

## CURRICULUM VITAE



### Marilyn Cheryl Roberts, PhD.

**Address:** University of Washington  
Department Environmental & Occupational Health Sciences  
School of Public Health and Community Medicine  
Box 357234  
Seattle, Washington 98195-7234  
phone: (206)543-8001 fax: (206)543-3873  
e-mail: [marilynr@u.washington.edu](mailto:marilynr@u.washington.edu)  
web: <http://faculty.washington.edu/marilynr>

**Birthdate:** October 6, 1951

**Birthplace:** Portland, Oregon

#### Education

1969-71 No Degree, University of California, Davis  
1971-73 B.S. (Cum Laude), University of Washington (Microbiology and Immunology)  
1975-77 M.S. University of Washington (Microbiology and Immunology)  
1977-78 Ph.D. University of Washington (Microbiology and Immunology)

**Thesis:** Plasmids and conjugation in *Neisseria gonorrhoeae*.

#### Postdoctoral Training

1978-80 **Postdoctoral Fellow**, Division of Infectious Disease, Children's Orthopedic Hospital and Department of Pediatrics, University of Washington

#### Professional Positions

2008-Present **Member**, Institute of Translational Health Sciences  
2007-Present **Professor**, Multidisciplinary Predoctoral Clinical Research Training Program at Center for Health Sciences Interprofessional Education  
2007-Present **Adjunct Professor**, Global Health  
2007-Present **Adjunct Professor**, Pediatric Dentistry  
2006-Present **Professor**, Environmental & Occupational Health Sciences  
2005 **Adjunct Faculty**, Heritage College  
2003-2004 **Consultant**, ActivBiotics Lexington MA  
2001-Present **Official MLS Nomenclature Center** (macrolide-lincosamide-streptogramin resistance)  
2001-Present **Faculty of 1000**, Biology Reports, top 10% of all evaluations  
2001-Present **Member**, Northwest/Alaska Center to Reduce Oral Health Disparities Center, Executive Committee, University of Washington, Seattle

2001-2003 **Consultant**, Transgenomic, Omaha, NB  
1999-2000 **Consultant**, Roche Vitamin Inc, Nutley, NJ  
1999-Present **Research Affiliate**, Washington Regional Primate Research Center  
1998-1999 **Consultant**, Periodontix, Watertown, MA.  
1997 **Consultant**, PerioProducts, Jerusalem, Israel  
1994-Present **Professor**, Molecular and Cellular Biology Program, University of Washington, Seattle  
1994-Present **Professor**, Medical Scientist Training [MD/PhD] Program  
1994-2008 **Professor**, Department of Pathobiology, School of Public Health and Community  
Medicine, University of Washington, Seattle, WA  
1994-1999 **Consultant**, Atrix Laboratories Inc, Fort. Collins, CO.  
1992-1993 **Consultant**, Quinton Instrument Co. Seattle, WA.  
1992-1994 **Consultant**, American Cyanamid Co. Pearl River, N.Y.  
1991-Present **Affiliate Member**, UW Center for AIDS and STD  
1991-Present **Fellow**, Infectious Disease Society of America  
1990-1994 **Associate Professor**, Molecular and Cellular Biology Program, University of WA  
1989-Present **Fellow**, American Academy of Microbiology  
1988-1994 **Associate Professor**, Department of Pathobiology  
1987-1990 **Consultant**, Chiron Corporation, Emeryville CA  
1986-Present **Member**, Graduate School, University of Washington  
1985-1986 **Affiliate**, Center for Research in Oral Biology, School of Dentistry, University of  
Washington, Seattle WA  
1985-1988 **Assistant Professor**, Department of Pathobiology  
1984-1985 **Research Assistant Professor**, Department of Pathobiology  
1984 **Consultant**, Battelle Laboratories, Cellular and Molecular Biotechnology Section,  
Columbus Laboratories, Columbus, OH  
1983 **Visiting Scientist**, Oregon Health Sciences University, Portland OR  
1983-Present **Affiliate**, The Child Development and Mental Retardation Center, University of  
Washington, Seattle, WA  
1981 **Visiting Scientist**, University of Leicester, Leicester, England  
1981-1984 **Research Assistant Professor**, Department of Pediatrics, University of Washington  
and Division of Infectious Disease, Children's Orthopedic Hospital, Seattle, WA  
1980-1981 **Research Associate**, Division of Infectious Disease, Children's Orthopedic Hospital,  
Seattle, WA  
1979 **Research Associate**, Brookhaven National Laboratory with Dr. Jane Setlow  
1974 **Medical Technologist**, Ventura Hospital, Ventura, CA  
1973-1974 **Medical Technologist Trainee**, Cottage Hospital, Santa Barbara, CA

