ABBREVIATED CURRICULUM VITAE

NAME: Karen Potvin Klein, M.A., E.L.S., MWC™

COMPANY: Owner, Clarus Editorial Services
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SPECIALTY CERTIFICATIONS:

1991	Editor in the Life Sciences (E.L.S.), Board of Editors in the Life Sciences
2008-2020	Grant Professional Certified designation
2016-present	Medical Writer Certified™ (first cohort)

BRIEF BIOGRAPHY:

I am a grant consultant, medical editor, and medical writer with over 35 years of experience in grant applications of all types; I am board-certified in medical editing (E.L.S.) and medical writing (MWC). I assist investigators in crafting competitive proposals, responding to reviewers' critiques in resubmissions, and conveying "grantsmanship" in its many forms. I have worked on applications for numerous NIH mechanisms; proposals to other federal agencies, such as the Agency for Healthcare Research and Quality (AHRQ), the Department of Defense, the Health Resources and Services Administration (HRSA), and the National Science Foundation; and applications to national, regional, and local foundations, such as the American Heart Association and the Cancer Prevention and Research Institute of Texas. Areas of expertise are NIH CTSA and training, center, or equipment grants; awards for young investigators; and Patient-Centered Outcomes Research Institute (PCORI) applications.

I also offer manuscript editing services, with particular emphasis on responding to reviewers' critiques. I first worked on manuscripts at *The New England Journal of Medicine*; then I worked at two other peer-reviewed journals and at a consumer health magazine. I have coauthored over 30 peer-reviewed scientific papers.

I am active in the American Medical Writers Association (AMWA), was elected as a Fellow in 2006, and served as President from 2014-2015. I was instrumental in creating the first competency exam for medical writers, the MWC designation. I have given multiple workshops on proposal and manuscript writing and editing for AMWA and other organizations.

I began freelance editing in 2001 and formed Clarus Editorial Services in August 2015. I transitioned to full-time freelance editing and consulting in January 2019. Since then, I have teamed with investigators at more than 50 different academic medical centers or other organizations to win well over $150 million in grants.

EDUCATION:

1979	Brown University, Providence, Rhode Island A.B., Classics (also majored in American history)
2000	Wake Forest University, Winston-Salem, North Carolina M.A., Liberal Studies. Thesis: "A Model of the Modern Clinical Trial: Walter Reed and Yellow Fever in Cuba, 1899-1900"

EXTERNAL CONSULTING:

1998-1999	Consultant, Grant Applications, Speaking and Writing for Excellence Program: Bayer Corporation, Pharmaceutical Division
2001-present	Consultant and Editor, Grant Applications and Manuscripts for clients at:

AIQ Solutions
Albert Einstein College of Medicine
Cedars-Sinai Medical Center, Los Angeles
Emory University School of Medicine
Florida State Univ. College of Nursing
Georgetown University Medical Center
George Washington Univ. Medical Center
Hormel Institute (Univ. of Minnesota)
IntraNasal Technologies, Inc.
Long Island University
M.D. Anderson Cancer Center
Mayo Clinic Scottsdale
MetroHealth Center (Case Western Univ.)
Micromed Technologies
Mount Sinai School of Medicine
National Collegiate Athletic Association
NYU-Langone School of Medicine
North Carolina State University
Penn State University College of Medicine
Plakous Therapeutics
R.J. Dansereau, LLC
Rutgers Biomed–NJ Medical School
Texas A & M University
University of Alabama at Birmingham
Univ. of Arizona School of Nursing
UC Davis School of Medicine
UC San Francisco School of Medicine
Univ. of Arkansas Medical Center
Univ. of Central Florida College of Medicine
University of Florida College of Medicine
University of Illinois at Chicago
University of Kansas Medical Center
University of Kentucky College of Medicine
Univ. of New Mexico Health Sciences Center
University of North Carolina at Greensboro
University of North Texas
Univ. of Oklahoma Health Sciences Center
University of Pittsburgh Medical Center
Univ. of Southern California School of Med.
University of North Texas
University of Texas at Austin
Univ. of Texas Health Sci. Center at Houston
University of Texas at Houston
University of Texas at San Antonio
University of Utah School of Medicine
Vanderbilt University School of Medicine
Veterans Administration Medical Center (Salisbury, NC and San Antonio, TX)
Virginia Commonwealth University
Vision Medicals
Wake Forest University School of Medicine
Yale University School of Medicine

PREVIOUS EMPLOYMENT:

