

CURRICULUM VITAE



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Linkedin www.linkedin.com/pub/marilyn-roberts/1a/848/45b
ResearchGate https://www.researchgate.net/profile/Marilyn_Roberts/publications/?cp=re214_x_p2&ch=reg&login=marilynr@u.washington.edu&pli=1
Biomed Experts http://www.biomedexperts.com/Profile.bme/1189899/Marilyn_C_Robert

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

2016-Present **Research Affiliate**, Washington National Primate Research Center

Professional Positions continued

2015-2016 **Fellow**, Science Communication Fellows program, Pacific Science Center's Portal to the Public, Seattle WA

2013-Present **Affiliate Member**, Center for Emerging and Re-emerging Infectious Diseases [CERID],
2013 **Consultant and Expert Witness**, Law firm of McKinney, Bancroft & Hughes
2013 **Consultant and Expert Witness**, Law firm of Farley & Graves, P.C.
2012 **Consultant and Expert Witness**, Law firm of Lee Smart, P.S., Inc
2012-2013 **Consultant and Participant**, Pew Foundation Supermoms Against Superbugs Program
2012-2013 **Infectious Disease Consultant Battelle Institute**, for the Republic of Georgia
2010 **Consultant and Expert Witness**, Law firm of Gruenstein & Hickey
2009-2012 **Graduate Program Coordinator**, DEOHS, UW
2008-Present **Member**, Institute of Translational Health Sciences, UW
2007-Present **Professor**, Multidisciplinary Predoctoral Clinical Research Training Program at Center
for Health Sciences Interprofessional Education, UW
2007-Present **Adjunct Professor**, Global Health, UW
2007-Present **Adjunct Professor**, Pediatric Dentistry, UW
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
2001-2013 **Member**, Northwest/Alaska Center to Reduce Oral Health Disparities Center, Executive
Committee, University of Washington, Seattle
2001-2003 **Consultant**, Transgenomic, Omaha, NB
2000-2013 **Faculty**, Northwest Center to Reduce Oral Health Disparity Center, School
of Dentistry
1999-2000 **Consultant**, Roche Vitamin Inc, Nutley, NJ
1999-2002 **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 School of Public Health and
Community
Medicine, University of Washington, Seattle, WA
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

Professional Positions continued

- 1984 **Consultant**, Battelle Laboratories, Cellular and Molecular Biotechnology Section, Columbus Laboratories, Columbus, OH
- 1983 **Visiting Scientist**, Oregon Health Sciences University, Portland OR
- 1983-1990 **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 to Dr. Roberts
- 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 ASM travel grant for abstract "Host range of *mefE*?" ASM Meeting 1998
- 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
- 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
- 2007 Dr. Olusegun Soge, University of Ibadan, Ibadan, Nigeria, "Characterization of Antibiotic Resistant *Klebsiella pneumoniae*" **Best Nigerian Thesis in Pharmacy 2007 award**
- 2009 Milgrom, P., K.A. Ly, O.K. Tut, L. Mancl, **M.C. Roberts**, K. Briand, and M.J. Gancio. "Xylitol pediatric topical oral syrup to prevent dental caries. Arch. Pediatr. Adolesc. Med. 163:601. **Sheiham Award for outstanding paper in Pediatric Adolescent Medicine**
- 2010 Ms. Stiffarm (Summer Student) "Prevalence and distribution of methicillin-resistant *Staphylococcus aureus* (MRSA) on three Seattle-Metro beaches." Annual Biomedical Research Conference for Minority Students (ABRCMS), Charlotte, N. Carolina. **Best Poster at the meeting**
- 2017 Dental Research award Hipolito Unanue Peru "Milk sweetened with xylitol: a proof-of-principle caries prevention randomized clinical trial."

Memberships: Alliance for Prudent Use of Antibiotics, American Association for the Advancement of Science [AAAS], American Society for Microbiology, Anaerobe Society of the Americas, Inc. [ASA], Fellow in the American Academy of Microbiology, Fellow in the Infectious Disease Society of America, Society of Environmental Toxicology and Chemistry

Research Interests

Environmental *E. coli*, environmental, clinical and occupational methicillin resistant *Staphylococcus aureus* [MRSA], Antibiotic resistance genes in the environment, Plasmids, Bacterial genetics and gene exchange, Emerging and reemerging diseases, Molecular epidemiology, One Health and how the environment, humans and animals interact and share antibiotic resistant bacteria, antibiotic resistance genes and diseases