**Awards**

1981-84 National Institutes of Health New Investigator Award  
1981 Wellcome Trust Award for International Travel (Wellcome Research Travel Grant)  
1987 Charles C. Shepard Science Award Nomination (for scientific publication recognized as an  
important contribution to science)  
1997 Ms Chung (Graduate student) won ASM travel grant for abstract " Host range of the *ermF*  
rRNA methylase gene in human and animal bacteria." ICAAC Meeting 1997.  
1998 Ms. Luna (Graduate student) won Pasteur Merieux Connaught Award in Communicable  
Disease and Epidemiology for abstract "The identification of a multi-drug  
resistant *Streptococcus pneumoniae* clone in Washington." 8th International  
Congress on Infectious Diseases  
1998 Ms. Luna (Graduate student) won ASM travel grant for abstract "Host range of *mefE*?"  
ASM Meeting 1998

- 2005 Mr. Soge (Graduate Student) won ASM travel grant for abstract “Cefotaximase (CTX-M) enzymes from clinical Nigerian *Klebsiella pneumoniae* isolates.” ASM Meeting 2005
- 2007 Ms. Tivoli (MS student) won ASM Travel Grant for abstract “*Clostridium perfringens*: A Reservoir of Antibiotic Resistance Genes in the Environment?” presented at the ASM Meeting 2007

### Memberships

Alliance for Prudent Use of Antibiotics, American Association for the Advancement of Science [AAAS] American Society for Microbiology, Association for Women in Science, Sigma Xi, Anaerobe Society of the Americas, Inc. [ASA], Fellow in the American Academy of Microbiology, International Association for Dental Research, Fellow in the Infectious Disease Society of America

### Research Interests

Environmental methicillin resistant *Staphylococcus aureus* [MRSA] and vancomycin resistant enterococci [VRE], is, Plasmids, Bacterial Genetics, Bacteria Antibiotic Resistance Genes and Gene Exchange, Molecular Epidemiology, Emerging and Reemerging Diseases, Bacterial Pathogenes, Dental Caries, Periodontal Disease, Bacterial Mercury Resistance

### Editor

- 2005-present Journal of Antimicrobial Chemotherapy, [JAC] British Microbiology Society  
First North American Editor
- 2006-present FEMS Microbiology Letters, Federation of European Microbiological Society

### Editorial Board

- 1984-1986 Journal of Bacteriology, ASM
- 1994-1999 Journal of Periodontology, IADR
- 2001-2008 Journal of Antimicrobial Chemotherapy, [JAC] British Microbiology Society
- 2003-2011 Antimicrobial Agents and Chemotherapy, ASM

### Journal Reviewer: 1985-present

Antimicrob. Agents Chemother, Antonie van Leeuwenhoek, PNAS, Biochemistry, Canadian J. Microb., Clin. Infect. Dis., Expert Opinion on Therapeutic Patents, Eur. J. Clin. Microb., FEMS Micro Ecol., Gene, Infect. Dis., Infect. Immun., J. Antimicrob. Chemotherapy, J. App. Microbiol., J. Bacteriol., J. Clin. Microbiol., J. Dental Research, J Gen. Microbiol., J. Infect. Dis., J. Med Microbiol., Laboratory Animal Science, Lett Appl. Microbiol., Mayo Clinic Proceedings, Microbes & Infection (Institute Pasterur), Microbiology, Plasmid, Research in Microbiol., Sex. Trans. Dis.

