



Guinevere A. Murphy, PhD

Murphy Medical Writing LLC, Owner and Principal

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Overview

- ❖ Author, co-author, edit and/or review clinical, nonclinical, regulatory documents; peer-reviewed journal articles; briefing documents
- ❖ PhD in biochemistry from the University of Colorado at Boulder, with certificate in molecular biophysics
- ❖ Skilled and experienced with data analysis, medical statistics
- ❖ Deadline- and service-oriented
- ❖ Consciously foster positive and productive team relationships
- ❖ *Keywords: Medical writing; study monitoring; project management; regulatory approval packages and summaries (eCTD, NDA, ISS, ISE, SCE, SCS); CSRs; NCSRs; patient narratives; cardiology; oncology; biochemistry; immunology; women's health*

Professional Experience

Freelance Medical Writer, Westminster, CO

July 2013 – present

Published a variety of shorts, feature article. Wrote an Investigator brochure for a drug to treat atrial fibrillation in heart failure patients.

R&D/Preclinical Scientist, ARCA biopharma, Inc., Broomfield CO

August 2010 – June 2012

Prepared reports, presentations, due diligence as needed for out-licensing of early to late stage research assets in collaboration with business development. Sponsor contact or sponsor's study monitor for nonclinical studies.

Medical Writer, ARCA biopharma, Inc., Broomfield CO

November 2006 – August 2010

- ❖ NDA submission: writing and editing of clinical and preclinical summary documents for heart failure drug bucindolol-HCl electronic NDA submission; safety narratives; responses to FDA in defense of NDA
- ❖ Clinical study reports: sponsor contact for report completion including content review and edits
- ❖ Nonclinical study reports: content review, QC
- ❖ Grant writing
- ❖ Scientific publications: first author on 2 clinical reviews, heavy content/research involvement in 3 original clinical research articles
- ❖ *Project management:* Prepared team and materials for potential FDA advisory committee meeting; managed QC review of eCTD submission
- ❖ *German translation:* Translated scientific journal articles from German into English

Postdoctoral Fellow, Howard Hughes Medical Institute, Denver CO

August 2003 – October 2006

- ❖ Advisor: Dr. John Kappler
- ❖ Structural and biochemical characterization of beryllium (Be) recognition by MHC class II and Be-dependent T cell receptors in chronic beryllium disease; biochemical characterization and crystallographic studies of p53 in direct activation of mitochondrial death pathway in T cells; MHC Class II peptide discovery using baculovirus insect cell library; generated monoclonal antibodies to p53 epitopes in the hamster

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- ❖ Flow cytometry; ELISA, baculovirus protein expression and purification; Western blot; X-ray crystallography (molecular replacement)

Education

PhD, Biochemistry, University of Colorado Boulder

August 1997–March 2003

- ❖ Advisor: Dr. Steve Schultz, 1998-2000, Dr. Lin Chen, 2000-2003. Thesis project completed under direction of Dr. Chen after Dr. Schultz career change
- ❖ Recombinant protein expression and purification; bacterial cloning; inclusion body preparation; FPLC; HPLC; X-ray crystallography; MALDI-TOF mass spectrometry

Bach Sci, Chemistry, University of Illinois Urbana-Champaign

August 1992–December 1996

- ❖ Thesis: "Protein folding studies of cytochrome c using its cold denaturation properties." Advisor: Dr. Martin Gruebele, 1995-1997
- ❖ Graduation with highest distinction (GPA 3.6 / 4)
- ❖ Austria-Illinois Exchange Program, 1994-1995

Selected Publications and Presentations

1. **Murphy GA.** Structural Racism and the Unfulfilled Promises of Personalized Medicine. Roundtable discussion: 2016 American Medical Writers Association Medical Writing and Communication Conference; October 7, 2016; Denver, CO. <http://www.amwa.org/Files/Events/2016/AMWA2016ConferenceProgram.pdf>
2. **Murphy GA.** Spotlight article: Shocking Maternal Mortality in Colorado. *Colorado Religious Coalition for Reproductive Choice newsletter*. September 2016. <https://corcrc.org/newsletter/september-newsletter/spotlight-article/>
3. **Murphy GA.** Spotlight article: BC4U Provides Teens Free Healthcare in Denver. *Colorado Religious Coalition for Reproductive Choice newsletter*. June 2016. <https://corcrc.org/newsletter/may-newsletter-2016/bc4u/>
4. **Murphy GA.** Birth options limited when baby is breech. *Birth Issues*. Spring 2015;XXIX(2):38-41. <https://birthissues.files.wordpress.com/2015/03/1503-birthissues-spring2015-interior-web.pdf>
5. **Murphy GA.** My Town: Darling Doubles offers support to parents of multiples in Broomfield area. *Broomfield Enterprise*. June 27, 2014. http://www.broomfieldenterprise.com/home-life/ci_26048561/my-town-darling-doubles-offers-support-parents-multiples
6. **Murphy GA.** Does Feminism Overlook Motherhood for Abortion Rights? *Sexy Feminist*. February 23, 2013. <http://sexyfeminist.com/2013/02/23/does-feminism-overlook-motherhood-for-abortion-rights>
7. Kao DP, Davis G, Aleong R, O'Connor CM, Fiuzat M, Carson PE, Anand IS, Plehn JF, Gottlieb SS, Silver MA, Lindenfeld J, Miller AB, White M, **Murphy GA**, Sauer W, Bristow MR. Effect of bucindolol on heart failure outcomes and heart rate response in patients with reduced ejection fraction heart failure and atrial fibrillation. *Eur J Heart Fail*. 2013 Mar;15(3):324-33.
8. Aleong RG, Sauer WH, Sauer WH, **Murphy GA**, Port JD, Anand IS, Fiuzat M, O'Connor CM, Abraham WT, Liggett SB, Bristow MR. Prevention of atrial fibrillation by bucindolol is dependent on the beta \square 389 Arg/Gly adrenergic receptor polymorphism. *JACC Heart Fail*. 2013 Aug;1(4):338-44.

