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## EDUCATION

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- Fellowship in Infectious Diseases, University of California, San Diego, 2004
- Residency in Internal Medicine, California Pacific Medical Center, 2001
- Doctor of Medicine, New York Medical College, 1998
- Bachelor of Science in Genetics, University of California, Davis, 1993

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## LICENCES

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- American Board of Internal Medicine, Diplomate in Infectious Disease, 2004
- American Board of Internal Medicine, Diplomate #205254, 2001
- California State Medical License #A71648
- Also licensed in: AL, AZ, CO, GA, ID, IL, MI, MT, MN, NV, NH, TX, UT, WA, WI
- Telemedicine registration for FL, Temporary emergency license NJ
- United States Drug Enforcement Administration Licensed

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## AWARDS

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- First Ever Physician of the Month, Eden Medical Center January 2016
- Ortho Biotech Infectious Diseases Scholar, 2003
- California Pacific Medical Center, Resident of the Year, 2000/2001
- California Pacific Medical Center, Resident Teacher of the Year, 1999/2000

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## EXPERIENCE

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### COVID-19

- Extensive experience in treatment and management of patients suffering from COVID-19
- Extensive experience in policies, procedures and protocols relating to COVID-19 in hospitals, skilled nursing facilities, schools and businesses
- Multiple presentations on COVID-19 for hospitals, skilled nursing facilities, businesses, schools, patients and community members

### Telehealth Infectious Diseases, Antimicrobial Stewardship and Infection Prevention

- Telemedicine Consultant to rural hospitals (Feb 2017-present)
- Medical Director of Infection Control for a rural hospital (Jan 2016-present)
- Antimicrobial Stewardship consultant for a rural hospital (Feb 2017-present)
- Antimicrobial Stewardship and Infectious Control Consultant for 15 Northern California skilled nursing facilities (January 2017-present)
- **Founded Praxis Infectious Diseases and Capsid Consulting** through which the above services are being provided

### Private Practice Infectious Diseases

February 2006-January 6, 2017 (President Nov 2012-Feb 2016), transitioned to be able to focus on Infectious Diseases Telehealth and still provide in person ID coverage for Diablo Infectious Diseases.

Diablo Infectious Disease Consultative Services Medical Group, Inc.

- Inpatient Infectious Disease consultation services at seven hospitals in the East San Francisco Bay Region
- Ran a group of 8 physicians, 3 nurse practitioners and 3 office locations
- Outpatient Infectious Disease consultation
- Medical Director of Infection Control at Kindred Hospital S.F. Bay Area (November 2014-May 2016)

## Assistant Clinical Professor of Medicine, University of California, San Francisco

**July 2014-Present**

- Teaching Infectious Diseases to Internal Medicine Residents at Highland Hospital, Oakland

## Private Practice Functional Medicine

- Established Functional Medicine practice and now working with the California Center for Functional Medicine, CCFMed.com (May 2016-Present)

## Telehealth Infection Control Consultant

**August 2011-July 2014 (Volunteer)**

**Augusta Victoria Hospital, East Jerusalem**

- Provided assistance in the Development of Infection Control Practices
- Provided remote Infectious Disease Consultation

## Consultant

**October 2006-2011**

**World Health Organization**

- Technical Lead for development of the WHO doctor's training program on HIV for district level clinicians
  - Chaired 2nd development meeting October 2006
  - Provided technical assistance in development of the District Clinicians Clinical Manual
  - TB and HIV training, including curriculum development
- General Public Health Consultation

## Consultant Physician

**October 2006-July 2007**

**Bay Internal Medicine and California Pacific Medical Center, San Francisco**

- Infectious Disease consultation services and Primary Care Internal Medicine with Bay Internal Medicine in San Francisco

## Medical Officer

**August 2005-September 2006**

**World Health Organization, Geneva**

- Responsible for doctor training in HIV in low resource settings as part of the Integrated Management of Adult and Adolescent Illness (IMAI) team
  - Developed and coordinated an international group of HIV care experts, in developing a public health approach to doctor training in low resource settings
- IMAI implementation activities
  - In-country IMAI adaptation work involving partner organizations
  - In-country IMAI doctor training, including mentoring and consulting on difficult cases
  - Expert clinical review of IMAI material, WHO HIV and TB guidelines

## Clinical Advisor

**July 2004 to August 2005**

**International Center for AIDS Care and Treatment Programs (ICAP), Mailman School of Public Health, Columbia University, South Africa**

- Responsible for clinical component of ICAP South Africa HIV care and treatment program in the Eastern Cape Province:
  - Managed a team of locally hired doctors, nurses, and other health care workers in implementing HIV care and treatment programs at various sites
  - Mentored and trained physicians, pharmacists, professional nurses, and other health care workers in the management of HIV and infectious diseases
  - Initiated model care and treatment systems
  - Piloted web-based multi-national case discussion group
  - Collaborated with various international organizations in establishing and disseminating guidelines for care and treatment of HIV, STIs, and other infectious diseases
  - Consulted on difficult cases throughout the province as resident HIV and Infectious Diseases specialist

