

Shirley Markant, PhD

Freelance Medical Writer

Engaging the medical community through excellence in writing. Experienced writer with a deep background in biomedical writing, research and drug development and a passion for advancing disease treatment through clear and effective communication.

PROFESSIONAL EXPERIENCE

Markant Medical Communications, Ithaca, NY — Freelance Medical Writer

MARCH 2018 – FEBRUARY 2019, PRESENT

- ★ Creating clear and concise medical communication materials, including needs assessments, abstracts, slide decks, posters, manuscripts, grants, and research reviews.
- ★ Editing and fact-checking of scientific and medical manuscripts across a variety of therapeutic areas.
- ★ Ability to present clinical and scientific data to diverse audiences.

Vindico Medical Education, Thorofare, NJ— Associate Director, Medical Education

FEBRUARY 2019 – DECEMBER 2019

- ★ Crafted succinct and comprehensive needs assessments for continuing medical education grant proposals, with grants awarded across a range of therapeutic areas, including oncology, dermatology, gastroenterology, cardiology, and pulmonology.
- ★ Performed thorough analyses of gaps in clinician education and competence based on review of literature, surveys, and prior outcomes reports.
- ★ As a fully remote employee, effectively communicated within and across teams to transfer medical research knowledge gained during grant development.

Cornell University, Ithaca, NY — Research Associate, Department of Clinical Sciences

FEBRUARY 2017 - AUGUST 2018

- ★ Collaborated with a diverse array of clinical and basic researchers to identify novel approaches to treating canine and human lymphomas.
- ★ Presented research updates to audiences of differing knowledge levels.
- ★ Mentored undergraduate students and junior scientists.

Pfizer, Inc., Pearl River, NY — Senior Scientist, In Vivo Pharmacology

OCTOBER 2015 - JANUARY 2017

- ★ Managed a team of scientists responsible for evaluating immune system modulators as anti-cancer therapies.
- ★ Utilized adoptive transfer of T cells isolated from healthy human donors into tumor-bearing mice to assess a portfolio of bispecific antibody therapeutics.
- ★ Interacted with broader multidisciplinary teams to execute complex *in vivo* projects within defined time frames.
- ★ Communicated frequent project status updates to team leaders to ensure optimal decision-making and rapid advancement of potential therapies.

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EDUCATION

Duke University

PhD, Molecular Cancer Biology

January 2013

Cornell University

B.A., Cell & Molecular Biology

May 2001

SERVICES

Continuing Medical Education -
Needs Assessments, Program
Development

News and Feature Articles

Manuscripts and Review Articles

Abstracts

Slide Presentations

Posters

Grants

Newsletters

Fact-Checking

Copyediting

WEBSITE

www.markantmedical.com

Pfizer, Inc., Pearl River, NY — *Postdoctoral Fellow, Oncology Research Unit*

OCTOBER 2013 - OCTOBER 2015

- ★ Prepared written reports and oral presentations to provide the departmental team and leadership with project status updates.
- ★ Investigated epigenetic-mediated mechanisms of resistance to therapy in lung and breast cancer using CRISPR-mediated gene modulation and small molecule approaches.
- ★ Defined the tumorigenic potential of subpopulations of cells from patient-derived xenografts of human colorectal cancer.

American Journal Experts, Durham, NC — *Senior Editor, Contractor*

OCTOBER 2010 - OCTOBER 2013

- ★ Edited grammar and language in scientific manuscripts written by non-native English speakers.
- ★ Provided summary reports to inform clients of editing changes made and best practices in writing.
- ★ Improved the ability of authors to effectively communicate their results, enabling publication in leading scientific and medical journals.

Duke University, Durham, NC — *PhD Candidate, Department of Pharmacology and Cancer Biology*

AUGUST 2006 - JANUARY 2013

- ★ Effectively communicated research proposals and results through manuscripts, literature reviews, grant proposals, poster presentations, and oral slide presentations.
- ★ Mentored 3 research technicians and 1 undergraduate student, supporting their growth as scientists.
- ★ Used genetically engineered mouse models, lentiviral-mediated gene delivery, and small molecule approaches to identify potential therapeutic targets in tumor-propagating cells from medulloblastoma, a type of pediatric brain tumor.
- ★ Generated medulloblastoma patient-derived xenografts and used them to perform preclinical studies in specific tumor subtypes.
- ★ Utilized immunohistological analyses of genetically engineered mouse models to define molecules required for the migration of granule neuron precursors during postnatal cerebellar development.

AVEO Oncology, Cambridge, MA — *Senior Research Associate, Target Validation/Target Biology*

AUGUST 2002 - AUGUST 2006

- ★ Validated potential cancer therapeutic targets using RNAi approaches in a panel of >100 cancer cell lines.
- ★ Optimized bioluminescence imaging strategies to evaluate the *in vivo* role of potential targets.
- ★ Investigated the role and signaling capacity of a tyrosine kinase receptor of unknown function in cancer; identified PI3K pathway activation as a mechanism for tumor resistance to HER2-targeted therapy; developed target biology-directed assays for advancing therapeutic antibodies against Notch receptors.
- ★ Prepared slide presentations to provide research updates to various project teams.

Harvard Medical School, Boston, MA — *Research Assistant/Lab Manager, Department of Cell Biology*

JUNE 2001 - AUGUST 2002

- ★ Characterized products of substrate cleavage by the aminopeptidase ERAP1 using HPLC.
- ★ Studied the role of the ubiquitin ligase Nrdp1 and its substrate BRUCE/appollon.
- ★ Managed lab maintenance activities for a lab of approximately 20 scientists.

THERAPEUTIC AREAS

(include but not limited to)

Oncology

Immuno-Oncology

Hematology

Neurology

Pulmonology

Preclinical Sciences

Others