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9. O'Connor CM, Fiuzat M, Carson PE, Anand IS, Plehn JF, Gottlieb SS, Silver MA, Lindenfeld J, Miller AB, White M, Walsh R, Nelson P, Medway A, Davis G, Robertson AD, Port JD, Carr J, **Murphy GA**, Lazzeroni LC, Abraham WT, Liggett SB, Bristow MR. Combinatorial pharmacogenetic interactions of bucindolol and β_1 , α_2C adrenergic receptor polymorphisms. *PLoS One*. 2012;7(10):e44324.
10. **Murphy GA**, Fiuzat M, Bristow MR. Targeting heart failure therapeutics: a historical perspective. *Heart Fail Clin*. 2010 Jan;6(1):11-23.
11. Bristow MR, **Murphy GA**, Krause-Steinrauf H, Anderson JL, Carlquist JF, Thaneemit-Chen S, Krishnan V, Abraham WT, Lowes BD, Port JD, Davis GW, Lazzeroni LC, Robertson AD, Lavori PW, Liggett SB. An Alpha_{2c}-Adrenergic Receptor Polymorphism Alters the Norepinephrine Lowering Effects and Therapeutic Response of the Beta Blocker Bucindolol in Chronic Heart Failure. *Circ Heart Fail*. 2010 Jan;3(1):21-8.
12. Dai S, **Murphy GA**, Crawford F, Mack DG, Falta MT, Marrack P, Kappler JW, Fontenot AP. Crystal structure of HLA-DP2 and implications for chronic beryllium disease. *Proc Natl Acad Sci U S A*. 2010 Apr 20;107(16):7425-30.
13. Peyerl FW, Dai S, **Murphy GA**, Crawford F, White J, Marrack P, Kappler JW. Elucidation of some Bax conformational changes through crystallization of an antibody-peptide complex. *Cell Death Differ*. 2007 Mar;14(3):447-52.
14. **Murphy GA**, Spedale EJ, Powell ST, Pillus L, Schultz SC, Chen L. The Sir4 C-terminal coiled coil is required for telomeric and mating type silencing in *Saccharomyces cerevisiae*. *J Mol Biol*. 2003 Dec 5;334(4):769-80.
15. **Murphy GA**. Crystallographic and functional characterization of *Saccharomyces cerevisiae* silent chromatin regulator Sir4p C-terminal coiled coil domain [dissertation]. University of Colorado, Boulder; 2003.
16. Lizzio A, **Murphy GA** "Preparation of activated char for combined SO₂/NO_x Removal," Proceedings of the Twenty-Third Biennial Conference on Carbon. 1997;356.

Selected Courses (non-degree)

Writing a Protocol in Compliance with ICH Guidelines (2016)

2016 American Medical Writers Association Medical Writing and Communication Conference; October 5, 2016; Denver, CO. Workshop.

Clinical Study Report Writing: From Tables, Listings, and Graphs to Text (2016)

2016 American Medical Writers Association Medical Writing and Communication Conference; October 5, 2016; Denver, CO. Workshop.

Feature Articles (2013)

Gotham Writers Workshop. A ten week writing workshop in which students produce two feature articles, and critique other participants' work.

Introduction to Communications Science (2013)

University of Amsterdam. An eight-week massive open online course (MOOC). Certificate of completion obtained.

Nonfiction 101 (2012)

Gotham Writers Workshop. A six week writing workshop introducing students to five common

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nonfiction genres.

Clinical Trial Management, FDA Requirements and GCP Workshop (2011)

Colorado State University/University of Colorado Denver. Two-day workshop.

Drug Metabolism [Biol-40170] (2010)

University of California San Diego Extension. 9 week online lecture series.

Good Laboratory Practices [VMLL 4010] (2010)

Colorado State University. Ten week guest lecturer series.

Preclinical Aspects of Product Translation (2010)

Colorado State University/University of Colorado Denver. One-day workshop.