

Joanne M. McAndrews, PhD
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EDUCATION

2009	Advanced Curriculum certificate from The American Medical Writers Association
2006	Core Curriculum certificate from The American Medical Writers Association
1990-1994	Northwestern University, Evanston, IL Ph.D. in Neurobiology and Physiology
1988-1990	The Pennsylvania State University, University Park, PA M.S. in Physiology
1984-1988	Union College, Schenectady, NY B.S. in Biology Departmental Honors in Biology

AWARDS

2019	President's Award, American Medical Writers Association
2014	Fellow of the American Medical Writers Association
1984	Girl Scout Gold Award

WORK EXPERIENCE

Freelance medical and technical writer November 2000 – present

Past and current clients = AbbVie, AdvanTech Media, Amgen, ApotheCom, BodyAesthetic Plastic Surgery & Skin Care Center; Castle Peak Medical Writing, Catalyst Consultants (subcontractor to the Missouri Botanical Garden, Monsanto, and Novartis), Certus International, DaVita Clinical Research, Division of Fertility Preservation- Northwestern University, The Endocrine Society, Horizon Pharma, MediBeacon, Mercy Health Research, Nestlé Purina PetCare, Neuropax, The Nidus Center for Scientific Enterprise, Seed Strategy, Sequoia Sciences, Technical Writers Studio, TIV, Inc., Washington University School of Medicine in St. Louis

- Preparation of manuscripts, medical textbook chapters, literature reviews, white papers, Webcast scripts
- Preparation of clinical study reports (CSRs) and protocols submitted to the FDA
- Registration of clinical trial protocols on Clinical Trials.gov
- Preparation of clinical trial results disclosures on Clinical Trials.gov and EudraCT
- Preparation of General Recognition of Safety regulatory dossiers submitted to the FDA: researched and wrote sections regarding chemistry, manufacturing, safety/toxicology, history of usage by animals and humans, clinical trials results
- Topics/therapeutic areas: acute myelogenous leukemia, anemia, ankylosing spondylitis, axial spondyloarthritis, antioxidants, avian influenza/bird flu, biotechnology, botulinum toxin (Botox), cancer/oncology, chemical peels, chronic lymphocytic leukemia, clinical studies, colorectal cancer, coronavirus disease 2019 (COVID-19), Crohn's disease, cystinosis, dental health, dermabrasion, dermal fillers, diabetic neuropathy, endocrinology, glioblastoma multiforme, growth hormone, hepatitis C virus infection, hidradenitis suppurativa, intense pulsed light treatment, kidney disease and function, laser hair removal, laser skin resurfacing, menopause, metabolism, migraine headaches, molecular biology, MRSA, multiple myeloma, nutraceuticals, nutrition, obesity,

oncofertility, optical diagnostics, Parkinson's disease, pathology, pharmacokinetics, pharmacology, physiology, phytoestrogens, plastic surgery, preclinical studies, progressive supranuclear palsy, psoriasis, reproductive endocrinology, reproduction, respiratory syncytial virus (RSV) infection, rheumatoid arthritis, scarring, seborrheic dermatitis, stroke, thoracic outlet syndrome, tinnitus, ulcerative colitis, urea cycle disorders, and wound healing

Senior Research Scientist April 1998 – October 2000

Nutrition and Consumer Sector, Monsanto Company, St. Louis, MO

- Identification of natural products beneficial for cardiovascular and bone health in postmenopausal women
- Designed database mining strategy and analyzed the resulting output to generate a small list of promising plants to study; obtained appropriate plant extracts and coordinated in vitro screening; identified leads for further evaluation in animal models
- Formatted and validated cell-based high throughput screening assay for automation in 96 well plates
- Designed and conducted in vitro genomics experiments to identify new targets; generated lists of uniquely regulated genes
- Coordinated departmental seminar series

Postdoctoral Fellow September 1994 - April 1998

Northwestern University Medical School, Chicago, IL Advisor: J. Larry Jameson, M.D., Ph.D.

