

CURRICULUM VITAE

Charles Fordham von Reyn

PERSONAL DATA

Address: 496 Turnpike Road, Fairlee, VT 05045
Place of birth: Montour Falls, New York
Children: Leah Edana (von Reyn) Cream
born November 22, 1974
Adam Daniel Goldberger von Reyn
born December 22, 1976
Charles Alexander Goldberger von Reyn
born September 9, 1989

EDUCATION

1967 A.B. Dartmouth College, Hanover, NH
1969 B.M.S. Dartmouth Medical School, Hanover, NH
1971 M.D.,cum laude Harvard Medical School, Boston, MA

POST DOCTORAL TRAINING

Internship and Residency

1971-1972 Intern in Medicine, Beth Israel Hospital, Boston, Massachusetts
1972-1973 Junior Resident in Medicine, Beth Israel Hospital, Boston, Massachusetts
1975-1976 Senior Assistant Resident in Medicine, Beth Israel Hospital, Boston,
Massachusetts

Uniformed Service

1973-1975 Medical Officer, Epidemic Intelligence Service, Centers for Disease
Control, U.S. Public Health Service, Atlanta, Georgia

Fellowship

1976-1977 Clinical Fellow in Infectious Disease, Beth Israel Hospital, Children's
Hospital Medical Center, and Dana-Farber Cancer Center, Boston,
Massachusetts
1990 Burroughs Wellcome National AIDS Fellowship, Infectious Disease
Society of America, Memorial Sloan-Kettering Hospital, New York,
(November 5-16)

MEDICAL LICENSURE

1975	Massachusetts: 38141 (lapsed)
1973	New Mexico: 73-220 (lapsed)
1977	New Hampshire: 5755
1995	Vermont: 42-0009129 (lapsed)

CERTIFICATION

1976	Diplomate, American Board of Internal Medicine
1978	Diplomate, Subspecialty of Infectious Diseases, American Board of Internal Medicine

ACADEMIC APPOINTMENTS

1973-1975	Clinical Associate in Medicine, University of New Mexico School of Medicine, Albuquerque, New Mexico
1974-1975	Clinical Associate in Family and Community Medicine, University of New Mexico School of Medicine, Albuquerque, New Mexico
1976	Instructor in Epidemiology, Tufts University School of Medicine, Boston, Massachusetts
1978-1987	Adjunct Assistant/Associate Professor of Clinical Medicine, Dartmouth Medical School, Hanover, New Hampshire
1978-	Lecturer in Microbiology, Dartmouth Medical School, Hanover, New Hampshire
1988-2003	Chief, Section of Infectious Disease, Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire
1988-1991	Associate Professor of Clinical Medicine, Dartmouth Medical School, Hanover, New Hampshire
1991-1994	Associate Professor of Medicine, Dartmouth Medical School, Hanover, New Hampshire
1994-	Professor of Medicine, Dartmouth Medical School, Hanover, New Hampshire
1998-1999	Acting Chairman, Department of Medicine, Dartmouth Medical School, Hanover, New Hampshire
2003- 2007	Chief, Section of Infectious Disease and International Health, Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire
2007-	Director, DarDar International Programs, Dartmouth Medical School

HOSPITAL APPOINTMENTS

1977-1988	Director of Microbiology and Hospital Epidemiologist, Infectious Disease Department, Concord Hospital, Concord, New Hampshire
1977-1988	Consulting Staff, Mary Hitchcock Memorial Hospital, Hanover, New Hampshire
1988- 2007	Clinical Staff, Mary Hitchcock Memorial Hospital, Hanover, New Hampshire
1988-2002	Hospital Epidemiologist, Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire

1990- 1999

Consultant Physician, Infectious Diseases, Veterans Administration
Hospital, White River Junction, Vermont

2002- 2007

Director, Infection Control, Dartmouth-Hitchcock Medical Center,
Hanover, New Hampshire

OTHER PROFESSIONAL POSITIONS

1975-1977	Assistant Physician, Harvard University Health Services, Cambridge, Massachusetts
1984-1985	President, Concord Clinic Incorporated, Concord, New Hampshire
1985-1988	Section Chief, Internal Medicine, Concord Division, Hitchcock Clinic, Concord, New Hampshire
1987	Consultant, Global Program on AIDS, World Health Organization
1988- 2007	Clinical Director, New Hampshire AIDS Education and Training Center, United States Public Health Service, Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire

