

MICHAEL JOHN MCCULLOUGH, M.D., M.Sc.

CONTACT INFORMATION:

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Web: <http://www.questscholars.org> (Additional background information available on staff profile)

EDUCATION:

Stanford University Emergency Medicine Residency

Medical License, State Board of California July 1997
Received most patient satisfaction letters in history of residency

University of California, San Francisco School of Medicine

M.D. Conferred: May 1996

Oxford University (Balliol College/Rhodes Scholar)

Completed core tutorials for B.A./M.A. in Philosophy, Politics, & Economics: June 1990
Received Master of Science in Diagnostic Imaging August 1991

Stanford University/Stanford Medical School

Fields of Study: Natural Sciences/Human Sciences/Politics
Bachelor of Arts with Distinction in Human Biology: 1989
Phi Beta Kappa

EMERGENCY MEDICINE EMPLOYMENT AND TRAINING:

- Hired 6/99 **Santa Clara Valley Medical Center (SCVMC):** Stanford affiliated county hospital with diverse patient population. Level I Trauma Center, seeing over 100,000 patients/year.
At SCVMC I have developed a scribe/volunteer program called SCOPE which brings talented undergraduates from Stanford into the ED to directly assist the attending physician in exchange for the chance to observe. 200+ applicants for 16 positions annually.
- Hired 4/02 **El Camino Hospital:** Private CEP run hospital serving the Los Altos Community. One of only two new partners hired in the past eight years. Filled in for ill and injured senior partners for 1.5 years. Brought SCOPE program to El Camino hospital.
- Hired 11/03 **Sequoia Hospital:** Recently hired at private CEP Hospital serving mid-peninsula community. Bringing SCOPE to Sequoia Hospital. Credentialed, oriented, and prepared to work shifts.

RESIDENCY

- 6/96-6/99 **Stanford University Hospital:** Level I trauma center. Academic center. Served as senior resident 1999. Worked well with wide range of patients, from affluent to homeless. Received more patient letters of appreciation (45) than any resident in history of residency.
- 1999 **San Francisco General Hospital (SFGH):** Level I trauma center. Worked for six weeks as senior emergency medicine resident at SFGH. Patient population similar to SCVMC.
- 6/96-6/99 **Kaiser Santa Clara:** Hi-flow, non-trauma Emergency Department in HMO setting
- 6/96-6/99 **Santa Clara Valley Medical Center (SCVMC):** See above
- 9/95, 3/96
& 9/98 **Fresno-Valley Medical Center:** Trained as medical student and as resident (in electives) at the UCSF/Fresno residency program.

LEADERSHIP EXPERIENCE:

- 2000-Present **Co-Founder/Co-President Quest Scholars Program:** Bringing SYESP (see below) now called Quest Scholars program to national scale. Successful creation of Harvard campus of Quest in 2000. Continued 100% success rate at placing low-income and at risk youth into college. 99% retention rate. Featured in *Wall Street Journal* as best program of its kind in the nation. Annually raise \$850,000 for Quest operation and help students raise several million dollars in financial aid.
- 2000-Present **SCOPE:** Developing model for effective participation of volunteer pre-med undergraduates in emergency rooms. Current campuses at: Santa Clara Valley Medical Center, Sequoia, and El Camino Hospital. Students act in a wide range of activities to enhance attending physician efficiency and patient care, from translating foreign languages, scribing histories, communicating with patient families, to retrieving lab and radiology reports, and previous records and other critical information.
- 2000-2002 **Kanti Children's Project:** Developed and institutionalized an outreach support group for the Kanti Pediatric Hospital in Nepal. Provide supplies and money for hospital and provide clinical internships for pre-meds interested in medicine. Program now effectively operated by management team.
- 9/92-1999 **Co-Founder/Director Stanford Youth Environmental Science Program:** Created new program based on SMYSP model (see below) with an emphasis on the environment. Raised \$2,300,000 for SYESP. Since 1992, supervised 230 employees and volunteers, coordinated numerous faculty, and consulted nationally for non-profit organizations.
- 3/87-8/89 **Co-Founder/Senior Director Stanford Medical Youth Science Program (SMYSP):** Created and directed program which brings low-income, gifted students to Stanford in residence for the summer. Dealt with many health care and other issues, including visits with George Shultz, Edward Teller, Don Kennedy and others. Supervised twelve full-time and twenty-five part-time employees annually. Served as principal, teacher, counselor, and mentor to the students. Successfully institutionalized SMYSP to run independently—continuous operation since 1987. Raised over \$250,000 in grant commitments and operated 15% under budget. Program successfully duplicated at multiple colleges.
- 9/83-10/84 **Member Oregon Board of Education:** Served a year term on the Oregon State Board of Education as its student member, representing 600,000 students. Helped compose *Oregon Action Plan* for excellence in education.

TEACHING EXPERIENCE:

<u>Undergraduate</u>	<u>Course</u>	<u>Position</u>
1988 & 1989	Neuro Biology 200 (lab)	Teaching Assist./Lab lecturer (Stanford Medical School) (First undergraduate to teach at Stanford Medical School)
1988	Psychopharmacology 163	Head Teaching Assistant
1989	Vert. biology 110 (lab)	Teaching Assistant/ Lab course design team member
1988 & 1989	Neuropsychology 108	Teaching Assistant/ Guest Lecturer
1987-1989	SMYSP	Head Science Instructor/ Curriculum designer
<u>Graduate</u>	<u>Course</u>	<u>Position</u>
1993-Present	SYESP/Quest	Lecturer/ Science curriculum designer
1991-Present	Pre-Med Advising	Advisor/Key Note speaker
1991-1998	SMYSP	Guest Lecturer
1991-1993	Neuro Anatomy	Tutor/ Review Section Leader
1993	Intro. Clinic. Medicine	Curriculum Review Committee

RESEARCH EXPERIENCE:

- 6/92-6/97 **Consultant Asia/Pacific Research Center:** Stanford, CA. Completing two studies with Barry Uphoff. Most recent comparing surgical decision making between England and the United States.
- 6/85-1/87 **South Africa Research:** One of three founding members and first undergraduate on Stanford's Investment Responsibility Task Force. Tracked multinational corporations regarding investment responsibility in South Africa. Co-designed database which served as the national standard with \$250,000 budget. Met with Bishop Desmond Tutu.
- 9/83-10/84 **Member Oregon Board of Education/Educational Research:** Directed two statewide research projects on student opinion supporting raised graduation requirements. Results published by Department of Education and later circulated by *Associated Press* and *UPI*.