- Created transgenic mouse model: mammary gland-specific expression of dominant negative human estrogen receptor (ER) mutants
- Investigated effects of dominant negative human ER mutants on estrogen and growth factor-dependent breast cancer cell proliferation in vitro
- Characterized estrogenic properties of resveratrol, a compound in grapes and red wine, using human breast cancer cells

Graduate Student September 1990 - August 1994

Northwestern University, Evanston, IL Advisor: Neena B. Schwartz, Ph.D.

- Evaluated the effects of glucocorticoids on gonadotropin hormone secretion, pituitary content, mRNA, and other physiological variables in male and female laboratory rats
- Investigated regulation of the rat FSH β gene promoter by glucocorticoids
- Directed undergraduate student independent study projects
- Served as teaching assistant for upper level Vertebrate Endocrinology course (2 years)
- Ph.D. thesis title "Effects of glucocorticoids on gonadotropin secretion, pituitary content, and messenger ribonucleic acid levels in male and female rats"

Graduate Student June 1988 - August 1990

The Pennsylvania State University, University Park, PA Advisor: Daniel R. Deaver, Ph.D.

- Investigated age-related changes in the secretion of luteinizing hormone and growth hormone and changes in the cellular composition of the anterior pituitary gland in prepubertal bull calves
- Assisted high school students with summer research projects
- M.S. thesis title "Age-related changes in the secretion of growth hormone in infantile and prepubertal Holstein bull calves"

Independent Research 1987-1988

Union College, Schenectady, NY Advisor: George M. Butterstein, Ph.D.

- Assessed endocrinological, morphological, and histological effects of short-term treatment of 6-Methoxybenzoxazolinone (6-MBOA) and 2-Benzoxazolinone (2-BOA) on female laboratory rat reproductive organs
- Thesis title "Is the plant compound 6-Methoxybenzoxazolinone (6-MBOA) or its analog 2-Benzoxazolinone (2-BOA) estrogenic?"

Laboratory Assistant Summer 1985

- Developed new and improved existing dental hygiene products

PUBLICATIONS

Berman B, Young VL, **McAndrews J**. Objective Assessment of the Precision, Accuracy, and Reliability of a Measurement Method for Keloid Scar Volume (PARKS Study). *Dermatol Surg*. 2015 Nov;41(11):1274-82.

L.M. Balbes, **J.M. McAndrews** 2013 The Whole is Greater than the Sum of the Parts. Society for Technical Communication Intercom June 2013: 19-20.

J.M. McAndrews, J. Wu 2013 Introduction to the Endocrine System Part 2: Physiology. *AMWA Journal* 28: 51-56.

J. Wu, **J.M. McAndrews** 2012 Introduction to the Endocrine System Part 1: Basic Concepts and Anatomy. *AMWA Journal* 27: 152-156.

L.N. Eisenman, **J.M. McAndrews** 2011 Epilepsy and Migraine. *The Missouri and Kansas Epilepsy Review*. Volume 1, #2.

J.M. McAndrews 2009 Free “Techie” Tips and Tools on the Web. *AMWA Journal* 24:198-199.

J.M. McAndrews 2009 Using free online collaboration tools. *AMWA Journal* 24:145-146.

A.M. Elward, **J.M. McAndrews**, V.L. Young 2009 Methicillin-sensitive and methicillin-resistant *Staphylococcus aureus*: Preventing surgical site infections following plastic surgery. *Aesthetic Surgery J* 29:232-244. (Accepted without revisions by the journal)

C.B. Boswell, **J.M. McAndrews** 2009 Chapter 13--Safety in Minimally Invasive Therapies: Botox, Fillers, and Light-Based Procedures. In: Patient Safety in Plastic Surgery: St. Louis: Quality Medical.

J.M. McAndrews 2009 Using free online survey tools. *AMWA Journal* 24:91-92.

J.M. McAndrews 2009 Simplifying your life with free online organizers. *AMWA Journal* 24:42-43.

J.M. McAndrews, L.M. Balbes 2009 Strength in numbers: The St. Louis area AMWA/Society for Technical Communication freelancers' luncheons. *AMWA Journal* 24:45-46.

