

**\*Stephen X. Arthur, B.Sc., M.F.A., M.Sc.**(neurophysiology)

2351 Palmerston Ave, West Vancouver, V7V 2W2 sxarthur@shaw.ca [sxa-portfolio.com](http://sxa-portfolio.com) 604-926-9787

## Scientific Medical Writer & Editor



I help overloaded clinicians and biomedical researchers to communicate their findings and obtain funding for new research.

With minimal guidance, I deliver comprehensively structured, polished manuscripts that are optimized for impact (along with thorough explanatory comments).

In the fierce competition for grants, I practice the art of creating an alluring and scientifically sound grant proposal, ensuring that the quality of the writing does not prevent the application from being funded.

### Selected Contracts

#### **Rancho Los Amigos National Rehabilitation Center**

(Los Angeles) Helped obtain \$165,000 in quality-of-life program grants. Ensured the prompt publication of research results that had been languishing for years. Maximized the impact of research grant proposals, fact sheets for web publication, and a guest editorial. Evaluated foundations and tailored letters of intent. Rancho is a large medical center ranked as one of America's "Best Hospitals" for rehabilitation and is associated with the University of Southern California Keck School of Medicine. Clients: (1) neurologist Mindy Aisen, Chief Medical Officer and Principal Investigator at Spinal Cord Injury Model Systems; (2) cardiologist Yaga Szlachcic, Chair of the Department of Medicine. *I have been impressed with Stephen's abilities to comprehend and express complex scientific findings. He is meticulous and detail oriented. He has initiative and drive to help you succeed. I highly, highly recommend Stephen for any scientific writing.* — Yaga Szlachcic. Sept. 2012 to present

#### **BC Cancer Agency Research Centre** (Vancouver)

On short notice, researched, designed, and wrote a proposal on cancer genomics for Dr. Samuel Abraham, VP Research. March 2012

#### **McGill University Health Centre - Research Institute**

(Montreal) Provided substantial rewriting for a journal review article on subcellular injuries in Alzheimer's disease co-authored by Vassilios Papadopoulos, DPharm, PhD, Canada Research Chair in Biochemical Pharmacology, Executive Director of MUHC Research Institute. Also designed cellular-signaling illustrations to help readers quickly grasp the theoretical concepts. Combining writer and illustrator saves much time for the author. March 2012

#### **New York University – Bluestone Center for Clinical Research and the Translational Cancer Pain Laboratory**

Was on the leading edge of writing for the NIH's newly introduced R01 short-form application—one NIH reviewer "found this application to be extremely well-written and understandable." Provided extensive rewriting for an ESL PI that revealed the brilliance of her work hidden within her original drafts. Wrote extensive sections of topical review articles from assigned literature searches. Created illustrations of hypothesized cell-signaling mechanisms (design to finish). Generally, contributions included uncovering facts, seeing new connections, and giving a fresh analytical perspective that was invaluable to the client. *Subjects:* endogenous molecular mediators of cancer pain, peripheral nociception, epigenetics, genomic and signaling pathways, regulation of receptor expression, endothelin and endocannabinoid receptors, surgical and molecular interventions, behavioral animal models, and pre-clinical and clinical translational research for development of novel analgesic drugs. *Stephen has done a masterful job. Consider me thoroughly impressed.* — Brian Schmidt, MD, PhD, Director, Bluestone Center. June 2010 to May 2012

#### **NYU College Of Dentistry**

Drafted a polished topical review article, based on suggested citations, evaluating research on the heritability of microbial resistance to oral disease. Client was an ESL author and administrator who would never have had the time to do this herself. May 2012

#### **University of California, San Francisco – Faculty of Medicine**

Provided substantive editing for journal review articles and primary research manuscripts (preclinical and clinical), developed content for grant applications, and designed clear conceptual illustrations of hypothesized

cell signaling pathways. Subject area was cancer pain.  
February–June 2010

**ImageMaker: New Media for the Resource Sector** (Vancouver) Consulted with mining-exploration company executives to effectively portray the right story to investors by way of video scripts for corporate documentaries. 2005–2007