Editor

2005-2011 Journal of Antimicrobial Chemotherapy, [JAC] British Microbiology Society
First North American Editor
2006-present FEMS Microbiology Letters, Federation of European Microbiological Society
2010-2015 Frontier in Microbiology: Antimicrobials Resistance & Chemotherapy
2014-present International Journal of Antibiotics
2015 Technical Editor, Journal of Environmental Quality, Special Collection “Antibiotics in Agroecosystems: State of the Science”
2017 International Journal of Environmental Research & Public Health

Editorial Board

1984-1986 Journal of Bacteriology, ASM
1994-1999 Journal of Periodontology, IADR
2001-present Journal of Antimicrobial Chemotherapy, [JAC] British Microbiology Society
2003-2011 Antimicrobial Agents and Chemotherapy, ASM
2009-present Microbial Drug Resistance
2010-2016 Frontiers in Antimicrobials, Resistance and Chemotherapy
2012-Present Journal of Antibiotics
2013-Present Journal of Coastal Life Medicine
2014-Present Antimicrobial Agents and Chemotherapy, ASM
2014-2016 American Journal of Infection Control
2014-present International Journal of Environmental Research and Public Health

Journal Reviewer: 1985-present (selected journals are listed below)

Antimicrob. Agents Chemother, PNAS, Biochemistry, Clin. Infect. Dis., Env Health Perspectives, 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., Int J Food Microb., J. Med Microbiol., Laboratory Animal Science, Lancet, Lett Appl. Microbiol., Microbiology, Nature, Plasmid, PNAS, PLOS One, Research in Microbiol., Science, Vet Microb.

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) ZA11-AR-M-M1
1993,1997 **Reviewer**, British Society for Antimicrobial Chemotherapy
1993 **Reviewer**, The Wellcome Trust Grant

Professional Activity continued

1993,1997-99 **Reviewer**, University of Washington Royalty Research Fund

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 WA State Health Laboratory Molecular Microbiology

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 **Chair**, NIH Special Emphasis Panel (June)

1999 **PhD Thesis External Examiner**, The University of Sydney, Postgraduate

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 **Reviewer**, NIH Center for Scientific Review Special Emphasis Panel ZRG1 AARR-1 06

2000 **Co-Chair**, Microbiology/Immunology and Infection Control Epidemiology, Oral Session, IADR April 8, 2000, Washington DC

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**, 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

2002-2010 **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

2002 **PhD Thesis External Examiner**, Jeanette Teo Woon Pei, National University of Singapore

2002-07 **Member**, Steering Committee ROAR II Project

Professional Activity (continued)

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, 2005 **Reviewer**, The Wellcome Trust Sanger Institute Review of Program Projects, 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 7th 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 7th Biennial Congress of the Anaerobe Society of the Americas, Annapolis, MD, July 19-21, 2004

2004 **Judge**, Student posters 2004 Anaerobe Meeting. The 7th Biennial Congress of the Anaerobe Society of the Americas, Annapolis, MD, July 19-21, 2004

2004-2009 **Member**, Advisory Committee K22 award to Whasun Oh Chung PhD

2005 **Reviewer**, ROAR pilot projects Committee for NIH grant

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

2006-2010 **Organizing Committee**, The 8th, 9th and 10th Biennial Congress of the Anaerobe Society of the Americas

2006 **Judge**, Student posters 2006 Anaerobe Meeting. The 8th 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 8th 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 9th Biennial Congress of the Anaerobe Society of the Americas, Long Beach CA June 24-27, 2008

2008 **Judge**, Student posters 2008 Anaerobe Meeting. The 9th Biennial Congress of the Anaerobe Society of the Americas, Long Beach CA June 24-27, 2008

2010 **Judge**, Student posters 2010 Anaerobe Meeting. The 10th Biennial Congress of the Anaerobe Society of the Americas, Philadelphia PA July 8-10, 2010.

2011-2012 **Reviewer**, NIH/IMST-11 SBRI Special Emphasis Panel, Biological Chemistry, Biophysics, and Drug Discovery

2011-2016 **Member**, American Academy of Microbiology Committee on Elections

2011-2016 **Member** Board of Governors American Academy of Microbiology

2012 **Committee Member**, Professorship Evaluation committee, Dept. Veterinary Disease, Univ. of Copenhagen

2012 **Reviewer**, Open Course Library Project WA Community Colleges funded Gates Foundation

2012, 14 **Reviewer**, UW Royalty Research Fund

Professional Activity (continued)

2012-14 **Reviewer**, Pennsylvania Dept of Healthy, Oak Ridge Associated Universities

2013 **Reviewer**, United States Fire Administration USFA Safety Manual FA-144-EMS