### Book Proposal Reviewer: 1999 Cambridge University Press

### Professional Activity

- 1986-1987 **Special Grant Reviewer**, NIH Mycology and Bacteriology  
Study Section #2, (Feb.)
- 1988-1990 **Reviewer**, NSF Grant Prokaryotic Genetics Program
- 1989,1995-98 **Grant Reviewer**, B.C. Health Care Research Foundation
- 1991,1998-99 **Grant Reviewer**, Medical Research Council of Canada
- 1992-1995 **Ad Hoc Member**, Scientific Panel on Net Pen Issues; Topic 3, Antibiotic  
Resistance/Human Health Impact
- 1993 **Special Grant Reviewer**, NIH Oral Biology & Medicine Study Section #2 (Feb., June)
- 1993-1997 **Charter Member Grant Reviewer**, NIH Oral Biology & Medicine Study Section #2
- 1993 **Reviewer**, NIH Peer Review Appeal
- 1993 **Reviewer**, NIH Small Business Innovation Research Program (June)
- 1993,1997 **Reviewer**, British Society for Antimicrobial Chemotherapy
- 1993 **Reviewer**, The Wellcome Trust Grant
- 1993,1997-99 **Reviewer**, University of Washington Royalty Research Fund

## Professional Activity

- 1994 **Chairperson**, Oral Session 72nd General Session of International Association for Dental Research, Genetic Systems of Oral Bacteria, Seattle, WA March 9-13, 1994
- 1994 **Reviewer**, NIH Small Business Innovation Research Program (July)
- 1994 **Reviewer**, NIH Ad Hoc Committee Bacteriology & Mycology 1
- 1995 **Chairperson**, Symposium 29th General Session of American Association for Dental Research, Impact of Bacterial Antibiotic Resistance on Dental Practice San Antonio, TX. March 8-12, 1995
- 1995-1996 **Director**, "Impact of Bacterial Antibiotic Resistance on Oral Health: What is the Relevance?" Conference Sept 5-7, 1996 sponsored by NIH
- 1995 **Member**, Recruitment Committee for Washington State Health Laboratory Molecular Microbiology Position
- 1996 **Member**, Canadian Bacterial Diseases Network Appeal Committee
- 1996-1997 **Special Editor**, Supplement of "International Journal of Antimicrobial Agents" published
- 1997-98 **Reviewer**, Alberta Heritage Foundation for Medical Research
- 1998 **Founding Member**, Antibiotic Resistance in Non-clinical Bacteria Board
- 1998-99 **Co-chair**, Colloquium for Academy of Microbiology "Global Issues of Antibiotic Resistance: Ecology, Surveillance, and Use."
- 1999 **PhD Thesis External Examiner**, Samantha Ginn; The University of Sydney, Postgraduate
- 1998 **Chair**, NIH Special Emphasis Panel (June)
- 1999 **Chair**, Colloquium for Academy of Microbiology "Global Issues of Antibiotic Resistance: Ecology, Surveillance, and Use." July 16-18, 1999 San Juan, Puerto Rico
- 1999 **Moderator**, "Antibiotic Resistance: Ecology, Surveillance, and Use." July 18, 1999 University of Puerto Rico, San Juan, Puerto Rico
- 2000 **Co-Chair**, Microbiology/Immunology and Infection Control Epidemiology, Oral Session, IADR April 8, 2000, Washington DC
- 2000 **Reviewer**, NIH Center for Scientific Review Special Emphasis Panel ZRG1 AARR-1 06
- 2000 **Reviewer**, FDA Research Studies on Microbiological Hazards Associated with the Food Animal Production Environment
- 2000 **Founding Member**, Tacoma-Pierce County Health Department Antimicrobial Resistance
- 2000-2002 **Program Chair** of the Agriculture/Veterinary Committee, Tacoma Health Department
- 2001 **PhD Thesis External Reviewer**, Franco Pagotto; The University of Ottawa, Ottawa Canada
- 2001 **Reviewer**, Cooperative Grants Program, U.S. Civilian Research & Development Foundation
- 2001 **Key Faculty Member**, Fall Faculty Fellows Program
- 2001 **Reviewer**, NSF Microbial Genetics Program
- 2001 **PhD Thesis External Reviewer**, Carolina Marquez, Catedra de Microbiologia, Facultad de Quimica, Montevideo, Uruguay
- 2001-2002 **Moderator**, ROAR International e-mail list-serve on antibiotic resistant bacteria
- 2002-2004 **Alternative Councilor**, Division A of the American Society of Microbiology
- 2002-2008 **Council Member**, The Anaerobe Society of the Americas
- 2002 **Reviewer**, The Wellcome Trust, UK
- 2002 **Reviewer**, DSc Application, University of Leeds UK
- 2002 **Reviewer**, Michael Smith Foundation for Health Research, British Columbia, Canada
- 2002-2003 **Reviewer**, NIH, NIDCR SBRI Program Review
- 2002-2003 **Reviewer**, NSF Microbial Genetics
- 2002 **Co-Chair**, Surveillance and Early Detection of Resistance, Forty-second Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego CA, Sept 28, 2002
- 2002 **Reviewer**, NIH, NIAID Innovative Approaches for Combating Antimicrobial Resistance ZAI1-AR-M-M1