**Fellow (Infectious Disease Training Program at UCSD)**

**July 2001-July 2004**

**Division of Infectious Diseases, University of California, San Diego**

- Coinvestigator, phase I study of L87-0810, an HIV integrase inhibitor
  - Conducted trial at UCSD
  - Submitted protocol to IRB, handled legal filings
  - Communicated with sponsor
  - Recruited, screened, and evaluated patients (recruited more patients than any other site)
  - Presented at CROI 2005
- International HIV training experience
  - Designed and implemented an HIV training program for hospitals of the National Defense Forces of Ethiopia
  - Lectured and mentored physicians and other health workers in Ethiopia on HIV medicine
  - Consulted on difficult cases in HIV, TB, and other infectious diseases in Ethiopia
  - Lectured visiting developing country physicians on many aspects of HIV care
- Infection Control Program
  - Designed a model infection control program applicable in multiple developing country settings
  - Implemented program in the Hospitals of the National Defense Forces of Ethiopia
  - Assessed needs, designed program, procured items in country, and implemented a training program with the goal of self-sustainability
- Occupational Exposure Study
  - Conceived and implemented a scientific assessment of risk factors and rates of occupational exposures in Ethiopian hospitals
  - Designed survey tool to be applicable in multiple developing country settings
  - Presented at CROI 2004
- Seroprevalence study
  - Designed and conducted a study of the prevalence of HIV-co-infections in Ethiopia
  - Assed rates of Hepatitis B, Hepatitis C, Visceral Leishmania, and Syphilis
- Cryptococcal Meningitis study
  - As PI, designed protocol, for multicenter, randomized clinical trail of two oral treatment regimens for cryptococcal meningitis
  - Recruited four clinical (military and civilian) sites, and two laboratory sites in Ethiopia
  - Forged alliances among many different institutions and investigators
  - Project currently under review

**Resident in Internal Medicine**

**June 1998-July 2001**

**California Pacific Medical Center, San Francisco**

- Lectured on antiretroviral therapy
- Designed protocol for continuous renal replacement therapies
- Researched inpatient management of Diabetes Mellitus

## Board Member

July 1999-June 2001

United States Organization for Medical and Educational Needs, San Francisco

- Organized fundraising efforts
- Consulted on obtaining medical supplies and medicines and delivering them to needy areas in low resource settings

## Medical Student

August 1994-May 1998

New York Medical College, Valhalla, New York

- Volunteer, St. Patrick's Hospital, Offinso, Ashanti Region, Ghana
  - As a senior medical student delivered health care to needy, remote areas
  - Provided general medical care to in and out patients
- Community Service Volunteer, Quetzaltenango, Guatemala
  - Implemented sanitation and community well-being projects
  - Assisted an Obstetrician in providing general health care to underserved people
- Director, Adolescent Substance Abuse Program
- Treasurer, St. Luke's Medical Society

## Health Careers Educator

January-June 1994

Northern Arizona Area Health Education Center, Flagstaff, AZ

- Promoted awareness of health-related issues on Navajo and Hopi Indian Reservations
- Recruited youth in underserved areas into the health professions

## Student

September 1998-June 1993

University of California, Davis

- Major in Genetics
- Focus in International Development
- President Model United Nations
- Research Intern, Department of Microbiology
  - Characterized nuclear binding protein of Anagrapha falcifera nuclear polyhedrosis virus
  - Studied it for use in biologic control for cotton crops
- Laboratory Intern (Chemistry and Virology), California Veterinary Diagnostic Laboratory, Davis, CA
  - Researched correlation between bovine serum selenium concentrations and whole blood selenium levels
  - Performed assays to diagnose viral infections in pathologic specimens

## PUBLICATIONS

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**Asfour FR**, Waring N, Montgomery L, Link Between Patients with Likely Celiac Disease and Positive Serology for Lyme Disease. International Celiac Disease Symposium, 2019, Paper number P3-08.

Beshay S, **Asfour FR**, Ismail, Khalila. Reducing Fluoroquinolone use in the Inpatient and Emergency Department. CSHP 2018 Seminar, San Diego, 2018.

**Asfour F**, McHarry K, Zolfo M, Mack K. The Need to Implement Ongoing Competency Assessment in HIV care. 15<sup>th</sup> Ottawa Conference, Kuala Lumpur, March 2012.

**Asfour FR**, and Haubrich R. Non-Nucleoside Reverse Transcriptase Inhibitor Resistance. Chapter 12 in Reverse Transcriptase Inhibitors, 2005, Humana Press.

**Asfour FR**, Zimase N, Macharia D, Hoffman N, and Stender S. Ethical Dilemmas in Implementing an Antiretroviral Therapy Program in Rural Areas of the Eastern Cape Province, South Africa. Abstract MoPe11.1C26, 3<sup>rd</sup> IAS Conference, Rio, July 2005.

Little, S, Durasno, G., Schooley, R, Haas D, Kumar P, Hammer S, McMahon D, Squires K, **Asfour R**, Richman D, Chen J, Saah A, Leavitt R, Hazuda D, and Nguyen B. Antiretroviral Effects of L-000870810, a Novel HIV-1 Integrase Inhibitor, in HIV-1 Infected Patients, Abstract 161, 12<sup>th</sup> CROI, Boston, 2005.

**Asfour FR**, Chun HM, Bezabih, M, Belayneh F, Tetemke T, Abebe Y, Abraham Y, Matsumoto K, Haubrich R, McCutchan JA, Shaffer R, and Kifle A. A survey of Occupational Exposures in Hospitals in Ethiopia, Abstract #V-31, 11th CROI, San Francisco, 2004.

Multiple Educational and informational videos on COVID-19 for various audiences, links available upon request.

Not Retained