## MAX SALFINGER, MD, FAAM, FIDSA

Born: In Liestal (Kanton Basel-Landschaft, Switzerland)

U.S. Citizen (naturalized)

Address: National Jewish Health, Mycobacteriology, Rm K420

1400 Jackson Street, Denver, Colorado 80206

Telephone: [Voice Mail, Laboratory] (303) 398-1339

[Voice Mail, Office] (303) 398-1384 [Fax, Laboratory] (303) 398-1953

E-Mail Address: [Work] salfingerm@njhealth.org

Home Pages: [National Jewish Health] <u>www.NJHealth.org</u>

[Advanced Diagnostic Labs] www.NJLabs.org

Education: Elementary School, Lausen & Liestal, 1956 - 1966

Secondary School, Liestal, 1966 - 1970

University of Basel School of Medicine, 1970 - 1977 Swiss Medical State Board, December 2, 1977 M.D., University of Basel, March 25, 1981

Sabbatical: 7/86 - 6/87, National Jewish Center for Immunology and Respiratory Medicine,

Denver, Colorado Mycobacteriology Unit

7/87 - 4/88, University of Colorado Health Sciences Center, Denver, Colorado

Webb-Waring Lung Institute, Immunology

and

University Hospital, Clinical Microbiology Laboratory

Certification: Physician [Switzerland]

FAMH [Switzerland], Medical Microbiology

Laboratory Director License [New York State], Mycobacteriology: 08-23-2013

Professional Career: October 2012 - present

Director, Mycobacteriology Laboratory National Jewish Health, Denver, CO

December 2006 – September 2012

Chief, Bureau of Laboratories

Florida Department of Health, Tallahassee, FL

February 2011 – September 2012

Acting Chief, Bureau of Tuberculosis & Refugee Health

Florida Department of Health, Tallahassee, FL

September 1992 – November 2006 New York State Department of Health WADSWORTH CENTER, Albany, NY

Director, Clinical Mycobacteriology Laboratory (Division of Infectious Disease), &

Section Head, Mycobacteriology (Clinical Laboratory Evaluation Program)

July 2001 - November 2006

New York State Department of Health

Fogarty International Training and Research Program

TB Coordinator, Fogarty Grant Administration

April 1998 - April 1999

New York State Department of Health WADSWORTH CENTER, Albany, NY

Director, Division of Laboratory Quality Certification

April 1981 - August 1992

University of Zürich, Zürich, Switzerland Department of Medical Microbiology Head, Tuberculosis Laboratory

Additional appointment as Head of the Swiss National Center for Mycobacteria

(January 1992)

January 1978 - March 1981

University Hospital Basel, Basel, Switzerland

Fellow, Microbiology Laboratory

Academic Career:

College of Public Health, University of South Florida, Tampa, FL Affiliate Professor, Department of Global Health, 2007 – present

College of Medicine, University of Florida, Gainesville, FL

Adjunct Prof., Div. of Pulmonary, Critical Care & Sleep Medicine, 2008 - 2011

School of Public Health, University at Albany, Albany, NY Adjunct Professor of Biomedical Sciences, 2006 - 2009

Professor of Biomedical Sciences, 2000 – 2006

Albany Medical College, Albany, NY

Adjunct Professor of Medicine, 2003 - 2007

Adjunct Associate Professor of Medicine, 1996 – 2002

University of Zürich, Zürich, Department of Medical Microbiology

Teaching Fellow, 1984-1992

Thesis Advisor: [Chair of Committee]

**Alexander Nydegger**, M.D. [1998] University of Zurich

Oxygen requirement of mycobacteria using a semi-solid medium (Lebek)

Hans-Jakob Nüesch, M.D. [1996] University of Zurich

Tuberculous meningitis in Switzerland - 1981-1990

**Christoph Zwisler**, M.D. [1995] University of Zurich

Pyrazinamide susceptibility testing of Mycobacterium tuberculosis complex

**Thomas Gusset**, D.D. [1995] University of Zurich Evidence of resistance of Mycobacterium tuberculosis in Switzerland

Marianne Debrunner, M.D. [1992] University of Zurich

Epidemiology and clinical significance of nontuberculous mycobacteria in patients

negative for human immunodeficiency virus in Switzerland Esther Koch, M.D. [1984] University of Zurich

Susceptibility testing of nontuberculous mycobacteria with a radiometric method

SPH Interns:

Stephen J. Forbes, MS Student, School of Public Health, Albany, NY

Fall 2004

Lisa Mirabello, PhD Student, School of Public Health, Albany, NY

Fall 2003

Gylynthia E. Trotman, MPH Student, School of Public Health, Albany, NY

Winter – Spring 2003

Perul Sharma, MPH Student, School of Public Health, Albany, NY

Summer - Fall - Winter 2001/2002

Jennifer Greggo, MPH Student, School of Public Health, Albany, NY

Summer 2000

Lana Popova, MPH Student, School of Public Health, Albany, NY

Summer 2000

Tiffany Bratts, MPH Student, School of Public Health, Albany, NY

Summer 1999

### Fogarty Fellows:

Ekaterina Chernyaeva, M.S., Biomedical Center, St. Petersburg, Russian

Federation, August 2006 - February 2007

Oleg Sinyavskiy, M.D. Almaty State Institute of Advanced Training for Physicians,

Almaty, Kazakhstan, August 2002 - July 2004

Lul Raka, M.D., Institute of Public Health, Prishtina, Kosovo

April 2002 - July 2002

Judit Mester, M.D., Koranyi National Institute of Tuberculosis and Pulmonology,

Budapest, Hungary, April 1, 2001 - March 31, 2002

Akos Somoskovi, M.D., Ph.D., Semmelweis University School of Medicine.

Budapest, Hungary, August 1999 - August 2001

## Visiting Scientists:

**Hulya Simsek, Ph.D.,** National Tuberculosis Reference and Research Laboratory at the Refik Saydam National Public Health Agency in Ankara, Turkey, October to December 2010

Gulzhan Shopayeva, M.D., Ph.D., Kazakh National Medical University, Almaty,

Kazakhstan, October/November 2006

Dimitra Mitsani, M.D., Albany Medical Center, Albany, December 2005 – May

2006

**Michel K. Kayomo, M.D., M.Sc.**, University of Kinshasa Teaching Hospital, Kinshasa, D.R. Congo. International EID Fellow, CDC/APHL, January 2005 – January 2006

Suheyla Surucuoglu, M.D., Celal Bayar University, Medical School, Manisa,

Turkey, June 2004 – August 2004

Ahmet Sanic, M.D., Ondokuz Mayis University, Medical School, Samsun, Turkey

November 2000 - March 2001

Qun-feng Song, M.D., Guizhou Provincial Health Bureau, Guiyang, Guizhou,

P. R. China, June 2000 - May 2001

# Membership (active):

Swiss Academy of Sciences, Chapter Baselland (1972 - )

Swiss Medical Association (FMH) (1977-) American Society for Microbiology (1980-)

International Union Against Tuberculosis and Lung Disease (1983-)

Swiss Society for Pneumology (1984- ) American Thoracic Society (1987- )

National Tuberculosis Controllers Association (1997-)

Infectious Disease Society of America (1997- )
Association of Public Health Laboratories (1999 - )

Florida Public Health Association (2000 - )

Stop TB USA, formerly known as National Coalition for Elimination of TB (2003 - )

Florida Medical Association (2010 - )

#### Working Groups:

German Working Group on Mycobacteria (1981-1992)

European Group of Mycobacteriologists (1982-1992)

International Working Group on Mycobacterial Taxonomy (1983-1998) Swiss Working Group on Epidemiology of Tuberculosis (1984-1992)

International Union Against Tuberculosis and Lung Disease

Scientific Committee on Bacteriology, Member (1991-1995) Workgroup Health Sector Reform, Member (1998 - 2002)

World Health Organization, Global Tuberculosis Program

Stop TB Working Group on DOTS-Plus for MDR-TB, Member (1999 - 2007)

Drug Susceptibility Testing Subgroup, Co-Chair (1999 - 2002)

Scientific Panel, Member (1999 - 2007)

National TB Controllers Association

'IOM Report' working group, Member (2000 - 2001)

Special Review Committees: Florida Department of Corrections, 2012

National Health Laboratory Services-MRC, 2010

CDC Div of TB Elimination, Mycobacteriology Laboratory Branch,

External Program Review, 2009 Bill & Melinda Gates Foundation, 2007

WHO RFA-FIND/TDR-2003-01 and -02, August 1, 2003

HHS Biotechnology Engagement Program (BTEP), May 29, 2003

WHO RFA/TDR-2002, September 1, 2002

NIH Comprehensive International Program of Research on AIDS, June 7/21, 2002 NIH Drug Development for Opportunistic Infections – M. avium Complex, 02-25-02

