

## 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 of 38)

### BRIEF BIOGRAPHY:

I am a grant consultant, medical editor, and medical writer with over 35 years of experience in editing and writing grant applications of all types; I am board-certified in medical editing (BELS) and medical writing (MWC). I assist investigators by helping them craft 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, and the National Science Foundation; and applications to national and local foundations. Special areas of expertise include large proposals (e.g., 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. My career began at *The New England Journal of Medicine* and thereafter I worked at several other peer-reviewed journals. In subsequent roles, I coauthored over 30 peer-reviewed scientific publications.

I have been active in the leading professional organizations in the field, especially the American Medical Writers Association (AMWA), and served as its national president from 2014-2015. With other AMWA leaders, I was instrumental in creating the first competency exam for medical writers, the MWC designation. I have lead workshops on proposal and manuscript writing and editing for AMWA and other organizations for many years.

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 multiple investigators at 40 different academic medical centers or technology companies to win over \$94 million in grants.

### EXTERNAL CONSULTING:

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

AIQ Solutions  
Albert Einstein College of Medicine  
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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  
Micromed Technologies  
Mt. 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  
University of Alabama at Birmingham  
UC Davis School of Medicine  
UC San Francisco School of Medicine  
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 Pittsburgh Medical Center  
University of Southern California School of  
Medicine  
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 Texas Health Science Center 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

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"

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 (for Dr. David Herrington), Department of Internal  
Medicine/Cardiology, WFUSM  
2003- 2004 Editor, Women's Health Center of Excellence, WFUSM  
10/20/2023

7/1/04 – 12/31/05      Research Associate, Research Support Core, Office of Research,  
WFU Health Sciences (WFUHS)  
1/1/06 – 9/30/08      Assistant Director, Grant and Publication Development, Research  
Support Core, Office of Research, WFUHS  
10/1/08-06/30/13      Associate Director, Research Support Core, Office of Research, WFUHS  
7/1/13-12/31/18      Director, Grant Development and Medical Editing, Clinical and  
Translational Science Institute, WFUHS  
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, Patient-Centered Outcomes Research  
Institute (PCORI)  
2014-present      Selected as mentor, PCORI Patient/Stakeholder Reviewers  
2014      Lay Reviewer, American Heart Association (Clinical Outcomes Panel)

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

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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 6<sup>th</sup> 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. PMID: 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. doi: 10.1017/cts.2021.862. PMID: 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.

INVITED PRESENTATIONS AND WORKSHOPS (last 5 years only):

“Navigating a Grant Proposal” panel, University of Texas Health Science Center at San Antonio (UTHSA), May 3, 2018.

“Positioning Yourself for Success” and “R Writers Workshop”, UTHSA, October 1-2, 2018.

“Effective Introductions for Revised Applications”, 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.

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