AWARDS AND HONORS

1969	Dean's Special Award for Research, Dartmouth Medical School, Hanover, New Hampshire
1971	M.D. cum laude, Harvard Medical School, Boston, Massachusetts
1975	Governor's Special Award for Public Service, Santa Fe, New Mexico
1990	Alpha Omega Alpha, Dartmouth Medical School, Hanover, New Hampshire
1993	Clinical Science Teaching Award, Dartmouth Medical School, Hanover, New Hampshire
1996	Red Ribbon Award, 1996. Granite State AIDS Consortium
1997	Clinical Science Teaching Award, Dartmouth Medical School, Hanover, New Hampshire
2005	Department of Medicine Teaching Award

COMMITTEE ASSIGNMENTS AND CONSULTATIONS

International

1992	International Scientific Program Committee, VIII International Conference on AIDS, Amsterdam
2002	Reviewer, XIV International Conference on AIDS, Barcelona
2003	Reviewer, XV International Conference on AIDS, Bangkok
2006-	International Union Against Tuberculosis, Working Group on BCG Vaccine

National and Regional

1974	Chairman, New Mexico Task Force on Rabies
1981	Chairman, Subcommittee on Health Promotion and Disease Prevention, Governor's Blue Ribbon Commission on Public Health, Concord, New Hampshire
1984	U.S. Delegation, Congress of the International Physicians for the Prevention of Nuclear War, Helsinki, Finland
1985-1987	Member, New Hampshire AIDS Advisory Committee
1990- 1995	Member, Commissioner's Task Force on HIV/AIDS, Division of Public Health Services, New Hampshire

1991-1995 National Committee for Clinical and Laboratory Standards,
 Subcommittee on Antimycobacterial Susceptibility Testing
 2002- 2004 Tuberculosis Committee, Infectious Diseases Society of America

Institutional

1977-1988 Chairman, Infection Control Committee, Concord Hospital, Concord, New
 Hampshire
 1978-1980,
 1986-1988 Chairman, Quality of Care Committee, Concord Clinic, Concord, New
 Hampshire
 1988-2003 Chairman, Infections Committee, Dartmouth-Hitchcock Medical Center,
 Hanover, New Hampshire
 1988-1999 Chairman, AIDS Advisory Committee, Dartmouth-Hitchcock Medical
 Center, Hanover, New Hampshire
 1989- 2007 Co-chairman, Antibiotic Subcommittee, Pharmacy and Therapeutics
 Committee, Dartmouth-Hitchcock Medical Center, Hanover, New
 Hampshire
 1990-1998 Clinical Committee, Department of Medicine, Dartmouth-Hitchcock
 Medical Center, Hanover, New Hampshire
 1991-1993 Faculty Development Committee, Department of Medicine, Dartmouth-
 Hitchcock Medical Center, Hanover, New Hampshire
 1993-1994 Finance Committee, Hitchcock Clinic, Lebanon, NH
 1993-1994 Chairman, Housestaff Workload Committee, Department of Medicine,
 Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire
 1999-2007 Board of Governors, Dartmouth-Hitchcock Medical Center, Hanover,
 New Hampshire
 2000- 2007 Internship Selection Committee, Department of Medicine
 2005 Chairman, Hematology-Oncology Section Chief Search Committee

EDITORIAL BOARDS

1989-1994 International Advisory Board, AIDS and Society
 1993-1995 Current Issues in Public Health
 1997-2002 Journal of Infection
 2007- Section Editor, Tuberculosis and Mycobacteria
 UpToDate

JOURNAL REFEREE

New England Journal of Medicine
 Lancet
 Lancet Infectious Disease
 Clinical Infectious Diseases
 Journal of the American Medical Association
 Journal of Infectious Diseases
 American Journal of Medicine
 Journal of Acquired Immune Deficiency Syndromes
 AIDS

Annals of Internal Medicine
The International Journal of Tuberculosis and Lung Disease
American Journal of Respiratory and Critical Care Medicine
FEMS Microbiology Reviews
Emerging Infectious Diseases
BMC Infectious Diseases

