

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Neil Gesundheit	POSITION TITLE Professor of Medicine		
eRA COMMONS USER NAME (credential, e.g., agency login)	Associate Dean for Advising Stanford University School of Medicine		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Harvard College	A.B.	03/1974	Biochemical Sciences
University of California, San Francisco	M.D.	05/1978	Medicine
University of California, Berkeley	M.P.H.	05/1978	Public Health

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.

A. Personal Statement

Although I am trained as a research endocrinologist, my current research involves exploring and developing innovative approaches to medical education. I also head the academic advising group at the Stanford School of Medicine. Our goal as advisors is to encourage students to probe their talents, explore personal interests and develop skills that will allow them to make unique contributions to medicine, and commit themselves to the collective goal of improving our nation's health. As medical educators, we strive to create an environment of rigorous medical education that produces knowledgeable and compassionate physicians.

B. Positions and Honors**Professional Experience:**

2012-present Professor of Medicine, Stanford University School of Medicine
 2006-present Associate Dean for Advising, Stanford University School of Medicine
 1999-2012 Associate Professor of Medicine, Stanford University School of Medicine
 1999-2006 Associate Dean for Medical Education, Stanford University School of Medicine
 1994-1999 Vice President of Clinical and Regulatory Affairs, Chief Medical Officer, VIVUS, Inc.
 1990-1994 Associate Director, Clinical Research (endocrinology), Genentech, Inc.
 1989-1990 Research Physician, Clinical Research, Genentech, Inc.
 1986-1989 Senior Staff Fellow, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD
 1983-1986 Medical Staff Fellow (research associate), NIDDK, NIH
 1982-1983 Senior Instructor of Medicine, Case Western Reserve University School of Medicine
 1981-1982 Chief Medical Resident, Santa Clara Valley Medical Center, and Clinical Instructor of Medicine, Stanford University School of Medicine
 1980-1981 Senior Assistant Resident, Internal Medicine, University of California, San Francisco
 Registrar in Endocrinology, St. Bartholomew's Hospital, London, England
 1978-1980 Medical Intern and Junior Assistant Resident, Internal Medicine, Stanford University Medical Center

Awards and Honors:

1970-74: Harvard College Scholarship (class rank); Departmental Honors, *cum laude* Biochemical Sciences

- 1977: Alpha Omega Alpha, University of California, San Francisco School of Medicine
2002: Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford University
2003: Dept. of Medicine, Excellence in Subspecialty Teaching (endocrinology), Stanford University
2003: Kaiser Family Foundation Award for Excellence in Clinical Teaching, Stanford University
2003: The Arthur L. Bloomfield Award for Excellence in the Teaching of Clinical Medicine, Stanford University
2004: Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford University
2005: Compassion in Medicine Award, Stanford University and the Lance Armstrong Foundation
2005: Dept. of Medicine, Excellence in Subspecialty Teaching (endocrinology), Stanford University
2007: Lawrence H. Mathers, Jr., Award for Exceptional Commitment to Teaching and Active Involvement in Medical Student Education
2009: Kaiser Family Foundation Award for Excellence in Preclinical Teaching, Stanford University