1979-1981	Editorial Clerk, *New England Journal of Medicine*, Boston, MA
1981-1983	Editorial Assistant, *New England Journal of Medicine*, Boston, MA
1983-1985	Editorial Assistant III, Department of Surgery, Yale University School of Medicine, New Haven, CT
1985-1987	Assistant Managing Editor, *American Journal of Surgery*, New York, NY
1987-1988	Copy/Production Editor, *Health* Magazine, New York, NY
1988-1991	Managing Editor, *Hypertension*, Iowa City, IA
1991-1997	Research Associate for Scientific Communications, Department of Comparative Medicine, Wake Forest University School of Medicine

	(WFUSM), Winston-Salem, NC
1997-2002	Research Assistant, Department of Internal Medicine/Cardiology, WFUSM
2003- 2004	Editor, Women's Health Center of Excellence, WFUSM
7/1/04-12/31/05	Research Associate, Research Support Core, Office of Research, WFUSM
1/1/06-9/30/08	Assistant Director, Grant and Publication Development, Research Support Core, Office of Research, WFUSM
10/1/08-06/30/13	Associate Director, Research Support Core, Office of Research, WFUSM
7/1/13-12/31/18	Director, Grant Development and Medical Editing, Clinical and Translational Science Institute, WFUSM
01/01/19-present	Owner, Clarus Editorial Services, Winston-Salem, NC (now Santa Fe, NM)

GRANT REVIEWING SERVICE:

2006-2017	Grants Reviewer, Susan G. Komen for The Cure (national and regional) (1 of 24 lay advocate reviewers chosen nationally)
2009-2012	Grants Reviewer, Avon Foundation (1 of 15 reviewers chosen nationally)
2013-present	Patient/Stakeholder Grant Reviewer, PCORI
2014-present	Selected as mentor, PCORI Patient/Stakeholder Reviewers
2014	Lay Reviewer, Clinical Outcomes Panel, American Heart Association

PROFESSIONAL MEMBERSHIPS (current only):

1988-present	American Medical Writers Association (AMWA)
1991-present	Board of Editors in the Life Sciences

PROFESSIONAL SERVICE (Selected):

2003-present	Manuscript Reviewer, *AMWA Journal*
2004-2010	AMWA Executive Committee
2010-2011	Executive Director Search Committee, AMWA
2011-2012	Secretary (1 of 4 elected officers), AMWA
2011-2012	Chair Elect, Medical Writing Certification Commission, AMWA
2012-2013	Chair, Medical Writing Certification Commission, AMWA
2013-2014	President-Elect (1 of 4 elected officers), AMWA
2014-2016	**President and Immediate Past President, AMWA**
2015-present	Member, Medical Writing Certification Commission
2017-2019	Member, Officer Nomination Committee, AMWA
2018-2021	Member, Member Recognition Committee, AMWA (Chair, 2019-20)
2018-present	Member, Appeals Committee, Board of Editors in the Life Sciences (BELS)
2022-present	Member, Budget and Finance Committee, BELS

HONORS AND AWARDS:

2006	Elected Fellow, AMWA
2009	Tied for first prize, poster award: "A Research Support Core for Medical Center Faculty", NC Society of Research Administrators annual meeting

INVITED PRESENTATIONS AND WORKSHOPS (most recent only):

"Effective Introductions for Revised Applications", University of Texas Health Science Center at San Antonio (UTHSA) Research Week, April 5, 2021 (virtual).

"Anatomy of a Biosketch", UTHSA Research Week, April 7, 2021 (virtual).

"Career Paths in Biomedical Editing and Writing", University of New Mexico Health Science Center, August 24, 2022.

Talk on Career Paths in Editing, Master's in Medical Writing Program, Texas A&M University, July 26, 2023 (virtual).

Invited Contributor, "PCORI Toolkit" (online resource), Wake Forest University School of Medicine, Fall 2023. https://ctsi.wakehealth.edu/announcements/2023/09/pcori-proposals-toolkit

Invited Speaker, National Organization of Research Development Professionals, 2023 Midwest Mentoring Cohort, April 15, 2024 (virtual).

"Inside Tips on Manuscript Writing: Strategy, Content, and Getting Published", University of Texas Health Science Center, School of Nursing, January 31, 2025 (virtual).

"Tips from the Trenches: Strategies for Manuscript and Proposal Writing", NIH COSTAR-funded training program, UTHSA School of Dentistry, May 15, 2025 (virtual).

"Federal Grant Applications: Navigating Uncertainty", American Medical Writers Association Annual Conference, November 7, 2025.