PROFESSIONAL SOCIETIES

1973-1975	Conference of State and Territorial Epidemiologists
1973-1975	U.S.-Mexico Border Public Health Association
1982-1992	Physicians for Social Responsibility
1977-	American Society for Microbiology
1980-2000	Society for Hospital Epidemiology of America
1984-1994	Member, Infectious Disease Society of America
1994-	Fellow, Infectious Disease Society of America
1989-	International AIDS Society
1990-	Northern New England Infectious Disease Society
	Vice President 1990-1992
	President 1992-1994
1999-	Member, International Immunocompromised Host Society
1999-	Member, International Union Against Tuberculosis
2000-2004	Member, Global Health Council

INTERNATIONAL EXPERIENCE

1970	<i>Guatemala</i> , El Instituto de Nutricion de Centro America y Panama (INCAP), Latin American Program, Harvard School of Public Health, Harvard Medical School (October-December 1970)
1984	<i>Soviet Union</i> , (Moscow, Leningrad, Tblisi), US-Soviet Exchange, International Physicians for the Prevention of Nuclear War (June 6-18)
1987	<i>Switzerland</i> , Consultant, Global Programme on AIDS, World Health Organization, Geneva (June-September)
1987	<i>Zimbabwe</i> , World Health Organization Consultant Team for the development of a short-term plan for AIDS control in Zimbabwe (August 24-31)
1987	<i>Zaire</i> , Consultant, World Health Organization, AIDS and routine immunization (August 21-24)
1989	<i>Kenya</i> , Investigation of nontuberculous mycobacterial infections in African AIDS patients (April 5-15)
1989	<i>Finland</i> , Investigation of nontuberculous mycobacterial infections in Finnish AIDS patients
1991	<i>Kenya, Zaire, Finland</i> . Preliminary studies on the epidemiology of disseminated <i>M. avium</i> in AIDS (April 1-15)
1992	<i>Trinidad</i> . Site visit to initiate study of disseminated <i>M. avium</i> in AIDS (Feb 3-6)
1994	<i>Trinidad, Finland</i> . Site visits: international MAC study (Feb, March)

1996	<i>Finland</i> National Public Health Institute, Department of Environmental Microbiology, Kuopio (March)
1998	<i>Zambia</i> University Teaching Hospital. Collaborative studies on tuberculosis, <i>M. vaccae</i> vaccine
1999-2000	<i>Finland</i> . Visiting Scientist, Division of Vaccines, National Public Health Institute of Finland, Helsinki, Finland
2000-	<i>Tanzania</i> . Collaborative studies on disseminated tuberculosis in HIV infection

TEACHING EXPERIENCE

1974	Instructor in Epidemiology, Tufts University School of Medicine
1976-1977	Outpatient Attending, Department of Medicine, University of New Mexico School of Medicine
1978-1979	Inpatient Attending, Department of Medicine, Dartmouth Medical School
1979-1987	Infectious Disease Elective (Concord Hospital), and Physical Diagnosis (Concord Hospital), Dartmouth Medical School
1979-	Lecturer in Microbiology, Dartmouth Medical School
1988-2004	Co-Director, Infectious Disease Block, Scientific Basis of Medicine, Dartmouth Medical School
1988- 2007	Attending Physician, Infectious Disease Service, Department of Medicine, Dartmouth Medical School

RESEARCH INTERESTS

Bacteremic tuberculosis in HIV infection
 Vaccines for the prevention of tuberculosis
M. vaccae vaccine (IND # 5417)
 Epidemiology of disseminated *M. avium* in AIDS
M. avium skin testing (IND #3847)
 Infective endocarditis

COMMUNITY AND CIVIC ORGANIZATIONS

1982-1983	President, Frontiers of Knowledge Foundation, Concord, New Hampshire
1984-1985	Vice President, Concord Community Music School, Concord, New Hampshire
1986-1988	President, Concord Community Music School, Concord, New Hampshire
1986-1988	Trustee, American Red Cross, Concord, New Hampshire
1989-1998	Trustee, New Hampshire AIDS Foundation, Manchester, New Hampshire

BIBLIOGRAPHY

Original Reports

1. Spencer TA, Hall AH, von Reyn CF. Pyrolytic ring contraction of 2-Acetoxy-2-methylcyclohexane-1,3-diones. *J Org Chem* 1968;33:3369

