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**Professional Experience:**

**Principal, Catalysis Biomed, LLC, Seattle, WA.** 1997–present. Comprehensive editorial services for the biomedical sciences.

*Editing* services include copyediting; substantive/line editing; content editing; editing of figures, tables, and graphs; proofreading; journal format/style; quality control/fact-checking; reference accuracy; and source document annotation.

*Editorial* services include journal manuscript services for authors (presubmission reviews, identification of target journals, manuscript submission, aid with peer review process); creation of style guides; support for online platforms (eg, medical professional certification examinations, biomedical education materials); and editorial support for IBM Watson (training).

*Writing* services include literature research; rewriting; writing; creation of figures, tables, and graphs; creation of evidence table listings (AMCP dossier); and referencing.

*Types of documents* include basic and clinical research journal manuscripts and review articles; systematic reviews and meta-analyses; formulary submission dossiers (AMCP); global value dossiers; regulatory documents (NDA); FDA briefing documents; white papers; clinician reference/education/certification materials; patient education materials; undergraduate/graduate education materials; grant applications; books/book chapters; slide decks; meeting abstracts; posters; and websites.

Extensive experience working with non-native English speakers (ESL).

Specialties include neuroscience, pharmacology, cell biology, molecular biology, pathology, anatomy, and developmental biology.

**Managing Editor.** LifeSpan BioSciences, Inc., Seattle, WA. 2002–2004. Coordinated the efforts of a team of editors and pathologists for the generation and release of contract and database immunohistochemistry and pathology reports.

**Bioinformatics Scientist.** LifeSpan BioSciences, Inc., Seattle, WA. 2001–2002. Designed peptides and performed homology searches for antibody generation. Created text for and maintained pages for LifeSpan's annotated gene database.

**Manager, Editing and Imaging Divisions.** LifeSpan BioSciences, Inc. Seattle, WA. 1999–2001. Managed a team of editors and imagers to provide pathology analysis of digitized microscopic images of human tissues stained for immunohistochemistry. Provided editing of contract and database reports.

**Manager, Tissue Bank and Histology Divisions.** LifeSpan BioSciences, Inc. Seattle, WA. 1999–2001. Managed a team of technicians and histotechnicians to provide human tissues, tissue sections, and tissue stains for pathology analysis.

**Postdoctoral Fellow.** Department of Pharmacology. University of Washington. Seattle, WA. 1993–1999. Performed independent basic research on adenylyl cyclase and GAP-43/neuromodulin proteins. Authored 7 articles published in peer-reviewed journals. Authored and received funding for 2 postdoctoral research grants. Supervised undergraduate student projects.

**Certification:**

Editor in the Life Sciences (ELS), Board of Editors in the Life Sciences, 2007  
American Medical Writers Association Core Certificate in Pharmaceutical Writing, 2009

**Memberships & Service:**

American Medical Writers Association (Secretary, Northwest Chapter, 2011–2013)  
Board of Editors in the Life Sciences  
Council of Science Editors  
Editorial Freelancers Association  
Freelancers Union  
Northwest Independent Editors Guild

**Education:**

University of North Carolina, Chapel Hill; PhD, Curriculum in Neurobiology, 1987–1993  
Oberlin College, Oberlin, Ohio; BA, Neurobiology, 1981–1985

**Grants:**

Cystic Fibrosis Foundation Postdoctoral Fellowship, 1995–1999  
National Research Service Award Postdoctoral Fellowship, 1993–1995

**Publications:**

Beesley J, Roush C, **Baker L**. High-throughput molecular pathology in human tissues as a method for driving drug discovery. *Drug Discov Today* 2004;9:182–189.

**Baker LP**, Kumar P, Storm DR, Bowden D. Expression of type I adenylyl cyclase in intrinsic pathways of the hippocampal formation of the macaque (*Macaca nemestrina*). *Neurosci Lett* 2001;299:181–184.

Wong ST, **Baker LP**, Trinh K, Hetman M, Suzuki LA, Storm DR, Bornfeldt KE. Adenylyl cyclase 3 mediates prostaglandin E(2)-induced growth inhibition in arterial smooth muscle cells. *J Biol Chem* 2001;276:34206–34212.

**Baker LP**, Nielsen MD, Impey S, Hacker BM, Poser SW, Chan MY, Storm DR. Regulation and immunohistochemical localization of  $\beta\gamma$ -stimulated adenylyl cyclases in mouse hippocampus. *J Neurosci* 1999;19:180–192.

