TERRI L. GILBERT, PH.D. **ENGAGEMENT DIRECTOR | SCIENCE COMMUNICATIONS**
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PROFESSIONAL SUMMARY

Experience Educating Diverse Audiences on Large, Complex Platforms in Academic / Industry Environments

Enthusiastic and effective scientific educator in the life sciences with a proven record of facilitating and building excellent working relationships across teams and with external collaborators. Talented public-speaker providing trainings to groups ranging from 40-300 people with diverse background disciplines. Technically savvy with the ability to quickly learn new tools and applications and to delivery trainings in a clear, concise, and highly comprehensive manner. Highly organized with the ability to manage multiple projects through completion under strict deadlines. Passionate, curious approach to multifaceted scientific topics, specifically in neuroscience, data science, collaboration, and innovation.

Areas of expertise:

- Application Science
- Learning & Development
- Technology Implementation
- Leadership
- Client Relationship Building
- Workshop & Collateral Development
- Team Training & Leadership
- Executive-Level Presentations
- Scientific Content Creation

PROFESSIONAL EXPERIENCE

DIRECTOR, EDUCATION & DISCOVERY, 2020 – 2022 | Exaptive, Oklahoma City, OK (Remote)
Exaptive has created the Cognitive City, a platform based on a modified graph database that is designed to map disparate data as well as social science data to visualize your wicked problem. Using a patented recommendation engine, this SaaS platform can find unique and innovative solutions based not only on what is similar, but on concepts with complementary differences.

- Built out the platform (Modeled, entered data, provided unique data visualizations) for global clients in the academic, non-profit, governmental, and for-profit industries.
- Provided customized education and consultation to clientele designed to forward their specific goals by mining data from their own or open data sources to discover innovative solutions and collaborations.

ENGAGEMENT DIRECTOR, BRAIN COMMONS 2017- 2020 | Cohen Veterans Bioscience, Cambridge, MA (Remote)
Created, from the ground up, a next generation digital platform for the translational brain health community designed to forward understanding of the brain in health and disease for the scientific and clinical communities.

- Provided cross-functional and cross-discipline team (both internal and external) leadership to build a seamless and intuitive user interface.
- Managed both the website development as well as the platform technical and scientific specifications based on customer feedback.

APPLICATION SCIENTIST, 2010 – 2017 | Allen Institute for Brain Science, Seattle, WA
Orchestrated full cycle user training and outreach efforts for the world's largest brain atlas database, the Allen Brain Atlas. Conceptualized, created, and deployed live trainings to global audiences of varying technical and non-technical backgrounds. Executed scientific writing and research to support data and informatics tools.

- Designed and delivered 200+ global on-site workshops.
- Drove training delivery excellence by creating robust feedback mechanisms and a suite of standalone learning applications, including webinars, video tutorials, and hands-on workshop lectures.
- Managed and coached representatives across technical, scientific, and marketing teams to produce quality and accurate content and support under strict deadlines.

EVENT AND PROGRAM MANAGER, 2007 – 2010 | Landmark Worldwide, Seattle, WA
Oversaw operational lifecycle and project processes for full suite of 22 programs per year. Recruited, trained, and led teams of up to 30 volunteer personnel. Created and disseminated key fulfillment collateral in line with company policies and training

standards. Built positive relationships with program participants through responsive communications and issue resolution.

- Enhanced program participant experience via professional, consistent coaching.

SCIENTIFIC EDITOR, 2005 – 2006 | LifeSpan BioSciences, Seattle, WA
Collaborated with physicians, technicians, and imagers to generate factual, accurate histological reports. Worked across various teams, including pathology, laboratory, and IT to ensure timely and precise publication of service and/or subscription reports.

- Subject matter expert in scientific and grammatical integrity.
- Expertly leveraged and navigated complex proprietary publishing software.

SENIOR FELLOW, 2002 – 2004 | University of Washington, Department of Pharmacology, Seattle, WA
Executed design, experimentation, presentation, and publication of content focused on defining biochemical mechanisms behind opioid receptor-related behaviors. Trained and directed undergraduate and graduate students in experimental design, implementation, and documentation.

- Used Molecular Biological techniques to develop antibodies to phosphorylated receptors for use in confocal microscopy.
- Drove 100% health and safety compliance for use of radioactive compounds in laboratory.
- Funded through NIH Individual NRSA award.