## Professional Activity

- 2002 **PhD Thesis External Examiner**, Jeanette Teo Woon Pei, National University of Singapore, Singapore
- 2002-07 **Member**, Steering Committee ROAR II Project
- 2002-08 **Member**, Disparities Center Administrative Advisory Executive Committee
- 2002-03 **Member**, ASM Committee for Identifying Emergent High Profile Topics in Microbiology
- 2003-2006 **Councilor**, Division A of the American Society of Microbiology
- 2003 **Reviewer**, USDA, Animal Health & Well-Being Program
- 2003 **Reviewer**, The Wellcome Trust, UK
- 2003 **Chair**, NIH, NIDCR SBRI Special Emphasis Panel (Dec)
- 2004 **Chairperson**, Session #34; Cariogenic bacteria, biofilm/plaque, Immunology. General Session of International Association for Dental Research, Honolulu, HI. March 10-13, 2004
- 2004 **Organizing Committee**, The 7<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas
- 2004 **Reviewer**, American Institute of Biological Sciences
- 2004 **Reviewer**, USDA/CSREES/National Research Initiative Competitive Grants Program Soils & Soil Biology Program
- 2004 **Charter Member Reviewer**, NIH Drug Discovery & Mechanisms of Antimicrobial Resistance Study Section
- 2004 **Co-Chair**, Session XII; Looking back and looking forward in anaerobic bacteriology, 2004 Anaerobe. The 7<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Annapolis, MD, July 19-21, 2004
- 2004 **Judge**, Student posters 2004 Anaerobe Meeting. The 7<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Annapolis, MD, July 19-21, 2004
- 2004-Present **Member**, Advisory Committee K22 award to Sun Oh Chung
- 2005 **Reviewer**, ROAR pilot projects for NIH grant
- 2005 **Reviewer**, Wellcome Trust Sanger Institute Review of Program Projects, UK
- 2005 **Reviewer**, ROAR Grant Review Committee
- 2005 **Reviewer**, British Society for Antibiotics and Chemotherapy Grant Review
- 2005 **Reviewer**, Chief Scientist Office, Scottish Executive Health Dept. Biomedical & Therapeutic Research Committee
- 2005 **Reviewer**, Civilian Research & Development Foundation Cooperative Grants Program
- 2006 **Organizing Committee**, The 8<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas
- 2006 **Judge**, Student posters 2006 Anaerobe Meeting. The 8<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Boise ID, July 25-28, 2006
- 2006 **Co-Chair**, Session IX; Mechanisms of antimicrobial resistance among anaerobes. Anaerobe 2006, The 8<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Boise ID, July 25-28, 2006.
- 2008 **Chair**, Session XI;I The Other Clostridia. Anaerobe 2008, The 9<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Long Beach CA June24-27, 2008.
- 2008 **Judge**, Student posters 2008 Anaerobe Meeting. The 9<sup>th</sup> Biennial Congress of the Anaerobe Society of the Americas, Long Beach CA June24-27, 2008.