**Baker LP**, Nielsen MD, Impey S, Metcalf MA, Poser SW, Chan G, Obrietan K, Hamblin MW, Storm DR. Stimulation of type 1 and type 8  $\text{Ca}^{2+}$ /calmodulin-sensitive adenylyl cyclases by the  $G_s$ -coupled 5-hydroxytryptamine subtype 5HT<sub>7A</sub> receptor. *J Biol Chem* 1998;273:17469–17476.

Wei J, Zhao AZ, Chan GC, **Baker LP**, Impey S, Beavo JA, Storm DR. Phosphorylation and inhibition of olfactory adenylyl cyclase by CaM kinase II in neurons: a mechanism for attenuation of olfactory signals. *Neuron* 1998;21:495–504.

**Baker LP**, Storm DR. Dynamic palmitoylation of neuromodulin (GAP-43) in cultured rat cerebellar neurons and mouse N1E-115 cells. *Neurosci Lett* 1997;234:156–160.

Stone JS, Leano SG, **Baker LP**, Rubel EW. Hair cell differentiation in chick cochlear epithelium following aminoglycoside toxicity; *in vivo* and *in vitro* observations. *J Neurosci* 1996;16:6157–6174.

**Baker LP**, Peng, HB. Induction of acetylcholine receptor cluster formation by local application of growth factors in cultured *Xenopus* muscle cells. *Neurosci Lett* 1995;185:135–138.

**Baker LP**, Daggett D, Peng HB. Concentration of pp<sup>125</sup> focal adhesion kinase (FAK) at the myotendinous junction. *J Cell Sci* 1994;107:1485–1497.

**Baker LP**, Peng HB. Tyrosine phosphorylation and acetylcholine receptor cluster formation in cultured *Xenopus* muscle cells. *J Cell Biol* 1993;120:185–195.

Peng HB, **Baker LP**, Dai Z. A role of tyrosine phosphorylation in the formation of acetylcholine receptor clusters induced by electric fields in cultured muscle cells. *J Cell Biol* 1993;120:197–204.

**Baker LP**, Chen Q, Peng HB. Induction of acetylcholine receptor clustering by native polystyrene beads: implication of an endogenous muscle-derived signaling system. *J Cell Sci* 1992;102:543–555.

Peng HB, **Baker LP**, Chen Q. Tissue culture of *Xenopus* neurons and muscle cells as a model for studying synaptic transmission; In *Xenopus laevis*: Practical Uses in Cell and Molecular Biology. B.K. Kay and H.B. Peng, Eds. Methods in Cell Biology. Vol. 36. Academic Press, San Diego. 1992, pp.511–526.

Peng HB, **Baker LP**, Chen Q. Induction of synaptic development in cultured muscle cells by basic fibroblast growth factor. *Neuron* 1991;6:237–246.

#### Abstracts:

**Baker LP**, Hinds TR, Storm DR. Palmitoylation of adenylyl cyclase III and IV. *Am Soc Cell Biol Abstr* 1996;7:1581.

**Baker LP**. A role of growth factors and tyrosine phosphorylation during nicotinic acetylcholine receptor cluster formation in cultured *Xenopus laevis* muscle cells. Invited presentation. *Southeastern Regional Meeting of the Society for Developmental Biology*. University of Georgia, Athens, Georgia, 1993.

**Baker LP**, Daggett D, Peng HB. Distribution of pp<sup>125</sup> focal adhesion kinase in *Xenopus* muscle *in vivo* and in culture. *Carolina Conference on Integrins and Cell Signaling*, 1993.

**Baker LP**, Peng HB. Tyrosine phosphorylation at acetylcholine receptor clusters induced by a variety of stimuli in cultured *Xenopus* muscle cells. *Soc Neurosci Abstr* 1991;17:219.

Peng HB, Dai Z., **Baker LP**. A role of tyrosine kinase activation in the formation of acetylcholine receptor clusters induced by electric fields. *Am Soc Cell Biol Abstr* 1991;115:31.

**Baker LP**, Peng HB. Induction of acetylcholine receptor clustering by local application of several growth factors in *Xenopus* muscle cells. *Soc Neurosci Abstr* 1990;16:1004.

Chen Q, **Baker LP**, Peng HB. Mechanism of ACh receptor hot spot formation in cultured muscle cells: role of basic fibroblast growth factor. *Am Soc Cell Biol Abstr* 1990;111:2765.

Peng HB, **Baker LP**. Local application of basic fibroblast growth factor induces postsynaptic development in muscle cells. *Soc Neurosci Abstr* 1990;16:455.

Peng HB, **Baker LP**. Local application of basic fibroblast growth factor induces postsynaptic development in muscle cells. *UCLA Symp Growth Diff Factors Abstr* 1990;14ESuppl:82.