U. Schobel, M. Frenay, D.A. van Elswijk, **J. M. McAndrews**, K.R. Long, L.M. Olson, S.C. Bobzin, H. Irth 2001 High resolution screening of plant natural product extracts for estrogen receptor alpha and beta binding activity using an online HPLC-MS biochemical detection system. *J. Biomol Screen* 6:291-303.

B.D. Gehm, **J.M. McAndrews**, V.C. Jordan, J.L. Jameson 2000 EGF activates highly selective estrogen-responsive reporter plasmids by an ER-independent pathway. *Molecular and Cellular Endocrinology* 159:53-62.

B.D. Gehm, **J.M. McAndrews**, P-Y Chien, J.L. Jameson 1997 Resveratrol, a polyphenolic compound found in grapes and wine, is an agonist for the estrogen receptor. *Proceedings of the National Academy of Sciences USA* 94:14138-14143.

S.M. Kilen, M. Szabo, G.A. Strasser, **J.M. McAndrews**, S.J. Ringstrom, N.B. Schwartz 1996 Corticosterone selectively increases follicle-stimulating hormone β -subunit messenger ribonucleic acid in primary anterior pituitary cell culture without affecting its half-life. *Endocrinology* 137:3802-3807.

J.M. McAndrews, S.J. Ringstrom 1996 Effects of in vivo exposure to glucocorticoids on pituitary, serum, and messenger ribonucleic acid levels of the gonadotropin hormones FSH and LH in male and female rats. J.A. Thomas, ed. *Endocrine Methods*. New York: Academic Press, p 221-238.

J.M. McAndrews, S.J. Ringstrom, K.D. Dahl, N.B. Schwartz 1995 Effects of corticosterone and testosterone on pituitary gonadotropin content, secretion, bioactivity, and messenger RNA levels in the presence or absence of GnRH in male rats. *Endocrine* 3:13-20.

J.M. McAndrews, J.L. Peters, D.R. Deaver 1994 Age-related changes in the secretion of LH in vivo and in vitro in infantile and prepubertal Holstein bull calves. *Journal of Reproduction and Fertility* 101:453-458.

J.M. McAndrews, S.J. Ringstrom, K.D. Dahl, N.B. Schwartz 1994 Corticosterone in vivo increases FSH β mRNA and serum FSH bioactivity selectively in female rats. *Endocrinology* 134:158-163.

J.M. McAndrews, C.M. Stroud, R.D. MacDonald, W.C. Hymer, D.R. Deaver 1993 Age-related changes in the secretion of GH in vivo and in vitro in infantile and prepubertal Holstein bull calves. *Journal of Endocrinology* 139:307-315.

S.J. Ringstrom, **J.M. McAndrews**, J.O. Rahal, N.B. Schwartz 1991 Cortisol in vivo increases FSH β mRNA selectively in pituitaries of male rats. *Endocrinology* 129:2793-2795.

PUBLICATIONS PREPARED AS A MEDICAL WRITER

Hagan RR, Ricci JA, Eberlin KR. Novel Surgical Approach for Decompression of the Scalene Triangle in Neurogenic Thoracic Outlet Syndrome. *J Reconstr Microsurg*. 2018 Jun;34(5):315-320. doi: 10.1055/s-0037-1621728.

Hagan RR, Fallucco MA, Janis JE. Subraorbital Rim Syndrome: Definition, Surgical Treatment, and Outcomes for Frontal Headache. *Plast Reconstr Surg Glob Open*. 2016 Jul 12;4(7):e795. doi: 10.1097/GOX.0000000000000802.

Bugaj JE, Dorshow RB. Pre-clinical toxicity evaluation of MB-102, a novel fluorescent tracer agent for real-time measurement of glomerular filtration rate. *Regul Toxicol Pharmacol* 72 (2015) 26–38.

D.N. Reeds, B.S. Mohammed, S. Klein, C.B. Boswell, V.L Young 2013 Metabolic and Structural Effects of Phosphatidylcholine and Deoxycholate Injections on Subcutaneous Fat: A Randomized, Controlled Trial. *Aesthetic Surgery J* 33:400-408.