## PUBLICATIONS

1. Elwell, L.P., **M. Roberts**, L.C., Mayer and S. Falkow. Plasmid-mediated beta-lactamase production in *Neisseria gonorrhoeae*. *Antimicrob. Agents Chemother.* 11:528-533, 1977.
2. Falkow, S., L.P. Elwell, **M. Roberts**, F. Heffron and R. Gill. The transposition of ampicillin resistance: Nature of ampicillin in *Haemophilus influenzae* and *Neisseria gonorrhoeae*. p. 115-129. *IN R-factors: Their properties and possible control symposium*. Baden near Vienna, April 27-29, 1977. *Topics in Infectious Disease*, Vol. 2 J. Drews and G. Hogenauer (eds). Springer-Verlag, Austria, 1977.
3. **Roberts, M.** and S. Falkow. Conjugal transfer of R plasmids in *Neisseria gonorrhoeae*. *Nature* (London) 266:630-631, 1977.
4. **Roberts, M.**, L.P. Elwell and S. Falkow. Molecular characterization of two beta-lactamase-specifying plasmids isolated from *Neisseria gonorrhoeae*. *J. Bacteriol.* 131:557-563, 1977.
5. Elwell, L.P., **M. Roberts** and S. Falkow. Common beta-lactamase-specifying R plasmids isolated from the genera *Haemophilus* and *Neisseria*. p. 255-256. *IN Microbiology 1978*. D. Schlessinger (ed). American Society for Microbiology, Washington D.C., 1978.
6. **Roberts, M.** and S. Falkow. Plasmid mediated chromosomal gene transfer in *Neisseria gonorrhoeae*. *J. Bacteriol.* 134:66-70, 1978.
7. **Roberts, M.**, L.P. Elwell and S. Falkow. Introduction to the mechanisms of genetic exchange in the gonococcus: Plasmid and conjugation in *Neisseria gonorrhoeae*. p. 38-43. *IN Immunobiology of Neisseria gonorrhoeae*, G.F. Brooks, E.C. Gotschlick, K.K. Holmes, W.D. Sawyer, F.E. Young (eds). American Society for Microbiology, Washington D.C., 1978.
8. Tompkins, L.S., **M. Roberts**, J.H. Crosa and S. Falkow. Epidemiology of plasmid-mediated ampicillin resistance in pathogenic microorganisms. p. 177-184. *IN Genetics of Industrial Microorganisms*. O.K. Sebek and A.I. Laskin (eds). American Society for Microbiology, Washington, D.C., 1978.
9. Piot, P., **M. Roberts** and G. Ninare. Beta-lactamase production in commensal *Neisseriaceae*. *Lancet* i:619, 1979.
10. **Roberts, M.** and S. Falkow. *In vivo* conjugal transfer of R plasmids in *Neisseria gonorrhoeae*. *Infect. Immun.* 24:982-984, 1979.
11. **Roberts, M.**, P. Piot and S. Falkow. The ecology of gonococcal plasmids. *J. Gen. Microbiology* 114:491-494, 1979.
12. **Roberts, M.C.**, C.D. Swenson, L.M. Owens and A.L. Smith. Characterization of chloramphenicol resistant *Haemophilus influenzae*. *Antimicrob. Agents Chemother.* 18:610-615, 1980.
13. **Roberts, M.C.** and A.L. Smith. Molecular characterization of "plasmid-free" antibiotic resistant *Haemophilus influenzae*. *J. Bacteriol.* 144:476-479, 1980.
14. **Roberts, M.**, T.L. Stull and A.L. Smith. Comparative virulence in *Haemophilus influenzae* with a type b or type d capsule. *Infect. Immun.* 32:518-524, 1981.
15. Azemun, P., T. Stull, **M. Roberts** and A.L. Smith. Rapid detection of chloramphenicol resistance in *Haemophilus influenzae*. *Antimicrob. Agents Chemother.* 20:168-170, 1981.
16. Johnson, M.A., W.L. Drew and **M. Roberts**. *Branhamella (Neisseria) catarrhalis*: a lower respiratory tract pathogen? *J. Clin. Microbiol.* 13:1066-1069, 1981.
17. Scheifele, D.W., S.J. Fussel and **M.C. Roberts**. Characterization of ampicillin-resistant *Haemophilus parainfluenzae*. *Antimicrob. Agents Chemother.* 21:734-739, 1982.