- Safety: Techniques and Applications and FA-112 Guide to Managing an Emergency Service Infection Control Program
- 2014 **Judge**, Graduate students oral presentations, Pacific Northwest Society of Environmental Toxicology and Chemistry (PNW-SETAC), Tacoma WA, April 24-26, 2014
- 2014 **Evaluator**, Tenure and promotion of Dr. Tomoyuki Shibata, College of Health & Human Sciences, Northern Illinois University
- 2014 **Grant Reviewer**, Swiss National Science Foundation
- 2014 **Graduate Mentor**, Antibiotic Resistance in Agroecosystems: State of the Science
- 2015-Present **Science Communication Fellow**, Pacific Science Center Portal to the Public Team
- 2015 **Co-Chair & Reviewer**, NIH/ IMST-L 80: Training in Comparative Medicine Study Section
- 2015 **Grant Reviewer**, NSF Partnerships for International Research & Education (PIRE) Study Section
- 2015 **Grant Reviewer**, NIH/ZAI1-LG-M-S1, Non-traditional Therapeutics that Limit Antibacterial Resistance
- 2016 **Grant Reviewer**, Florida Department of Health's Biomedical Research Programs
- 2017 **Grant Reviewer**, NIH Pakistan-United States Science & Technology Cooperation program 2016
- 2017 **PhD Thesis External Examiner**, Mehrnoush Mahammadali, University of British Columbia Canada, Civil Engineering
- 2017, 2019 **MPhil Thesis External Examiner**, University of West Indies, West Indies Biological and Chemical Sciences

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. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC352016/pdf/aac00297-0164.pdf>
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. PMID 404570 <http://www.nature.com/nature/journal/v266/n5603/pdf/266630a0.pdf>
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. PMID 407214; PMC235464 PMID 407214; PMC235464 <http://jb.asm.org/content/131/2/557.full.pdf+html>
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. <http://jb.asm.org/content/134/1/66.full.pdf+html>
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. http://ac.els-cdn.com/S0140673679910614/1-s2.0-S0140673679910614-main.pdf?_tid=fe3e9ba6-8b91-11e4-8a32-00000aacb35d&acdnat=1419442168_008673abc48c19141f22164c6f072dc8
10. **Roberts, M.** and S. Falkow. *In vivo* conjugal transfer of R plasmids in *Neisseria gonorrhoeae*. Infect. Immun. 24:982-984, 1979. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC414408/pdf/iai00186-0394.pdf>
11. **Roberts, M.**, P. Piot and S. Falkow. The ecology of gonococcal plasmids. J. Gen. Microbiology 114:491-494, 1979. PMID 232127 <http://mic.sgmjournals.org/content/114/2/491.full.pdf+html>
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. PMID 6969577; PMC284058 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC284058/pdf/aac00390-0124.pdf>
13. **Roberts, M.C.** and A.L. Smith. Molecular characterization of "plasmid-free" antibiotic resistant *Haemophilus influenzae*. J. Bacteriol. 144:476-479, 1980. PMC294691 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC294691/pdf/jbacter00571-0490.pdf>
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. PMID 6972914; PMC351477 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC351477/pdf/iai00163-0116.pdf>

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. PMC181658
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC181658/pdf/aac00008-0024.pdf>
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. PMID; PMC273951
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC273951/pdf/jcm00167-0080.pdf>
17. Scheifele, D.W., S.J. Fussel and **M.C. Roberts**. Characterization of ampicillin-resistant *Haemophilus parainfluenzae*. *Antimicrob. Agents Chemother.* 21:734-739, 1982. PMID 6980626; PMC182003
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC182003/pdf/aac00017-0052.pdf>
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 three chloramphenicol acetyltransferases isolated from *Haemophilus influenzae*. *J. Bacteriol.* 151:737-741, 1982. PMID 6178720; PMC220317 <http://jbs.asm.org/content/151/2/737.long>
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. PMID 6982682; PMC183781 <http://aac.asm.org/content/22/3/531.full.pdf>
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. PMID 6423825
<http://jmm.sgmjournals.org/content/17/2/113.long>
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.
<http://ijs.sgmjournals.org/content/34/2/177.full.pdf+html>
24. Stull, T.L., R.F. Jacobs, J.E. Haas, **M.C. Roberts**, C.B. Wilson and A.L. Smith. Human serum bactericidal activity against *Haemophilus influenzae* type b. *J. Gen. Microbiol.* 130:665-672, 1984.
<http://mic.sgmjournals.org/content/130/3/665.full.pdf>
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. PMID 6330236
<http://www.jstor.org/stable/pdfplus/30131504.pdf?&acceptTC=true&jpdConfirm=true>
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. PMID 6434695
<http://mic.sgmjournals.org/content/130/6/1437.full.pdf+html>
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. PMID 6541662; PMC271444
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC271444/pdf/jcm00123-0256.pdf>
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. PMID 3924951; PMC271812
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