Chaston JM, Suen G, Tucker SL, Andersen AW, Bhasin A, Bode E, Bode HB, Brachmann AO, Cowles CE, Cowles KN, Darby C, de Léon L, Drace K, Du Z, Givaudan A, Herbert Tran EE, Jewell KA, Knack JJ, Krasomil-Osterfeld KC, Kukor R, Lanois A, Latreille P, Leimgruber NK, Lipke CM, Liu R, Lu X, Martens EC, Marri PR, Médigue C, Menard ML, Miller NM, Morales-Soto N, Norton S, Ogier JC, Orchard SS, Park D, Park Y, Qurollo BA, Sugar DR, Richards GR, Rouy Z, Slominski B, Slominski K, Snyder H, Tjaden BC, van der Hoeven R, Welch RD, Wheeler C, Xiang B, Barbazuk B, Gaudriault S, Goodner B, Slater SC, Forst S, Goldman BS, Goodrich-Blair H. The entomopathogenic bacterial endosymbionts *Xenorhabdus* and *Photorhabdus*: convergent

ABSTRACTS

J. M. McAndrews, W.L. Neumann, J. Liu, K.R. Long, E.S. Krul, K.S. Sample, L.M. Olson 2000 Relationships between isoflavone and flavone structures and estrogenic activity. 82nd Annual Meeting of The Endocrine Society, Toronto, Canada, Abstract #1521.

J. M. McAndrews, B.D. Gehm, J.L. Jameson 1997 Establishment of human breast cancer cell lines stably transfected with dominant negative human estrogen receptor mutants. Department of Defense Breast Cancer Research Program: An Era of Hope meeting, November 1997, Abstract 364-P.

B.D. Gehm, **J. M. McAndrews**, V.C. Jordan, J.L. Jameson 1997 Functional analysis of site-directed mutations in human estrogen receptor. Department of Defense Breast Cancer Research Program: An Era of Hope meeting, November 1997, Abstract 362-P.

B.D. Gehm, **J.M. McAndrews**, V.C. Jordan, J.L. Jameson 1997 Independent pathways for estrogen and epidermal growth factor signaling in breast cancer cell lines. Department of Defense Breast Cancer Research Program: An Era of Hope meeting, November 1997, Abstract 378-P.

B.D. Gehm, **J.M. McAndrews**, V.C. Jordan, J.L. Jameson 1996 Functional analysis of site-directed mutations in human estrogen receptor. Midwestern Section, American Federation for Clinical Research, Chicago, IL.

B.D. Gehm, **J.M. McAndrews**, V.C. Jordan, J.L. Jameson 1996 Independent pathways for estrogen and epidermal growth factor signaling in breast cancer cell lines. 10th International Congress of Endocrinology, San Francisco, CA, Abstract #P2-809.

S.M. Kilen, M. Szabo, **J.M. McAndrews**, S.J. Ringstrom, N.B. Schwartz 1996 Corticosterone selectively increases FSH β subunit mRNA in primary anterior pituitary cell culture without affecting its half life. 10th International Congress of Endocrinology, San Francisco, CA, Abstract #P1-398.

J.M. McAndrews, S.J. Ringstrom, K.D. Dahl, N.B. Schwartz 1994 Effects of corticosterone and testosterone on pituitary gonadotropin content, secretion, bioactivity, and messenger RNA levels in the presence or absence of GnRH in male rats. 76th Annual Meeting of The Endocrine Society, Anaheim, CA, Abstract #164.

R.I. Kardon, **J.M. McAndrews**, N.B. Schwartz Regulation of the rat FSH β gene by glucocorticoids. 14th Annual Minisymposium on Reproductive Biology, Northwestern University, Evanston, IL, October 18, 1993, Abstract #25.

J.M. McAndrews, S.J. Ringstrom, N.B. Schwartz Corticosterone in vivo increases pituitary FSH β mRNA content and serum FSH bioactivity selectively in female rats. 14th Annual Minisymposium on Reproductive Biology, Northwestern University, Evanston, IL, October 18, 1993, Abstract #14.

J.M. McAndrews, N.B. Schwartz, S.J. Ringstrom Cortisol in vivo increases FSH β mRNA selectively in pituitaries of male rats. 12th Annual Minisymposium on Reproductive Biology, Northwestern University, Evanston, IL, October 21, 1991, Abstract #11.