18. Wong, K., **M.C. Roberts** and A.L. Smith. The activity of Sch29482 against type b *Haemophilus influenzae* lacking or possessing beta-lactamase activity. *J. Antimicrob. Chemother.* 9 suppl. C, 163-170, 1982.
19. Smith, A.L., R.S. Daum, D. Scheifele, V. Syriopolou, D.R. Averril, **M.C. Roberts** and T.L. Stull. Pathogenesis of *Haemophilus influenzae* meningitis. p. 89-109. *IN Haemophilus influenzae: epidemiology, Immunology and Prevention of Disease.* S.H. Sell and P.F. Wright (eds). Elsevier Science Publishing Co., Inc. 1982.
20. **Roberts, M.**, A. Corney and W.V. Shaw. Molecular characterization of chloramphenicol acetyltransferases isolated from *Haemophilus influenzae*. *J. Bacteriol.* 151:737-741, 1982.
21. Mendelmann, P.M., **M.C. Roberts** and A.L. Smith. Mutation frequency of *Haemophilus influenzae* to rifampin-resistance. *Antimicrob. Agents Chemother.* 22:531-533, 1982.
22. Wong, K., **M.C. Roberts**, L. Owens, M. Fife and A.L. Smith. Selective media for the quantitation of bacteria in cystic fibrosis sputum. *J. Med. Microbiol.* 17:113-120, 1984.
23. Spiegel, C.A. and **M. Roberts**. *Mobiluncus* gen. nov., *Mobiluncus curtisii* subspecies *curtisii* sp. nov., *Mobiluncus curtisii* subspecies *holmesii* subsp. nov., and *Mobiluncus mulieris* sp. nov., curved rods from the human vagina. *Internat. J. Syst. Bacteriol.* 34:177-184, 1984.
24. Stull, T.L., R.F. Jacobs, J.E. Haas, **M.C. Roberts**, C.B. Wilson and A.L. Smith. Strain and growth phase dependence of human serum activity against *Haemophilus influenzae* type b. *J. Gen. Microbiol.* 130:665-672, 1984.
25. Marshall, B., **M. Roberts**, A. Smith and S.B. Levy. Homogeneity of tetracycline-resistance determinants in *Haemophilus* species. *J. Infect. Dis.* 149:1028-1029, 1984.
26. **Roberts, M.**, R.F. Jacobs, J.E. Haas and A.L. Smith. Adherence of *Haemophilus influenzae* to monkey respiratory tissue in organ culture. *J. Gen. Microbiol.* 130:1437-1447, 1984.
27. **Roberts, M.C.**, S.L. Hillier, F.O. Schoenknecht, and K.K. Holmes. Nitrocellulose filter blots for species identification of *Mobiluncus curtisii* and *Mobiluncus mulieris*. *J. Clin. Microbiol.* 20:826-827, 1984.
28. Smith, A.L., **M.C. Roberts**, T. Stull, P. Mendelman, and J.E. Haas. Mechanisms of *Haemophilus influenzae* type b meningitis. p. 11-21. *IN Bacterial Meningitis.* M.A. Sande, A.L. Smith and R.K. Root (eds). Churchill Livingstone. New York. 1985.
29. **Roberts, M.C.**, E.J. Baron, S.M. Finegold and G.E. Kenny. Antigenic distinctiveness of *Mobiluncus curtisii* and *Mobiluncus mulieris*. *J. Clin. Micro.* 21:891-893, 1985.
30. **Roberts, M.C.**, S.L. Hillier, F.O. Schoenknecht and K.K. Holmes. Comparison of gram stain, DNA probe, and culture for the identification of *Mobiluncus* spp. in female genital specimens. *J. Infect. Dis.* 152:74-77, 1985.
31. **Roberts, M.C.**, L. Koutsky, D. LeBlanc, K.K. Holmes and G.E. Kenny. Tetracycline resistant *Mycoplasma hominis* strains containing streptococcal *tetM* sequences. *Antimicrob. Agents Chemother.* 28:141-143, 1985.
32. **Roberts, M.C.**, L.A. Actis and J.H. Crosa. Molecular characterization of chloramphenicol resistant *Haemophilus parainfluenzae* and *Haemophilus ducreyi*. *Antimicrob. Agents Chemother.* 28:176-180, 1985.
33. **Roberts, M.C.** Antibiotic resistance among mycoplasmas and other urogenital bacteria. *APUA Newsletter.* 3:1-2, 1985.
34. Woloj, M., M.E. Tolmasky, **M.C. Roberts** and J.H. Crosa. Plasmid-encoded amikacin resistance to multiresistant strains of *Klebsiella pneumoniae*. *Antimicrob. Agents Chemother.* 29:315-319, 1986.