"Effective Introduction Sections for Revised Grant Applications", Department of Psychology Research group, University of North Texas, July 8, 2026 (virtual).

BIBLIOGRAPHY:

Monographs (invited):

Klein KP. Editing grant proposals. In: Bloom M, ed. CBE GuideLines Series. Reston, VA: Council of Biology Editors, 1999. 27 pp.

Klein KP. The publication process at biomedical journals: Tips for author's editors and authors. CBE GuideLines Series. Reston, VA: Council of Biology Editors, 1999. 19 pp.

Scientific Articles:

Clarkson TB, Washburn SA, **Klein KP**, Petrick G. Sex steroids and atherosclerosis in an animal model. In: Mattson L-Å, ed. Safety aspects of hormone replacement. Royal Tunbridge Wells, U.K.: Wells Medical, 1992:101-105.

Clarkson TB, Williams JK, Adams MR, Wagner JD, **Klein KP.** Experimental effects of progesterone versus progestins on the arterial wall. In: Naftolin F, Lobo R, eds. Progesterone in hormone replacement therapy. Carnforth, U.K.: Parthenon Publishing, 1992:19-35.

Clarkson TB, Williams JK, Adams MR, Wagner JD, **Klein KP.** Experimental effects of estrogens, progesterone, and progestins on the coronary artery wall. In: Wenger NK, Speroff L, Packard B, eds. Cardiovascular health and disease in women. Proceedings of a National Heart, Lung and Blood Institute Conference. Greenwich, CT: LeJacq Communications, Inc., 1993:169-174.

Clarkson TB, Prichard RW, Morgan TM, Petrick GS, **Klein KP.** Remodeling of coronary arteries in human and nonhuman primates. JAMA. 1994; 271:289-294. PMID: 8295288

Clarkson TB, Anthony MS, **Klein KP.** Effects of estrogen treatment on arterial wall structure and function. Drugs 1994;47(Suppl 2):42-51. PMID: 7517833

Clarkson TB, Hughes CL, **Klein KP.** The nonhuman primate model of the relationship between gonadal steroids and coronary artery disease. Prog Cardiovasc Dis. 1995;38:189-198. PMID: 7494881

Clarkson TB, Anthony MS, **Klein KP.** Phytoestrogens: Can hormone replacement be something you eat? Women's Health Digest 1996;1(4):253-255.

Clarkson TB, Anthony MS, **Klein KP.** Hormone replacement therapy and coronary artery atherosclerosis: The monkey model. Br J Obstet Gynaecol. 1996;103(Suppl 13):53-58. PMID: 8624344

Clarkson TB, Kaplan JR, Shively CA, **Klein KP.** Benefits of exogenous estrogen in inhibiting stress-related coronary artery atherosclerosis. Br J Obstet Gynaecol. 1996;103(Sup 13):73-79. PMID: 8624347

Kaplan JR, **Klein KP**, Manuck SB. Cholesterol meets Darwin: Public health and evolutionary implications of the cholesterol-serotonin hypothesis. Evolutionary Anthropol. 1997; 6:28-37.

Herrington DM, **Klein KP.** Estrogen replacement and prevention of coronary artery disease in postmenopausal women. Menopause Management 1998; 7:8-14.

Herrington DM, Reboussin DM, **Klein KP**, Sharp PC, Shumaker SA, Snyder TE, Geisinger KR, for the ERA Investigators. The Estrogen Replacement and Atherosclerosis (ERA) Study: Study design and baseline characteristics of the cohort. Control Clin Trials 2000; 21:257-285. PMID: 10822123

Herrington DM, **Klein KP**. Statins, hormones, and women: Benefits and drawbacks for atherosclerosis and osteoporosis. Curr Atheroscler Rep. 2001; 3:35-42. PMID: 1123846

Folmar S, Oates-Williams F, Sharp P, Reboussin D, Smith J, Cheshire K, Macer J, **Klein KP**, Herrington DM. Recruitment of participants for the Estrogen Replacement and Atherosclerosis (ERA) trial. Control Clin Trials 2001; 22:13-25. PMID: 1165419

Herrington DM, **Klein KP**. Cardiovascular effects of selective estrogen receptor modulators (SERMs) (invited review). Women's Health Issues 2001; 11(2):95-102. PMID: 11275512

Nair GV, **Klein KP**, Herrington DM. Assessing the role of estrogen in the prevention of cardiovascular disease (invited review). Ann Med. 2001; 33:305-312. PMID: 11491187

Herrington DM, **Klein KP**. Pharmacogenetics of estrogen replacement therapy (invited review). J Appl Physiol. 2001; 91:2776-2784. PMID: 11717246

Herrington DM, **Klein KP**. Cardiovascular trials of estrogen replacement therapy (invited review). Ann NY Acad Sci. 2001; 949:153-162. PMID: 11795347

Herrington DM, **Klein KP**. Effects of estrogen on thrombosis and inflammation. Highlights from the 6th Annual Graylyn Conference on Women's Health, Oct. 12-13, 2000, Winston-Salem, NC. Rev Cardiovasc Med. 2002; 3:49-56.