J.M. McAndrews, C. Stroud, D.R. Deaver, W.C. Hymer, R.D. MacDonald 1990 Age-related changes in GH molecular variants and secretion in prepubertal bull calves. 72nd Annual Meeting of The Endocrine Society, Atlanta, GA, Abstract #924.

J.M. McAndrews, J.L. Peters, D.R. Deaver 1989 Age-related changes in LH secretion in vivo and in vitro in prepubertal bull calves. 22nd Annual Meeting of the Society for the Study of Reproduction, Columbia, MO, Abstract #161.

B. Friere, **J. McAndrews** April 1988 Are plant compounds 6-Methoxybenzoxazolinone and 2-Benzoxazolinone estrogenic? 2nd National Conference on Undergraduate Research, Asheville, NC.

PROFESSIONAL ASSOCIATIONS

American Medical Writers Association
The Endocrine Society
FASEB
Sigma Xi

PROFESSIONAL ACTIVITIES

Co-organizer, TechWrite STL bimonthly luncheon series for medical/technical writers and editors in St. Louis, MO, September 2006 – present.

Fellowship Committee member, American Medical Writers Association, February – March 2017.

Nominating Committee member, American Medical Writers Association, February – March 2016.

Treasurer, Mid-America Chapter of the American Medical Writers Association, July 2013—April 2016.

2013 American Medical Writers Association Annual Conference planning committee, September 2012-November 2013.

Immediate Past President, Mid-America Chapter of the American Medical Writers Association, 2010-2011.

President, Mid-America Chapter of the American Medical Writers Association, 2008-2010.

Membership Chair, Mid-America Chapter of the American Medical Writers Association, 2007-2008.

Co-organizer, American Medical Writers Association Mid-America Chapter dinner, St. Louis, MO, April 28, 2010.

Organizer, American Medical Writers Association Mid-America Chapter dinner, St. Louis, MO, May 14, 2009.

Conference planning committee member, American Medical Writers Association Mid-America Chapter Conference, Kansas City, MO, May 2-3, 2008.

Judge, Greater St. Louis Science Fair (<http://www.sciencefairstl.org/>), May 2007.

Conference planning committee member, American Medical Writers Association Mid-America Chapter Conference, St. Louis, MO, March 23-24, 2007.

SPEAKING ENGAGEMENTS

Roundtable leader, “Grow Your Own Local Network of Communication Professionals”, American Medical Writers Association Medical Writing & Communication Virtual Conference, October 20, 2020.

Panelist, Jump Starting Your Freelance Career in 2020; Q&A webinar sponsored by the Mid-America chapter of the American Medical Writers Association, January 9, 2020.

Breakfast roundtable leader, “Grow Your Own Local Network of Communication Professionals”, American Medical Writers Association Medical Writing & Communication Conference, San Diego, CA, November 8, 2019.

Breakfast roundtable leader, “Grow Your Own Local Network of Communication Professionals”, American Medical Writers Association Medical Writing & Communication Conference, Washington, DC, November 2, 2018.

Lunch roundtable leader, “Grow Your Own Local Network of Communication Professionals”, American Medical Writers Association Medical Writing & Communication Conference, Orlando, FL, November 3, 2017.

Lunch roundtable leader, “Grow Your Own Local Network of Communication Professionals”, American Medical Writers Association Medical Writing & Communication Conference, Denver, CO, October 7, 2016.

Concepts in Science and Medicine workshop leader, “Introduction to the Endocrine System”, 75th Annual Conference of the American Medical Writers Association, San Antonio, TX, October 2, 2015.

Moderator and panelist, Open Session 31 “Put on Your Own Oxygen Mask First: Getting (and Staying) Organized”, 74th Annual Conference of the American Medical Writers Association, Memphis, TN, October 10, 2014.

Concepts in Science and Medicine workshop co-leader (with Jacqueline Wu), “Introduction to the Endocrine System”, 73rd Annual Conference of the American Medical Writers Association, Jacksonville, FL, November 7, 2013.