C. Selected Peer-reviewed Publications

1. Gesundheit, N., Magner, J. A., Chen, T., and Weintraub, B. D. Differential sulfation and sialylation of secreted mouse thyrotropin subunits: regulation by thyrotropin-releasing hormone. Endocrinology 1986; 119:455-463.
2. Gesundheit, N., Fink, D. L., Silverman, L. A. and Weintraub, B. D. Effect of thyrotropin-releasing hormone on the carbohydrate structure of secreted mouse thyrotropin: analysis by lectin affinity chromatography. J Biol Chem 1987; 262:5197-5203.
3. Comi, R. J., Gesundheit, N., Murray, L., Gorden, P., and Weintraub, B. D. Response of TSH-secreting pituitary adenomas to a long-acting somatostatin analogue. N Engl J Med 1987; 317:12-17.
4. Stannard, B. S., Gesundheit, N., Ronin, C., Burnside, J., and Weintraub, B. D. Differential carbohydrate processing and secretion of thyrotropin and free α subunit: effects of l-deoxyynojirimycin. J Biol Chem 1988; 263:8309-17
5. Gesundheit, N., Gyves, P. W., DeCherney, G. S., Stannard B. S., Winston, R. L., and Weintraub, B. D. Characterization and charge distribution of the asparagine-linked oligosaccharides on secreted mouse thyrotropin and free α subunits. Endocrinology 1989; 124: 2967-77.
6. Gyves, P. W., Gesundheit, N., Stannard, B. S., and Weintraub, B. D. Alterations in the glycosylation of secreted rat thyrotropin during ontogenesis: analysis of sialylated and sulfated oligosaccharides. J Biol Chem 1989; 264: 6104-10.
7. Gesundheit, N., Petrick, P. A., Nissim, M., Oldfield, E. H., Dahlberg, P. A., Doppman, J. L., Emerson, C. H., Braverman, L. E., and Weintraub, B. D. Thyrotropin-secreting pituitary adenomas: clinical and biochemical heterogeneity. Case reports and follow-up of nine patients. Ann Intern Med 1989; 111, 10: 827-35.
8. Gyves, P.W., Gesundheit, N., Thotakura, N.R., Stannard, B.S., DeCherney, G.S., and Weintraub, B.D. Changes in the sialylation and sulfation of secreted thyrotropin in congenital hypothyroidism. Proc Natl Acad Sci (U.S.A.) 1990; 87(10):3792-96.
9. Goddard, A.D., Covello, R., Luoh, S.M., Clackson, T., Attie, K.M., Gesundheit, N., Rundle, A.C., Wells, J.A., Carlsson, L.M. Mutations of the growth hormone receptor in children with idiopathic short stature. N Engl J Med 1995; 333(17):1093-98.
10. Padma-Nathan, H., Hellstrom, W.J.G., Kaiser, F.E., Labasky, R.F., Lue, T.F., Nolten, W.E., Norwood, P.C., Peterson, C.A., Shabsigh, R., Tam, P.Y., Place, V.A., and Gesundheit, N. Treatment of men with erectile dysfunction with transurethral alprostadil. N Engl J Med 1997; 336:1-7
11. Srinivasan M, Hauer KE, Der-Martirosian C, Wilkes M, Gesundheit N. Does feedback matter? Practice-based learning for medical students after a multi-institutional clinical performance examination. Med Educ 2007 Sep;41(9):857-65.
12. Chamberlain LJ, Wang NE, Ho EH, Banchoff AW, Braddock CH, Gesundheit N. Integrating collaborative population health projects into a medical student curriculum at Stanford. Acad Med 2008 Apr;83(4):338-44.
13. Laird AR, Ramchandani N, deGoma EM, Avula B, Khan IA, Gesundheit N. Herbal supplement-associated acute hepatitis mimicking iron-overload syndrome. J Clin Gastroenterol. 2008 Aug;42(7):861-2.

14. Gesundheit N, Brutlag P, Youngblood P, Gunning WT, Zary N, Fors U. The use of virtual patients to assess the clinical skills and reasoning of medical students: initial insights on student acceptance. Medical Teacher 2009;31(8): 739-42.
15. Maeshiro R, Johnson I, Koo D, Parboosingh J, Carney JK, Gesundheit N, et al. Medical education for a healthier population: reflections on the Flexner Report from a public health perspective. Acad Med 2010; Feb;85(2):211-9.
16. Laskowitz DT, Drucker RP, Parsonnet J, Cross PC, Gesundheit N. Engaging students in dedicated research and scholarship during medical school: the long-term experiences at Duke and Stanford. Acad Med. 2010;85(3):419-428.
17. Fetterman DM, Deitz J, Gesundheit N. Empowerment evaluation: a collaborative approach to evaluating and transforming a medical school curriculum. Acad Med. 2010; 85(5):813-820.

D. Research Support

List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). *Begin with the projects that are most relevant to the research proposed in the application.* Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

National Board of Medical Examiners, "Testing a Standardized Patient Examination for Medical Student Licensing," 2000-02 (\$40,000)

Vice Provost for Undergraduate Education Grant, "Clinical Medicine at the Cutting Edge Seminar Series" 2007-2011 (\$3,900)

American Association of Medical Colleges and Centers for Disease Control, "The Northern California Regional Public Health-Medicine Educational Center: A Collaboration to Integrate Population Health into the Core Curriculum at the Stanford University School of Medicine," 2005-current (\$160,000)

Wallenberg Global Learning Network, "Use of Web-based Clinical Cases (Case-Ex) in Medical Education" 2005-2008 (\$350,000, shared with the Karolinska Institute, Stockholm, Sweden)

Shenson Foundation, "Using Computer Simulation to Improve Medical Student Skills in History Taking, Physical Examination Knowledge, and Clinical Reasoning" 2007-current (\$14,500)

Shenson Foundation, "Developing Professionalism and Humanistic Skills in Medical Students" (co-PI) 2006-current (\$20,000)

Vice Provost for Undergraduate Education Grant, "Clinical Medicine at the Cutting Edge Seminar Series" 2007-2011 (\$3,900)

Vice Provost for Online Learning, Education Grant for Innovations in Online Learning, 2012-current (\$25,000)