2. Meyers RD, Adams WP, Dardick KR, Reinisch J, von Reyn CF, Renna E, McIntyre OR. The social and economic impact of hemophilia: a survey of 70 cases in Vermont and New Hampshire. *Am J Pub Health* 1972;530-535
3. Nahamias AJ, von Reyn CF, Josey WE, Naib AM, Hutton RG. Genital herpes simplex virus infection and gonorrhea: associations and analogies. *Brit J Vener Dis* 1973;49:306
4. von Reyn CF, Barnes AM, Weber NS. Bubonic plague from exposure to a rabbit: a documented case, and a review of rabbit-associated plague cases in the United States. *Am J Epidemiol* 1976;104:81-87
5. von Reyn CF, Barnes AM, Weber NS, Quan T, Dean WJ. Bubonic plague from direct exposure to a naturally infected wild coyote. *Am J Trop Med Hyg* 1976;25:626-629
6. Meningococcal Disease Surveillance Group. Meningococcal disease: secondary attack rate and chemoprophylaxis in the United States. *JAMA* 1976;235:261-265
7. Schantz PM, von Reyn CF, Schultz MG. Echinococcosis in Arizona and New Mexico. Survey of hospital records 1969-1974. *Am J Trop Med Hyg* 1976;25:312-317
8. Meningococcal Disease Surveillance Group. Analysis of endemic meningococcal disease by serogroup and evaluation of chemoprophylaxis. *J Infect Dis* 1976;134:201-204
9. Schantz PM, von Reyn CF, Welty T, Anderson F, Schultz MG, Kagan I. Epidemiologic investigation of echinococcosis in American Indians living in Arizona and New Mexico. *Am J Trop Med Hyg* 1977;26:121-126
10. von Reyn CF, Weber NS, Tempest B, Barnes AM, Poland JD, Boyce JD, Zalma V. Epidemiologic and clinical features of an outbreak of bubonic plague in New Mexico. *J Infect Dis* 1977;136:489-494
11. von Reyn CF, Roberts TM, Owen R, Beaver P. Infection of an infant with an adult *Toxocara cati* (nematoda). *J Peds* 1978;93:247-249
12. von Reyn CF, Levy BL, Arbeit RD, Friedland GF, Crumpacker CS. Infective endocarditis. An analysis based on strict case definitions. *Ann Intern Med* 1981;94:505-518
13. von Reyn CF. Recurrent aseptic meningitis due to suldinac. *Ann Intern Med* 1983;99:343-344
14. Friedland G, von Reyn CF, Levy BL, Arbeit RD, Dasse P, Crumpacker C. Nosocomial endocarditis. *Infect Control* 1984;5:284-288
15. von Reyn CF, Clements J, Mann JM. HIV infection and routine childhood immunization. *Lancet* 1987;2:669-672
16. von Reyn CF, Mann JM. Global epidemiology, In *AIDS: A Global Perspective* (special issue). *West J Med* 1987 Dec;147:694-700
17. Clements J, von Reyn CF, Mann JM. HIV infection and routine childhood immunization - a review. *Bulletin of the World Health Organization* 1987;65(6):905-911