Roundtable panelist, “Scientific Communication: Health Literacy & the Media”, Clinical Research Training Center TL1 Predoctoral Program/Doris Duke Fellowship Program, Washington University School of Medicine, St. Louis, MO, January 24, 2012.

Concepts in Science and Medicine workshop co-leader (with Jacqueline Wu), “Introduction to the Endocrine System”, 71st Annual Conference of the American Medical Writers Association, Jacksonville, FL, October 20, 2011.

Guest lecturer, “Biostatistics & Medical Writing”, Summer Institute for Training in Biostatistics, Washington University School of Medicine, St. Louis, MO, June 16, 2011.

Roundtable panelist, “Health Literacy & the Media”, Clinical Research Training Center TL1 Predoctoral Program/ Doris Duke Fellowship Program, Washington University School of Medicine, St. Louis, MO, February 8, 2011.

Concepts in Science and Medicine workshop co-leader (with Jacqueline Wu), “Introduction to the Endocrine System”, 70th Annual Conference of the American Medical Writers Association, Milwaukee, WI, November 12, 2010.

Essential Skills workshop co-leader (with Thomas Gegeny), “Effectively Searching Online Databases”, 70th Annual Conference of the American Medical Writers Association, Milwaukee, WI, November 12, 2010.

Moderator and panelist, Open Session 12 “Mining the Internet: Essential Sites for Medical Communicators”, 70th Annual Conference of the American Medical Writers Association, Milwaukee, WI, November 11, 2010.

Guest lecturer, “Biostatistics & Medical Writing”, Summer Institute for Training in Biostatistics, Washington University School of Medicine, St. Louis, MO, June 18, 2010.

Panelist, Washington University Postdoc Society, “Careers in Science Writing”, St. Louis, MO, February 12, 2010.

Breakfast roundtable leader, “Top 10 Free Web Sites for Medical Writers”, 69th Annual Conference of the American Medical Writers Association, Dallas, TX, October 24, 2009.

Science Fundamentals Curriculum workshop co-leader (with Jacqueline Wu), “Introduction to the Endocrine System”, 69th Annual Conference of the American Medical Writers Association, Dallas, TX, October 23, 2009.

Endocrine Trainee Day speaker, “Careers in Science Writing”, 91st Annual Meeting of the Endocrine Society, Washington, DC, June 9, 2009.

Breakfast roundtable leader, “Top 10 Free Web Sites for Medical Writers”, 68th Annual Conference of the American Medical Writers Association, Louisville, KY, October 23, 2008.

Core Curriculum workshop co-leader (with Thomas Gegeny), “Effectively Searching Online Databases”, 68th Annual Conference of the American Medical Writers Association, Louisville, KY, October 23, 2008.

Coffee and Dessert Klatch leader, “Tennis, anyone?”, 68th Annual Conference of the American Medical Writers Association, Louisville, KY, October 23, 2008.

Alumni speaker, “Adventures in Freelance Medical Writing”, 29th Annual Minisymposium on Reproductive Biology, Northwestern University, Evanston, IL, October 6, 2008.

Breakfast roundtable leader, “Top 10 Free Web Sites for Medical Writers”, American Medical Writers Association Mid-America Chapter Conference, Kansas City, MO, May 3, 2008.

Core Curriculum workshop co-leader (with Thomas Gegeny), “Effectively Searching Online Databases”, 67th Annual Conference of the American Medical Writers Association, Atlanta, GA, October 12, 2007.

Breakfast roundtable leader, “Top 10 Web Sites for Medical Writers”, 67th Annual Conference of the American Medical Writers Association, Atlanta, GA, October 11, 2007.

Panelist, St Louis section of the Society for Technical Communication meeting, “Starting Your Own Technical/Medical Writing Business”, St. Louis, MO, May 31, 2007.

Core Curriculum workshop leader, “Effectively Searching Online Databases”, American Medical Writers Association Mid-America Chapter Conference, St. Luke’s Conference Center, St. Louis, MO, March 24, 2007.

Core Curriculum workshop co-leader (with Thomas Gegeny), “Effectively Searching Online Databases”, 66th Annual Conference of the American Medical Writers Association, Albuquerque, NM, October 27, 2006.