NIH Bethesda, MD, April 6, 2001 NIH Bethesda, MD, June 29-30, 1994 NIH Bethesda, MD, November 17-19, 1993

# Special Workshops:

TB Research Forum Meeting: Drug Susceptibility Testing Diagnostics, NIH-DAIDS October 1/2, 2012, Arlington, VA

Issues in the Design of Clinical Trials for Antibacterial Drugs for the Treatment of Non-CF Bronchiectasis Workshop, FDA

September 7, 2012, Silver Spring, MD

Demystifying Pyrazinamide - Challenges & Opportunities Meeting, NIAID/NIH September 5/6, 2012, Baltimore, MD

Tuberculosis Hands-on Workshop

May 27, 2004, St. Petersburg, Russia

Kosovo Smear Microscopy Proficiency Testing Event

August 13, 2003, Institute of Public Health, Prishtina, Kosovo

Kosovo Smear Microscopy Proficiency Testing Event

December 4, 2002, Institute of Public Health, Prishtina, Kosovo

Kosovo Smear Microscopy Proficiency Testing Event

January, 26, 2002, Institute of Public Health, Prishtina, Kosovo

Kosovo Smear Microscopy Proficiency Testing Event

August 25, 2001, Institute of Public Health, Prishtina, Kosovo

Tuberculosis Hands-on Workshop, Chair

May 28 – June 1, 2001, St. Petersburg, Russia

Hands-on TB Laboratory Training at Mother Teresa Lung Hospital, Peja, Kosovo November 27 – December 1, 2000

Hands-on TB Laboratory Training at Institute of Public Health, Prishtina, Kosovo December 4 - 7, 2000

First Balkan Cooperation Meeting for NTP Managers and Head of Bacteriology Laboratories

July 12 - 14, 2000, Bucharest, Romania

Tuberculosis Workshop, Co-chair

8<sup>th</sup> International Conference "AIDS, Cancer and Related Problems" May 19, 2000, St. Petersburg, Russia

Salzburg Cornell Seminar

Tuberculosis in Eastern Europe (January 16-20, 1999)

NIH Fogarty AIDS Training

Tuberculosis Workshops in Warsaw, Prague, & Budapest (June 2-5, 1998)

Tuberculosis Susceptibility Testing Member, Steering Committee

September 4-5, 1997, American Thoracic Society

Rapid diagnostic tests for tuberculosis. What is the appropriate use?

February 8-11, 1996, American Thoracic Society, San Diego, CA

Tuberculosis in children.

August 1-3, 1994, CDC, Atlanta, GA

Journal of Clinical Microbiology (1994-1999) Editorial Board:

Medical Microbiology Letters (1992-1996)

Guest Reviewer: American Journal of Infection Control

American Journal of Respiratory and Critical Care Medicine

American Journal of Tropical Medicine and Hygiene

Antimicrobial Agents and Chemotherapy BioMed Central Infectious Diseases Canadian Journal of Microbiology Clinical Microbiology Reviews Clinical Infectious Disease **Emerging Infectious Diseases** 

European Journal of Clinical Microbiology and Infectious Diseases

Indian Journal of Medical Research Journal of Antimicrobial Chemotherapy Journal of the American Medical Association

Journal of Clinical Microbiology Journal of Medical Microbiology Memorias Instituto Oswaldo Cruz **PLoS Neglected Tropical Diseases** 