18. von Reyn CF, Chin J, Mann JM. International travel and HIV infection. *Bulletin of the World Health Organization* 1990;68:251-259
19. Wilson ME, von Reyn CF, Fineberg HV. Infections in HIV-infected travelers: risks and prevention. *Ann Int Med* 1991;114:582-592
20. von Reyn CF, Niemczyk S, Jacobs N. Effect of delays in processing on the survival of *M. avium* in the Isolator blood culture system. *J Clin Micro* 1991;29:1211-1214.
21. Jonsson E, Coombs DW, Hunstad D, Richardson JR, von Reyn CF, Saunders RL, Heaney JA. Continuous infusion of intrathecal morphine to control bladder pain in a patient with AIDS. *J Urol* 1992;147:687-689.
22. Duncan RA, von Reyn CF, Alliegro GM, Toossi Z, Sugar AM, Levitz SM. Idiopathic CD4+ T-lymphocytopenia - four patients with opportunistic infections and no evidence of HIV infection *N Engl J Med* 1993;328:393-398
23. Dennis DT, Smith RA, Welch JJ, Chute CG, Anderson B, Herndon JL, von Reyn CF. Endemic giardiasis in New Hampshire: a case control study of environmental risks. *J Infect Dis* 1993; 167: 1391-5
24. Arbeit RD, Slutsky A, Barber TW, Maslow JN, Niemczyk S, Falkinham JO, O'Connor GT, von Reyn CF. Genetic diversity among strains of *Mycobacterium avium* causing monoclonal and polyclonal bacteremia in patients with the acquired immunodeficiency syndrome. *J Infect Dis* 1993; 167: 1384-90
25. Kristjansson M, Green P, Manning H, Slutsky A, Brecher S, von Reyn CF, Arbeit RD, Maslow JN. Molecular confirmation of Bacillus Calmette-Guerin (BCG) as the cause of pulmonary infection following urinary tract installation. *Clin Inf Dis* 1993; 17: 228-230
26. von Reyn CF, Gilbert TT, Shaw FE, Parsonnet KC, Abramson JE, Smith G. Absence of HIV transmission from an infected orthopedic surgeon: a 13 year look back study. *JAMA* 1993; 269: 1807-1811
27. Green PG, von Reyn CF, Smith RP. *Mycobacterium avium* complex parotid lymphadenitis: successful therapy with clarithromycin and ethambutol. *Pediatr Inf Dis J* 1993; 12:615-617
28. von Reyn CF, Barber TW, Arbeit RD, Sox CH, O'Connor GT, Brindle R, Gilks C, Hakkarainen K, Ranki A, Bartholomew C, Edwards J, Magnusson M. Evidence of previous infection with *M. avium* among healthy subjects: an international study of dominant mycobacterial skin tests. *J Infect Dis* 1993; 168: 1553-58
29. von Reyn CF, Waddell RD, Eaton T, Arbeit RD, Maslow JN, Barber TW, Brindle RJ, Gilks CF, Lumio L, Lahdevirta J, Ranki A, Dawson D, Falkinham JO. Isolation of *M. avium* complex from water in the United States, Finland, Zaire and Kenya. *J Clin Micro* 1993;31: 3227-30
30. von Reyn CF, Green PA, McCormick D, Huitt G, Marsh B, Magnusson M, Barber TW. Dual skin testing with *M. avium* sensitin and PPD: an open study in patients with *Mycobacterium avium* complex infection or tuberculosis. *Clin Infect Dis* 1994; 19: 15-20

31. von Reyn CF, Maslow JN, Barber TW, Falkinham JO, Arbeit RD. Persistent colonization of potable water with *M. avium* as a source of infection in patients with AIDS. *Lancet* 1994; 343: 1137-41
32. Slutsky AM, Arbeit RD, Barber TW, Rich J, von Reyn CF, Pieciak W, Barlow MA, Maslow JN. Polyclonal infections due to *Mycobacterium avium* complex in patients with AIDS detected by pulsed field gel electrophoresis of sequential clinical isolates. *J Clin Micro* 1994; 32: 1773-8
33. Gilks CF, Brindle R, Mwachari C, Batchelor B, Bwayo J, Kimari J, Arbeit RD, von Reyn CF. Disseminated *M. avium* infection among patients with AIDS in Kenya *J AIDS* 1995; 8:195-8
34. von Reyn CF, Jacobs NJ, Arbeit RD, Niemczyk S. Polyclonal *Mycobacterium avium* infections in patients with AIDS: variations in the antimicrobial susceptibilities of different strains of *M. avium* isolated from the same patient. *J Clin Micro* 1995; 33:1008-10
35. Williams JC, Schned AR, Richardson JR, Heaney JA, Curtis MA, Rupp IP, von Reyn CF. Fatal genitourinary mucormycosis *Clin Infect Dis* 1995; 21: 682-4
36. Eaton T, Falkinham JO, von Reyn CF. Recovery of *Mycobacterium avium* from cigarettes *J Clin Micro* 1995; 33:2757-8
37. Pinto-Powell P, Olivier KN, Marsh BJ, Donaldson S, Parker HW, Boyle W, Knowles M, Magnusson M, von Reyn CF. Skin testing with *Mycobacterium avium* sensitin to identify infection with *M. avium* complex in cystic fibrosis. *Clin Infect Dis* 1996; 22: 560-2
38. Li Z, Bai, GH, von Reyn CF, Marino P, Brennan MJ, Gine N, Morris S. Rapid detection of *Mycobacterium avium* in stool samples from AIDS patients using immunomagnetic PCR. *J Clin Micro* 1996; 34: 1903-7
39. von Reyn CF, Arbeit RD, Tosteson ANA, Ristola MA, Barber TW, Waddell R, Sox CH, Brindle RJ, Gilks CF, Ranki A, Bartholomew C, Edwards J, Falkinham JO, O'Connor GT and the International MAC Study Group. The international epidemiology of disseminated MAC in AIDS. *AIDS* 1996;10:1025-32
40. von Reyn CF, Arbeit RD, Yeaman G, Waddell RD, Marsh BJ, Morin P, Modlin JF, Remold HG. Immunization of healthy adult subjects in the United States with a three dose series of inactivated *Mycobacterium vaccae*. *Clin Infect Dis* 1997;24:843-8.
41. Lein AD, von Reyn CF. In vitro cellular and cytokine responses to mycobacterial antigens: application to the diagnosis of tuberculosis infection and to the assessment of response to mycobacterial vaccines. *Am J Med Sci* 1997; 313:364-71
42. Marsh BJ, von Reyn CF, Arbeit RD, Morin P. Immunization of HIV-infected adults with a three dose series of inactivated *Mycobacterium vaccae*. *Am J Med Sci* 1997; 313:377-83
43. Jacobs NJ, von Reyn CF, Gine N, Dawson D. Similar serovar and drug susceptibility profiles among AIDS-related *Mycobacterium avium* isolates from diverse geographic locations. *Am J Med Sci* 1997; 133:352-354

