Discovery.* T.J. Dougherty and S.J. Projan, eds. Marcel Dekker, Inc., New York, pp. 111-133.
3. Crick, D.C., **P.J. Brennan**, and M.R. McNeil. 2004. The cell wall of *Mycobacterium tuberculosis*. In *Tuberculosis. Second Edition.* Rom, W.N., and S.M. Garay, eds. Philadelphia: Lippincott Williams & Wilkins. pp. 115-134.
4. Mahapatra, S., J. Basu, **P.J. Brennan**, and D.C. Crick. 2005. Structure, Biosynthesis, and Genetics of the Mycolic Acid-Arabinogalactan-Peptidoglycan Complex. *Tuberculosis and the Tubercle Bacillas.* Chapter 18.
5. **Brennan, P.J**., Crick, D.C., and Quadri, L.E. 2007. In Tuberculosis Handbook, Chapter 1 (S.H.E. Kaufmann, Ed., E. Rubin, Co-Ed.; Wiley – VCH).
6. Crick, D.C. and **Brennan, P.J.** 2007. Biosynthesis of the arabinogalacton-peptidoglycan complex of *Mycobacterium tuberculosis*. Chapter 3 In "The Mycobacterial Cell Envelope: an Overview" (Eds. J-M. Reyrat and M. Daffé; Research Signpost) In press.