

Valerie Bentivegna, Ph.D.

SCIENCE COMMUNICATOR · BIO-ENGINEER

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Science Writing, Education & Communication

Science & Medical Writer

Seattle

COGNITION STUDIO

Feb. 2021 - PRESENT

- Content strategy and creation for a variety of clients in the biotech and pharmaceutical industry.
- Projects include writing for social media, website copy, and script writing for science animations.

Freelance Science Writer

Seattle, WA

VARIOUS ORGANIZATIONS

Apr. 2019 - Jan. 2021

- **Inking Science:** Short stories and anecdotes to accompany inked drawings of scientists, engineers and inventors.
- Researcher/Writer for **Physics Girl (Youtube)**
- Blogger for **Decafino**

Science Educator (Informal)

Various Locations

VARIOUS ORGANIZATIONS

Jan. 2019 - Jun. 2020

- Pacific Science Center, Seattle (2019-2020): Operations Lead for Camps for Curious Mind; Facilitator for birthday parties and events; Curriculum writer for virtual camps.
- Braindrops LLC/BEAM Experiences, Seattle (2019-2020): LEGO Technic and MindStorms NXT teacher.
- Edinburgh International Science Festival, UK (2018): Experience Guide at Careers Hive; Workshop Leader at CyberQuest.

Research and Lab Experience

Consultant (Science Researcher)

Woodinville, WA

NORTIS BIO

Dec. 2019 - Dec. 2020

- Development of 3D tissue models using Nortis' microfluidic Organ-On-Chip platform
- Researching, editing and proofreading for NIH grant application

Research Associate

Seattle, WA

POLYDROP, LLC

Nov. 2018 - Jul. 2019

- Product optimization: conductive polymer coatings for industrial applications
- Successfully developed a novel process to coat inorganic particles for use as rubber additives

Education

PhD in Life Sciences

Dundee, UK

UNIVERSITY OF DUNDEE

2014-2019

- Marie Skłodowska-Curie Actions Initial Training network – PHOQUS project (Photonic tools for quantitative imaging in cells and tissues)
- Project title: The biomechanical properties of epithelial cells and tissue in two and three dimensions
- Explored different computational and experimental techniques to characterize the mechanical properties of 3D tissue models
- Set up interdisciplinary collaborations with other scientists and researchers

Master of Science in Nanoscience and Nanotechnology

Leuven, Belgium & Grenoble, France

KULEUVEN & UJF GRENoble

2011-2014

- Graduated *Magna Cum Laude* and received professional title "Ingenieur" (Engineer)
- Labwork for Master thesis carried out at ESRF (European Synchrotron Radiation Facility, Grenoble, France)
- Project title: Theranostic use of gadolinium nanoparticles on 9L glioma tumor model; study of the intratumoral distribution of the nanoparticles and its relationship with survival efficiency

Bachelor of Science in Bioscience Engineering

Leuven, Belgium

KULEUVEN

2008-2011

- Graduated *Cum Laude*

Skills

Languages English (native), Dutch (native), French (intermediate)

Computer skills Microsoft Office Suite, MATLAB, R, ImageJ, FIJI, LaTeX, Python

Other Science Comedy, Canva, 3D Printing (Prusa)