44. Marsh BJ, von Reyn CF, Edwards J, Tosteson ANA, Arbeit RD and the International MAC Study Group. The risks and benefits of childhood BCG immunization among adults with AIDS. *AIDS* 1997;11:669-72.
45. von Reyn CF, Williams DE, Horsburgh CR, Jaeger AS, Marsh BJ, Haslov K, Magnusson M. Dual skin testing with *Mycobacterium avium* sensitin and purified protein derivative to discriminate pulmonary disease due to *M. avium* complex from pulmonary disease due to *Mycobacterium tuberculosis*. *J Infect Dis* 1998; 177: 730-6
46. Chang HJ, Miller HL, Watkins N, Arduino MJ, Ashford D, Midgely G, Agüero SM, Pinto-Powell R, von Reyn CF, Edwards W, Pruitt R, McNeil MM, Jarvis WR. Epidemic nosocomial *Malassezia pachydermatis* in intensive care nursery patients traced to health care worker pet dogs *N Engl J Med* 1998; 338: 706-11
47. von Reyn CF, Marsh BJ, Waddell RD, Lein AD, Tvaroha S, Morin P, Modlin JF. Cellular immune responses to mycobacteria in healthy and human immunodeficiency virus positive subjects in the United States after a five dose schedule of *Mycobacterium vaccae* vaccine. *Clin Infect Dis* 1998; 27: 1517-20
48. Waddell R, von Reyn CF, Baboo KS, Mwinga A, Chintu C, Zumla A. The effects of BCG immunization and HIV infection on dual skin test reactions to purified protein derivative and *Mycobacterium avium* sensitin among adults in Zambia. *Int J Tuberculosis Lung Dis*; 1999; 3: 255-60
49. Iivanainen E, Northrup J, Arbeit RD, Ristola M, Katila ML, von Reyn CF. Isolation of mycobacteria from indoor swimming pools in Finland. *Acta Pathologica Microbiologica et Immunologica Scandinavica* 1999; 107: 193-200
50. Ravn P, Demissie A, Eguale T, Lein D, Amody HA, Mustafa AS, Jensen A, Holm A, Rosenkrands I, Oftung F, Olobo J, von Reyn CF, Andersen P. Human T cell responses to the ESAT-6 antigen from *M. tuberculosis*. *J Infect Dis* 1999; 179: 637-45
51. Ristola M, von Reyn CF, Arbeit RD, Soini H, Lumio J, Ranki A, Buhler S, Waddell R, Tosteson ANA, Falkinham J, Sox CH. High rates of disseminated infection due to non-tuberculous mycobacteria among AIDS patients in Finland. *J Infection* 1999; 39: 61-7
52. Johnson D, Waddell RD, Pelton SI, Jaeger AS, Modlin JF, Yogev R, Morin P, Arbeit RD, von Reyn CF. Randomized trial of intradermal *Mycobacterium vaccae* or intradermal hepatitis B immunization in children with HIV infection *Vaccine* 1999; 17: 2583-2587
53. Lein AD, von Reyn CF, Ravn P, Horsburgh CR, Alexander LN, Andersen P. Cellular immune responses to ESAT-6 discriminates between patients with pulmonary disease due to *Mycobacterium avium* complex and *Mycobacterium tuberculosis* *Clin Diag Lab Immun* 1999;6: 606-9
54. Waddell RD, Chintu C, Lein AD, Zumla A, Karagas MR, Baboo KS, Habbema JD, Tosteson ANA, Morin P, Tvaroha S, Arbeit R, Mwinga A, von Reyn CF. Safety and immunogenicity of a five-dose series of inactivated *Mycobacterium vaccae* vaccine for the prevention of HIV associated tuberculosis. *Clin Infect Dis* 2000;30 (Suppl 3): S309-15