35. **Roberts, M.C.** and G.E. Kenny. Dissemination of the *tetM* tetracycline resistance determinant to *Ureaplasma urealyticum*. *Antimicrob. Agents Chemother.* 29:350-352, 1986.
36. **Roberts, M.C.**, C.L. Mintz and S. Morse. Characterization of *Haemophilus parainfluenzae* strains with low-M<sub>r</sub> or ladder-like lipopolysaccharides. *J. Gen. Microbiol.* 132:611-616, 1986.
37. **Roberts, M.**, T.A. Bell, K.I. Sandstrom, A.L. Smith and K.K. Holmes. Characterization of *Haemophilus* spp. isolated from infant conjunctivitis. *J. Med. Microbiol.* 21:219-224, 1986.
38. Tolmasky, M.E, **M. Roberts**, M. Woloj and J.H. Crosa. Molecular cloning of amikacin resistance determinants from a *Klebsiella pneumoniae* plasmid. *Antimicrob. Agents Chemother.* 30:315-320, 1986.
39. Morse, S.A., S.R. Johnson, J.W. Biddle and **M.C. Roberts**. High-level tetracycline resistance in *Neisseria gonorrhoeae* is result of acquisition of streptococcal *tetM* determinant. *Antimicrob. Agents Chemother.* 30:664-670, 1986.
40. **Roberts, M.C.**, S.L. Hillier, J. Hale, K.K. Holmes, and G.E. Kenny. Tetracycline resistance and *tetM* in pathogenic urogenital bacteria. *Antimicrob. Agents Chemother.* 30:810-812, 1986.
41. **Roberts, M.C.** and G.E. Kenny. Tetracycline resistant *Ureaplasma urealyticum*. *Pediatr. Infect. Dis.* 5:S338-S340, 1986.
42. Kenny G.E., F.D. Cartwright and **M. Roberts**. Agar dilution method for determination of antibiotic susceptibility of *Ureaplasma urealyticum*. *Pediatr. Infect. Dis.* 5:S332-S334, 1986.
43. **Roberts, M.C.**, B. Moncla and G.E. Kenny. Chromosomal DNA probes for the identification of *Bacteroides* species. *J. Gen. Microbiol.* 133:1423-1430, 1987.
44. **Roberts, M.C.**, C. McMillian and M.B. Coyle. Whole-chromosomal DNA probes for the rapid identification of *Mycobacterium tuberculosis* and *Mycobacterium avium* complex. *J. Clin. Microbiol.* 25:1239-1243, 1987.
45. **Roberts, M.C.**, and G.E. Kenny. Conjugal transfer of transposon Tn916 from *Streptococcus faecalis* to *Mycoplasma hominis*. *J. Bacteriol.* 169:3836-3839, 1987.
46. **Roberts, M.C.**, M. Hooton, W. Stamm, K.K. Holmes, and G.E. Kenny. DNA probes for detection of *Mycoplasma hominis* in genital specimens. *Israel J. Med. Sci.* 23:618-620, 1987.
47. **Roberts, M.**, and H. Brunner. Interest Session: Chemotherapy in mycoplasma infections. *Israel J. Med. Sci.* 23:781-782, 1987.
48. Brown, J.T., and **M.C. Roberts**. Cloning and characterization of *tetM* from an *Ureaplasma urealyticum* strain. *Antimicrob. Agents Chemother.* 31:1852-1854, 1987.
49. **Roberts, M.C.**, B. van Klingeren, J.H.T. Wagenvoort, and J.S. Knapp. *tetM*,  $\beta$ -lactamase-containing *Neisseria gonorrhoeae* (tetracycline resistant and penicillinase producing) in the Netherlands. *Antimicrob. Agents Chemother.* 32:158, 1988.
50. Hooton, T.M. , **M.C. Roberts**, P.L. Roberts, K.K. Holmes, W.E. Stamm, and G.E. Kenny. Prevalence of *Mycoplasma genitalium* in men with urethritis as determined by DNA probe. *Lancet* i:266-268, 1988.
51. Sanchez-Pescador, R., J.T. Brown, **M. Roberts**, and M.S. Urdea. The nucleotide sequence of the tetracycline resistance determinant tetM from *Ureaplasma urealyticum*. *Nucl. Acid Res.* 16:1216-1217, 1988.
52. Sanchez-Pescador, R., J.T. Brown, **M. Roberts**, and M.S. Urdea. Homology of the TetM with translational elongation factors: implications for potential modes of *tetM* conferred tetracycline resistance. *Nucl. Acid Res.* 16:1218, 1988.