*Additional experience included roles as **Freelance Science Writer** for various organizations, **Research Scientist** at Regenesis Biomedical Inc., and **Research Assistant / Post-Doctoral Fellow** at the University of New Mexico Health Sciences Center.*

EDUCATION

Doctor of Philosophy, Biomedical Sciences, University of New Mexico School of Medicine, Albuquerque, NM
Bachelor of Science, Physics, Environmental Science minor, New Mexico Institute of Mining and Technology, Socorro, NM

COMMUNITY ENGAGEMENT & VOLUNTEER WORK

Sigma-Pi-Sigma Adopt a Physicist, 2020- present
Bike Delivery, West Seattle Food Bank, 2021 – present
Soprano, West Seattle Threshold Singers, 2019 – present
Mentor, Washington Skills that Shine, 2016 – 2017
Science Communication Fellow, Pacific Science Center Science, 2013 – 2016
Soprano, St. James Cathedral Choir & Women of St James Schola, Seattle, WA 2005 – 2021
Organizer and Founder, Seattle Science Café, Science on Tap, 2004 – 2007

PUBLICATIONS

Select Peer Reviewed Journal Articles:

SEJ de Vries, JA Lecoq, MA Buice, PA Groblewski, GK Ocker, M Oliver, ... **TL Gilbert**, … A large-scale standardized physiological survey reveals functional organization of the mouse visual cortex Nature Neuroscience 1-14, 2019.

TL Gilbert. The Allen Brain Atlas as a Resource for Teaching Undergraduate Neuroscience The Journal of Undergraduate Neuroscience Education, 16 (3), A261-267, 2018.

TL Gilbert, L Ng. The Allen Brain Atlas: toward understanding brain behavior and function through data acquisition, visualization, analysis and integration *Molecular-Genetic and Statistical Techniques for Behavioral and Neural Science* Academic Press. Pp 51-72, 2018.

JA Miller, A Guillozet-Bongaarts, LE Gibbons, N Postupna, A Renz, … **TL Gilbert**, … Neuropathological and transcriptomic characteristics of the aged brain. eLife. 6:e31126, 2017.

TE Bakken, JA Miller, SL Ding, SM Sunkin, KA Smith, L Ng, A Szafer, ... **TL Gilbert**, … A comprehensive transcriptional map of primate brain development Nature 535 (7612), 367-375, 2016.

M Hawrylycz, C Anastassiou, A Arkhipov, J Berg, M Buice, N Cain, ... **TL Gilbert**, … Inferring cortical function in the mouse visual system through large-scale systems neuroscience Proceedings of the National Academy of Sciences 113 (27), 7337-7344, 2016.

SM Sunkin, L Ng, C Lau, T Dolbeare, **TL Gilbert**, CL Thompson. Allen Brain Atlas: an integrated spatio-temporal portal for exploring the central nervous system Nucleic Acids Research 41 (D1): D996-D1008, 2013.

S Ball, **TL Gilbert**, CC Overly. The Human Brain Online: An Open Resource for Advancing Brain Research PLOS Biology 10 (12), e1001453, 2012.

M Petraschka, S Li, **TL Gilbert**, RE Westenbroek, MR Bruchas, S Schreiber, J Lowe, MJ Low, JK Pintar, C Chavkin. The Absence of endogenous β-endorphin selectively blocks phosphorylation and desensitization of mu opioid receptors following partial sciatic nerve ligation Neuroscience 146(4), pp1795-1807, 2007.

M Petraschka, **T Gilbert**, R Westenbroek, S Li, C Chavkin. Endogenous β-endorphin selectively activates and induces the phosphorylation of mu opioid receptors in striatum The Journal of Pain 6 (3), S8, 2005.

TL Gilbert, N Griffin, J Moffett, MC Ritz, FR George. Provant - Wound Closure System Induces the Activation of p44/42 MAP Kinase in Normal Human Cultured Fibroblasts Ann NY Acad Sci, 961(1), pp. 168-171, 2002.

TL Gilbert, TA Bennett, DC Maestas, DF Cimino, ER Prossnitz. Internalization of the N-formyl peptide receptor occurs via clathrin-independent mechanisms Biochemistry, 40(12): 3467-75, 2001.

TL Gilbert, ER Prossnitz, LA Sklar. The Uncoupled State of the Human Formyl Peptide Receptor Journal of Receptor and Signal Transduction Research, 19(1-4): 327-340, 1999.