PLoS ONE

Respiratory Medicine

Scandinavian Journal of Infectious Diseases

Swiss Medical Weekly

The International Journal of Tuberculosis and Lung Disease

The Journal of Infectious Diseases

The Lancet

Tropical Medicine & International Health

**Tuberculosis** 

## Organization of Workshops / Symposia:

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	2010	May	APHL/CDC	Newborn Screening & Genetic Testing Symposium
				Orlando, FL
	2008	August	APHL/CDC	5 <sup>th</sup> National Conference on Laboratory Aspects of TB
				San Diego, CA
	2006	June	NLTN / NYSDOH	New York City, NY
		June	NLTN / NYSDOH	Brookville, NY
	2004	June	Moscow, RUS	Postgraduate course, Congress of IUATLD, Eur. Region
	2002	December	Pristina, Kosovo	TB symposium
		May	St. Petersburg, RUS	
		May		Providing meaningful mycobacteriology laboratory services
	2001	May	St. Petersburg, RUS	TB symposium
	2000	May	St. Petersburg, RUS	TB Roundtable
	1999	March		Outreach seminars in Albany, Rochester, & New York City
	1998	December		Laboratory conference on HIV and new statewide initiatives
		October	NLTN	Manchester, NH
		May	NLTN / NYSDOH	Brooklyn, NYC
		March	NLTN	Lionville, PA
		March	NLTN	Washington, D.C.
	1997	May		AIDS UPDATE
		May	ASM '97 (Div U)	How far should we go with mycobacterial identification?
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CURRICULUM VITAE MAX SALFINGER						
199	April April 96 May May May May		NLTN / NYSDOH NLTN / NYSDOH NLTN / NYSDOH NLTN / NYSDOH ASM '96 (Div U)	Buffalo, NY Bronx, NYC Long Island, NY Manhattan, NYC Inside and outside the mycobacteriology laboratory: present and future options and responsibilities The Morris A. Gordon Symposium		
199	94 Nover		NLTN / NYSDOH	Rochester, NY		
199	Nover 92 May	nber	NLTN / NYSDOH Zürich, Switzerland	Albany, NY Tuberculosis Symposium		
Prizes / Awards / Honors:			FL-DOH received ASTHO Vision Award - Achieving Excellence In Public Health Through Innovation — for the <i>Multidrug-resistant Tuberculosis Screening Program</i> , Association of State and Territorial Health Officials, 2012 Fellow, Infectious Diseases Society of America, 2012 Gardner Middlebrook Award, Becton Dickinson, 2005 Honorary Professor, Kazakh National Medical University, Ministry of Health of the Republic of Kazakhstan, Almaty, Kazakhstan, 2003 Fellow, American Academy of Microbiology, 2002 NYS-DOH received ASTHO Vision Award - Achieving Excellence In Public Health Through Innovation — for the development of the <i>Fast Track for Tuberculosis Testing Program</i> , Association of State and Territorial Health Officials, 1996 Commissioner's Recognition Award, New York State Department of Health, 1996 Keynote address at the Student Poster Awards Day, School of Public Health, University at Albany, Albany, NY, 1996 Prize of the Swiss Society for Internal Medicine, 1984 European Philips Contest for Young Scientists and Inventors, 1970 Swiss Youth Research Prize, 1970			
Media:		2011 2009 2008	National Public Radio Zaman Newspaper in Xazar TV Channel in National Public Radio	o Florida – March 24 World TB Day o Florida – March 24 World TB Day o Baku, Azerbaijan - October 3 Baku, Azerbaijan - September 30 o Florida – March 24 World TB Day o Health Laboratories - APHL		
2007			o Florida – March 24 World TB Day			
Trainees / Stagiaires: [At least one week] 2012 2010		Kusum Sharma, MD Post Graduat	nt, Hacettepe University School of Medicine, Ankara, Turkey. and Assistant Professor, Department of Medical Microbiology, e Institute of Medical Education and Research in Chandigarh, garty Fellow (AITRP - NYU).			
		2007 2006	Mindy McBride, Fello Zinaida Zagdyn, MD, (Fogarty Fello	wship in Emerging Infectious Diseases (APHL/CDC) TB Research Institute, St. Petersburg, Russian Federation bw) Seth G.S. Medical College & K.E.M. Hospital, Mumbai, India		
				MS, AERAS Global TB Vaccine Foundation / CDC,		
		2005	Aysel Gumusboga, N Atlanta, GA	MS, AERAS Global TB Vaccine Foundation / CDC,		

Marcin Wasowicz, Student, Warsaw University, Department of Biology, Warsaw, Poland (Fogarty Fellow)
Kirill Vladimirov, M.D., F.I. Haas' Hospital for Prisoners, Lung TB Surgery Unit, St. Petersburg, Russian Federation (Fogarty Fellow)

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Other Activities:

Sunil Sethi, MD, Postgraduate Institute of Medical Education & Research, Dept of Medical Microbiology, Chandigarh, India (Fogarty Fellow) Valerie Polletta, Fellowship Program in Emerging Infectious Diseases (NYS) 2004 2003 Alison Kennicutt, Student, Bethlehem High School, Delmar, NY Susan A. Kayes, Manager, Mycobacteriology Laboratory, Joint Clinical Research Centre, Case Western Reserve University, Kampala, Uganda Lindsay Ruslander, Student, Bethlehem High School, Delmar, NY Meera Sharma, Dr., Postgraduate Institute of Medical Education & Research, Dept of Medical Microbiology, Chandigarh, India (Fogarty Fellow) Jessica Thomas, Fellowship Program in Emerging Infectious Diseases (NYS) 2002 Jason Biegel, Junior at Binghamton University, Binghamton, NY 2001 Shanna O'Brien, Student, Union College, Albany, NY Abdullah Al-Hokail, M.D., King Faisal Špecialist Hospital and Research Center. 1999 Riyadh, Kingdom of Saudi Arabia Melissa Joslin, Biology Teacher, Averill Park High School, Averill Park, NY Melanie Foster, Student, Averill Park High School, Averill Park, NY Ulrike Laudon, M.D., Albany Medical College, Albany, NY Molly Kelly, Fellowship Program in Emerging Infectious Diseases (APHL) Natalia Zalewska-Schonthaler, Dr., Warsaw, Poland (Fogarty Fellow) 1998 Cynthia Carlyn, M.D., Fellowship in Emerging Infectious Diseases (APHL) Vasanthakumar Ramachandra, Ph.D., Institute of Thoracic Medicine, Tamilnadu 1997 (Madras), India Gautam Sengupta, M.D., All India Institute of Hygiene & Public Health, Calcutta Ashok Rattan, M.D., New Delhi, India M. Jayasheela, M.D., BCG Vaccine Laboratory, Guindy (Madras), India Sudhir Kumar Sinha, Ph.D., Central Drug Res. Institute, Lucknow (Uttar Pradesh), India N.B. Singh, Ph.D., Central Drug Res. Institute, Lucknow (Uttar Pradesh), India Gopal Gupta, Ph.D., Central Drug Res. Institute, Lucknow (Uttar Pradesh), India Surender K. Sharma, M.D., All India Institute of Medical Science, New Delhi, India Renubala Mohanty, Anti-Tuberculosis Center, Orissa, India Mridula Bose, M.D., V.P. Chest Clinic, University of Delhi, Delhi, India 1996 Rita Cross, Ph.D., State Tuberculosis Center, Trivandrum (Kerala), India Daniel Herbert, Ph.D., Tuberculosis Research Center, Madras, India M. M. Chauhan, M. Sc., National Tuberculosis Institute, Bangalore, India Vithal P. Myneedu, M.D., L. R. S. Institute of Tuberculosis and Allied Diseases, New Delhi, India Charise Tanner, Florida State Laboratory, Jacksonville, FL Lael Conway, M.D., Albany Medical Center, Albany, NY Yvonne M. Hale, M.S., Florida State Laboratory, Jacksonville, FL 1995 Gyeong Hee Kim, Seoul, South Korea 1994 Norrine Thompson, Albany Medical Center, Albany, NY Florida Department of Health Florida Tuberculosis System of Care (2012) Performance Management Advisory Council Member (2011 - 2012) A.G. Holley State TB Hospital Report (HB5311, chapter 26), DOH Work Group Member, 2010 Health Management System Executive Steering Committee, Member (2008 - 2012) A.G. Holley Hospital Governing Body, Member (2008 - 2012) Genetics and Newborn Screening Advisory Council, Member (2008 -2012) Institutional Review Board (IRB), Member/Alternate Member (2007 – 2010) DOH Organizational Strategies Workgroup, Member (2007)

Quarterly Comprehensive Clinical TB Course at A. G. Holley, Lantana, FL

Faculty (2003 - 2011)

Florida TB Control Coalition, Member (1996 - 2004)

Review of the tuberculosis laboratory services (January 1996)

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WADSWORTH CENTER

Ad hoc Committee 'Revision of Peer Review Board Guidelines', Chair (2001-2003) Clinical Laboratory Information Management System Committee,

Member (2000 - 2001)

Search Committee for Laboratory Directors [Diagnostic Immunology, Bacteriology, Mycology], Member (1993-2005)

Committee for Space Utilization at David Axelrod Institute, Member (1995-98)

Committee 'Direct Molecular Detection', CLEP, Member (1995-1998)

Peer Review Board, Member (1994-98)

New York State Department of Health

Training Advisory Group (TAG) of the SUNY Downstate AIDS International Training and Research Program (AITRP), Member (2007-)