**National Film Board of Canada** (Vancouver)  
Developed a scientific-visualization project for schools—\$80,000 development budget. Researched the subject matter in depth (historical geology), wrote scripts, conducted market research, and evaluated production software and processes. *Stephen was a catalyst for consensus building and teamwork between creative and technical contributors, delivering results ahead of schedule.* — George Johnson, Producer, NFB. 1998-2000

**Science World BC** (Vancouver)  
Collected, interpreted, and summarized stories for an interactive kiosk on the history of science. Contract 1993

**B.C. Medical Association** (Vancouver)  
Wrote a press release, *World's Deadliest Poison Used for Revolutionary Therapies*, for Dr. Jean Carruthers.

**Science textbook (*From Above the Web*)**  
Commissioned to write, with co-author Lorne Whitehead (recently Vice President Academic at UBC), a 400-page college-level general science textbook based on flowcharts that show the logical and historical relationships between major concepts. Covered sub-atomic physics, chemistry, and biology. Unpublished. Federal grant.

### *Other relevant experience*

**Graduate research in neuroscience**  
Performed receptor binding assays to identify a neurotransmitter. Presented at poster sessions at UBC Dept. Ophthalmology and Society for Neuroscience Annual Meeting in New Orleans.

**Undergraduate thesis in zoology**  
Wrote an original monograph entitled *Toward a Complete Synthetic Theory of Evolution*.

**Arts grants**  
Developed and wrote successful film-production grants totaling over \$215,000.

### *Technical writing contracts*

**AeroStrategies Limited** (Vancouver)  
Edited, rewrote, illustrated, designed, and produced a 200-page forensic engineering report for an aviation consulting company. January–May 2013

**Impact BC—Practice Support Program, an alliance between BC Ministry of Health Services, BCMA, and regional health authorities** (Vancouver)

Originated a series of training guides to help family physicians be proactive in managing care for patients with chronic conditions. A subsequent survey of the program showed a positive impact on both patient care and physician satisfaction. 2006–2008

**B.C. Hydro • BC Mineral, Oil and Gas Revenue Branch • BC Transmission Corporation • IMT Image & Microscope Technology • CHC Helicopter Global Operations • McDonald Dettwiler and Associates • Glenayre Electronics • Richmond Fire-Rescue • Hughes Canada Systems Division • Spectrum Signal Processing • B.C. Ministry of Forests • E-Comm 9-1-1** (Vancouver)

Developed and wrote instructions and training-program information in clear, plain English, carefully designed to be concise, comprehensive, easily usable by the target audience, and complying with regulations. In these ways I helped increase sales and implement practices and processes. 1984 to 2008

**Corporate documentaries and training videos for various clients, including BC Cancer Agency and BC Children's Hospital** (Vancouver)

As an expert video script writer, designed image and sound to work together for optimal impact and comprehension. 1985-1995

### *Education*

**Master of Science** (Physiology/neuroscience)  
University of British Columbia, Vancouver

**Master of Fine Arts** (Film production/screenwriting)  
University of Southern California, Los Angeles

**Bachelor of Science** (Zoology)  
University of British Columbia, Vancouver

### *Writing samples, C.V., & testimonials*

[www.sxa-portfolio.com](http://www.sxa-portfolio.com)

[www.linkedin.com/in/stephenxarthur](http://www.linkedin.com/in/stephenxarthur)

[www.sxa-portfolio.com/scientific\\_writer\\_testimonials.html](http://www.sxa-portfolio.com/scientific_writer_testimonials.html)

### *Scientific publications*

*Proteomics Clinical Applications; Molecular Cancer Therapeutics; Head and Neck; Molecular Interventions; CNS & Neurological Disorders Drug Targets; JNCI Monographs* (Journal of the National Cancer Institute); *Topics in Spinal Cord Injury Rehabilitation*.

### *Member*

• American Medical Writers Association • Society for Technical Communication • Mensa