55. Vankayalapati R, Wizel B, Samten B, Griffith DE, Shams H, Galland MR, von Reyn CF, Girard W, Wallace RW, Barnes PF. Cytokine profiles in immunocompetent persons infected with *Mycobacterium avium* complex J Infect Dis 2001; 183: 478-84
56. Waddell RD, Lishimpi K, von Reyn CF, Chintu C, Baboo KS, Kreiswirth B, Talbot E, Karagas MR, and the Dartmouth/UCLMS/UNZA Collaborative Study Group. Bacteremia due to *Mycobacterium tuberculosis*, or *Mycobacterium bovis*, Bacille Calmette-Guérin (BCG) among HIV positive children and adults in Zambia. AIDS 2001; 15: 55-60
57. Andrews MM, von Reyn CF. Patient selection criteria and management guidelines for outpatient parenteral antibiotic therapy of native valve infective endocarditis. Clin Infect Dis 2001;33: 203-9
58. Phillips MS, von Reyn CF. Nosocomial infections due to non-tuberculous mycobacteria Clin Infect Dis 2001; 33: 1363-74
59. von Reyn CF, Williams P, Lederman H, McCutchan JA, Koletar SL, Murphy RL, Cohn SE, Evans T, Heald AE, Colquhoun D, Bassily EL, Currier JS. Skin test reactivity and cellular immune responses to *Mycobacterium avium* sensitin in AIDS patients at risk for *M. avium* infection. Clin Diag Lab Immun 2001; 8: 1277-8
60. von Reyn CF, Horsburgh CR, Olivier KN, Barnes PF, Waddell R, Warren C, Tvaroha S, Jaeger AS, Lein AD, Alexander R, Weber DJ, Tosteson AN. Skin test reactions to *Mycobacterium tuberculosis* purified protein derivative and *Mycobacterium avium* sensitin among health care workers and medical students in the United States. Int J Tuberc Lung Dis 2001; 5: 1122-1128
61. von Reyn CF, Arbeit RD, Horsburgh CR, Ristola MA, Waddell RD, Tvaroha SM, Samore M, Hirschhorn LR, Lumio J, Lein AD, Grove MR, Tosteson ANA. Sources of *Mycobacterium avium* infection in AIDS. J Infection 2002; 44: 166-70
62. Smole SC, McAleese F, Ngampasutadol J, von Reyn CF, Arbeit RD. Clinical and epidemiological correlates of genotypes with the *Mycobacterium avium* complex (MAC) defined by restriction and sequence analysis of *hsp65*. J Clin Micro 2002; 40: 3374-3380
63. Hersh AL, Tala-Heikkilä M, Tala E, Tosteson ANA, von Reyn CF. A cost efficacy analysis of universal versus selective immunization with BCG in Finland. Int J Tuberc Lung Dis 2002; 7: 22-29
64. von Reyn CF, Vuola J. New vaccines against tuberculosis. Clin Infect Dis 2002; 35: 465-74
65. Hersh AL, Tosteson A, von Reyn CF. Dual skin testing with purified protein derivative and *Mycobacterium avium* sensitin to improve specificity and decrease costs in screening health care workers for tuberculosis. Am J Prev Med 2003; 23: 254-259
66. Fisk TL, Hon H, Lennox JL, von Reyn CF, Horsburgh CR. Detection of latent tuberculosis infection among HIV-infected persons after initiation of highly active antiretroviral therapy (HAART) AIDS 2003; 17: 1102-1104
67. Lewis FM, Marsh BJ, von Reyn CF. Fish tank exposure and cutaneous infections due to *Mycobacterium marinum*: tuberculin skin testing, treatment and prevention. Clin Infect Dis 2003; 37: 390-7