53. **Roberts, M.C.**, and J.S. Knapp. Host range of the conjugative 25.2 Mdal tetracycline resistance plasmid from *Neisseria gonorrhoeae*. *Antimicrob. Agents Chemother.* 32:488-491, 1988.
54. **Roberts, M.C.** Tetracycline resistance in genital tract bacteria. *Infections in Medicine.* 5:199-203, 1988.
55. Knapp, J.S., S.R. Johnson, J.M. Zenilman, **M.C. Roberts**, and S.A. Morse. High-level tetracycline resistance resulting from TetM in strains of *Neisseria* species, *Kingella denitrificans*, and *Eikenella corrodens*. *Antimicrob. Agents Chemother.* 32:765-767, 1988.
56. Knapp, J.S., J.M. Zenilman, **M.C. Roberts**, J.R. Johnson, M.E. Shepherd, J.W. Biddle, and S.A. Morse. High-level resistance associated with *tetM* in *Neisseria meningitidis* and other *Neisseriaceae*. p. 137-141. *IN Gonococci and meningococci.* J. T. Poolman (ed). Kluwer Academic Publishers. Dordrecht, The Netherlands, 1988.
57. Morse, S.A., S.R. Johnson, J.W. Biddle and **M.C. Roberts**. Acquisition of the streptococcal *tetM* determinant by *Neisseria gonorrhoeae*. p. 153-158. *IN Gonococci and meningococci.* J. T. Poolman (ed), Kluwer Academic Publishers. Dordrecht, The Netherlands, 1988.
58. **Roberts, M.C.** Tetracycline resistance in genital tract bacteria. *Physician Assistants in Primary and Hospital Care* 5:200-203, 1988.
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