OTHER WORK EXPERIENCE:

- 1995-1997 Editing and critiquing manuscripts for Appleton and Lange
- 1985-1989 Stand-up comedy (Former agent Jim Grimmé, Grimmé Men, Stars Talent, San Francisco)
- 1989-Present Key-note speaking
- 1984-1989 Motivational speaking to high schools/student conferences
- Early Work Experience/Youth:*
- 1977-1984 Farm and construction work
- 1980 Founded ash cleaning business after eruption of Mt. Saint Helens (and fell off many roofs)
- 1979-81 Picked strawberries and other crops

HONORS:

Academic

- Honors:** **Phi Beta Kappa**, Stanford University, 1989
Human Biology with Distinction, Stanford University, 1989
Rhodes Scholar, Balliol College, Oxford, 1988
Finalist Marshall Scholarship, Western Region, 1988
NCR Centennial Scholar, Stanford University, 1985
Medical School Honors UCSF: Medicine, Surgery, Radiology, Ward Pediatrics, Anesthesia, Otolaryngology, Ophthalmology, Orthopedics, Emergency Medicine, Family and Community Medicine, & Senior Medicine

Other

- Honors:** **Western Regional Distinguished Speakers Award**, 1991
National Distinguished Speakers Award, Presented in Los Angeles, 1993
Award for Exceptional Contributions in Teaching—Dept. of Biology, Stanford University, 1989
Exceptional Evaluations for Teaching from Students—Dept. of Neurobiology, Stanford Medical School, 1988-89
1st place open division balsa bridge building contest (1 ounce bridge held 146 pounds), 1984
Stanford University Dean's Award for Public Service, 1988
UCSF Chancellor's Award for Public Service, 1995
UCSF Burbridge Award for Public Service, 1995
Emergency Medicine Residency, Most patient letters of satisfaction to resident in history of residency, 1999

MEMBERSHIPS:

- American College of Emergency Physicians
- Wilderness Medicine Society
- American Association of Rhodes Scholars
- Phi Beta Kappa

CERTIFICATIONS:

- Private pilot's license since 1983; working toward multi-engine rating
- Training: ACLS; PALS; ATLS

DEVELOPMENT AND FUNDRAISING: 1987-2002

I began writing grants as an undergraduate for my Stanford Medical Youth Science Program and have continued to fundraise for the Stanford Youth Environmental Science Program/Quest and other outreach projects. One of my areas of concentration is effective leveraging of grants and support. Recent fundraising has been done in cooperation with Ana Mallari McCullough, Quest's co-director. I also consult, edit grant proposals, and occasionally fundraise for other non-profit organizations. In addition, I have helped my students obtain over \$10,000,000 in financial aid support.

RESEARCH/PUBLICATIONS:

Published Articles:

- Nishimura, MY; Uphoff, B; McCullough, MJ; *Hysterectomy: A Study Exploring the Hysterectomy Rate Differences Between the United States and England*; Journal of Health Care and Society; Vol. 5: No. 3; 1995. (In Japanese with English Abstract)

Articles written about my research/work:

- Goldsmith MF. *Medical News and Perspectives; Med Prep college course helps high school students work toward their dreams* JAMA. 1994; 271:1467-1468.
- *Students Support Adding Classes in Math, Science*; United Press International; Jan 1984.
- Lund, D.; *Survey Shows Oregon Pupils Support Graduation Changes: 1,200 Students From All Around the State Polled on Tougher Standards*; Oregonian; 24 January 1984.

Ongoing/submitted work:

- Winkleby, M; McCullough MJ. *The Stanford Medical Youth Science Program: Results of a Pre-medical Program for Low Income High School Students.*
- McCullough MJ; Uphoff B. *Cutting Into The Womb: A Study Exploring the Hysterectomy Rate Differences Between the United States and England* (Publication being delayed to include Japanese and Taiwanese data)

ACTIVITIES/INTERESTS:

- Karate Do
- Running, Yoga, Basketball, Weight training
- Hiking
- Flying (Private pilot since 1983)
- Mentoring (I currently informally advise about 25 pre-meds. My question answer sessions on creative approaches to applying to medical school regularly draw 200+ audiences at Stanford.)
- Travel: Nepal, India, Thailand, France, Germany, Spain, Czech Republic, Hungary, Bosnia, Croatia, Slovenia, Italy, Morocco, Canada & Mexico



REFERENCES:

UCSF Faculty:

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Kenneth Woeber, M.D.
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Stanford University Emergency Medicine Faculty: (4 months clinical shifts)

Eric L. Weiss, M.D.
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Bob Norris, M.D.
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Santa Clara Valley Emergency Medicine Faculty:

Richard Hencke, M.D.
Former Chief San José Medical Center
Dept. of Emergency Medicine
Home: (831) 438-3480
Email: wrhencke@aol.com

John Uhl, M.D. (Now El Camino Hospital)
Volunteer Clinical Instructor
Dept. of Emergency Medicine
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Foundation References:

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