Communicable Disease Electronic Surveillance System (CDESS), Member (2004 - 2006)

Fogarty International Training and Research Program, Senior Advisory Committee, Member (1999 - 2006)

Laboratory Reporting of Communicable Diseases, Coordinator (1999 - 2006)

Health Management Development Fellowship Program

Advisory Committee, Member (1999 - 2006)

Infection Control Advisory Committee, Member (1998-2002)

Northeast Regional Public Health Leadership Institute

Advisory Committee, Member (1996 - 2006)

School of Public Health, University at Albany

MPH Admissions Committee, Member (Sept 2000 - Aug 2002)

Centers for Disease Control and Prevention

National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention 'Prevention through health care consultation', June 20-21, 2011

Division of TB Elimination

Expert Consultation: CDC Guidelines for Treating Latent Tuberculosis Infection, April 18-19, 2011

World Health Organization, Eastern Mediterranean Region

Assessment of the TB Control Program in Afghanistan

Representing Doctors of the World in the three-member team, April 2002

World Health Organization / Special Program for Research and Training in Tropical Diseases (TDR)

TB Specimen Bank Review Committee, Member (2006 - 2011)

World Health Organization, WHO / TDR Working Group on New Drug

Susceptibility Testing Methods for *Mycobacterium tuberculosis* in Geneva Consultant, December 2000

World Health Organization, WHO Office in Moscow

Consultant, November 2000

World Health Organization, WHO Office for Humanitarian Assistance in Albania Consultant, July 2000

World Health Organization, Global Tuberculosis Program in Geneva

Task Force on Multidrug Resistant Tuberculosis (1999 - 2007)

Foundation for Innovative New Diagnostics (FIND), Geneva, Switzerland Consultant, May 2004

Consultant, March 2004

National Institute of Health, Global Health Program

Exploratory visit to Central Asia, Member AIDS/TB Team, September 2004

National Committee for Clinical Laboratory Standards (NCCLS)[now Clinical and Laboratory Standards Institute, CLSI]

Subcommittee on Antimycobacterial Susceptibility Testing,

Member (1996-99)

Subcommittee on Antimycobacterial Susceptibility Testing,

Advisor (1993-96)

American Society for Microbiology

Division U [Mycobacteriology] Chair 1996/1997

Division U [Mycobacteriology] Chair-Elect 1995/1996

Association of Public Health Laboratories

TB Steering Committee, Chair (2008 - 2010)

Leadership Committee, Member (1999 - 2004)

Annual Meeting Planning Committee, Member (2004)

Core Functions – Writing Committee, Member (2007 - 2008)

American Thoracic Society

Assembly on Microbiology, Tuberculosis, and Pulmonary Infections (MTPI)

Program Committee, Member (2011 - 2013)

Planning Committee, Member (2009 – 2010, 2011 - 2013)

Nominating Committee, Member (2008 -2009)

Florida Public Health Association, Board Member

Awards and Scholarship Committee, Chair (2007 - 2011)

State of North Carolina Department of Environment, Health and Natural Resources Review of the tuberculosis laboratory services (February 1997)

Public Health Research Institute, New York

PHRI/Soros Russian Infectious Disease Program

International Advisory Committee, Member (1998 - 2002)

Site Visit to Moscow and West Siberia, September 1998

Russian Tuberculosis Project (Team Leader, Site Visit to Moscow, July 1997)

University of Miami, School of Medicine, Miami Fogarty International Training Program Consultant in Lima, Peru (February 2005)

Doctors of the World USA, New York City

Consultant in Kosovo (August 2003)

Consultant in Kosovo (December 2002)

Consultant in Republic of Georgia (July 2002)

Consultant in Afghanistan (April 2002)

Consultant in Kosovo (January 2002)

Consultant in Kosovo (August 2001)

Consultant in Kosovo (November/December 2000)

Consultant in Kosovo (June 2000)

Consultant in Kosovo (February 2000)

Consultant in Kosovo (November/December 1999)

Consultant in Kosovo (September 1999)

International Union Against Tuberculosis and Lung Disease, N American Region

Program Committee, Member (2000 – 2003; 2008 - 2011)

International Medical Programs, Albany, NY

Participated in the filming and production of a video entitled "Laboratory Diagnosis of Tuberculosis" (August 2000)

Canadian Federal Government, Winnipeg, Manitoba

Review of the national tuberculosis laboratory program (September 2000)