68. Marsh BJ, San Vicente J, von Reyn CF. Utility of dual skin tests to evaluate 10-14 mm tuberculin skin test reactions in health care workers. *Infect Control Hosp Epidemiol* 2003; 24: 821-4
69. Stratford D, Chamblee S, Ellerbrock TV, Abbott D, von Reyn CF, Horsburgh CR. Evolution of a participatory research strategy for a rural health survey. *J Gen Int Med* 2003; 18: 586-8
70. Vuola JM, Ristola MA, Cole B, Tvaroha S, Rönkkö T, von Reyn CF. Immunogenicity of an inactivated mycobacterial vaccine for the prevention of HIV-associated tuberculosis: a randomized, controlled trial *AIDS* 2003; 17: 2351-2355
71. Ellerbrock TV, Chamblee S, Bush TJ, Johnson JW, Marsh BJ, Lowell P, Trenchel RJ, von Reyn CF, Johnson LF, Horsburgh CR. HIV infection in a rural community in the United States. *Am J Epidemiol* 2004;160(6):582-8.
72. Ristola MA, Vuola JM, Valle M, von Reyn CF. Antibody responses to intradermal recombinant hepatitis B immunization among HIV-positive subjects. *Vaccine* 2004; 23: 205-9
73. Mtei L, Matee M, Herfort O, Bakari M, Horsburgh, Waddell R, Cole B, Tvaroha S, Pallangyo K, von Reyn CF. High rates of clinical and subclinical tuberculosis among ambulatory HIV-positive subjects in Tanzania. *Clin Infect Dis* 2005: 50:1500-1507
74. Gifford AH, Lahey T, von Reyn CF. Fatal hemoptysis from invasive *Aspergillus niger* in a patient with cavitary lung disease from *Mycobacterium avium* complex Infection. *Medical Mycology*. 2006; 44(6): 557-560
75. Reed C, von Reyn CF, Chamblee S, Ellerbrock T, Johnson JW, Marsh BJ, Johnson LS, Trenchel RJ, Horsburgh CR. Environmental risk factors for infection with *Mycobacterium avium* complex. *Am J Epidemiol* 2006; 164: 32-40
76. Waddell RD, Magesa PM, Pallangyo KJ, Matee M, Bakari M, von Reyn CF, Ziermann. Coinfection with HIV and HCV in a blood bank population in Dar es Salaam, Tanzania. *J Clin Virology* 2006; 36:237-238
77. Matee, M, Lahey T, Vuola J, Mtei L, Cole B, Bakari M, Arbeit RD, Horsburgh CR, Pallangyo K, von Reyn CF. Baseline mycobacterial immune responses in HIV-infected adults primed with BCG in childhood and entering a tuberculosis booster vaccine trial. *J Infect Dis* 2007; 195:118-123
78. Lahey T, Lin M, Marsh B, Curtin J, Eccles B, von Reyn CF. Increased mortality in rural AIDS patients in New England. *J Acquir Defic Immune Syndr* 2007; 23: 693-8
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NIH Funding History (as PI; all RO1 awards)

Risk Factors for MAC in AIDS (3 yrs)

International Epi of MAC in AIDS (3 yrs)

Disseminated Tuberculosis in HIV Infection (7 years; 2001-2008)

Dartmouth-Boston University AIDS International Training and Research Program (10 years; 2003-2008, 2008- 2013)

Effects of Protcin Calorie Supplementation on HIV-infected women who are breastfeeding or have active tuberculosis (5 years; 2009-2014)