Preli RB, **Klein KP**, Herrington DM. Vascular effects of dietary L-arginine supplementation. Atherosclerosis 2002; 162:1-15. PMID: 11947892

Klein KP, Herrington DM. Effects of estrogens and selective estrogen receptor modulators on indicators of cardiovascular health in postmenopausal women. Medscape Women's Health eJournal 2002; 7(5). http://www.medscape.com/viewarticle/441559. PMID: 12466731

Herrington DM, **Klein KP**. Effects of estrogen replacement in women with coronary disease. In: Barrett-Connor E, Lobo R, Crosignani PG, Paoletti R, eds. Women's Health and Menopause Symposium Proceedings. Dordrecht: Kluwer Academic Publishers, 2002:131-138.

Klein KP. Research centers in arteriosclerosis, stroke and cancer at Wake Forest University School of Medicine (invited review). South Med J. 2002; 95:1238-1242. PMID: 12539987

Herrington DM, **Klein KP**. Randomized clinical trials of hormone replacement therapy for prevention or treatment of coronary heart disease: A review of the findings. Atherosclerosis 2003; 166:203-212. PMID: 1535732

Klein KP, Rapp SR. Women's cognitive health: Postmenopausal dementia and the Women's Health Initiative Memory Study. Women's Health Issues 2004;14:71-74. PMID: 15193634

Anderson RT, **Klein KP**, Weisman CS, Scholle SH. A website resource for survey tools to assess quality of women's primary care: patient satisfaction and preventive healthcare services. J Womens Health 2004; 13:461 (abstract).

Yeboah J, **Klein K**, Brosnihan B, Reboussin D, Herrington DM. Effects of hormone therapy on soluble cell adhesion molecules in postmenopausal women with coronary artery disease. Menopause 2008; 15:1060-1064. PMID: 18521047

Klein K, Pulley A, Rucker N, Taylor RN, Kritchevsky S. How to get the most out of a professional conference. Wake Forest Journal of Science and Medicine 2016; 2:5-8.

Gesell SB, **Klein KP**, Halladay J, Freeburger J, Cummings D, Lundy G, Bettger JP, Lutz B, Bushnell C, Rosamond W, Duncan PW, for the COMPASS Study Investigators. Methods guiding stakeholder engagement in the study planning phase of the COMPASS Study: a large pragmatic randomized controlled trial changing systems of care. J Clin Transl Sci. 2017 Apr;1(2):121-128. PMCID: PMC5471818

Rhodes SD, Ballard PJ, Moore KR, **Klein K**, Randall I, Lischke M, Vissman AT, Lengerich EJ, Daniel SS, Skelton JA. Community-engaged research in translational science: innovations to improve health in Appalachia. J Clin Transl Sci. 2021; 5:e200. PMCID: PMC8727706

Articles About the Editing Profession (selected):

Klein KP, Cozzarin JR. Pathways to the presidency. Part I – Charting the course. AMWA J 2004;19(4):167-171.

Klein KP, Foley KL, Legault C, Manuel J, Shumaker SA. Creation of a grant support service within a Women's Health Center of Excellence: Experiences and lessons learned. J Women's Health 2006; 15:127-134. PMID: 16536676

Klein KP. Seeking funding from foundations (invited). Chest 2007; 132(2):732-733. PMID: 17699150

Hudson S, Snyder B, **Klein KP**. Introducing the curriculum in science fundamentals: a new AMWA certificate program. AMWA J 2007; 22:80-82.

Klein KP. The Research Support Core: a personalized approach to editing grant applications (invited). Science Editor 2010; 33(May-June): 96-98.

Klein KP. A Research Support Core for grant assistance. J Grant Professionals Assn 2011; (Fall):56-65.

Gegeny TP, **Klein KP**. AMWA's medical writing certification initiative: where are we now? AMWA J 2012; 27(4):184-187.

Klein KP. Transition Story (invited). Science Editor 2024; 47:33.