# Joshua Gittelman

## *Professional Goal*

To apply my people skills, problem solving abilities, and my knowledge of data analysis, statistics and programming in a vibrant and productive workplace.

## *Work History*

United Tile
Warehouse
Portland, OR 97210
10/21 - 1/22

Washington State University
Research Scientist
Vancouver, WA 98686
2011 - 2013

University of Texas
Post Doctoral Fellow
Austin, TX 78705
2006 - 2011

University of Washington
Graduate Student
Seattle, WA 98195
1999 - 2005

SEQUUS Pharmaceuticals
Senior Lab Technician, R&D
(Purchased by ALZA Corp, 10/1998)
Menlo Park, CA 94025
1993-1999

Genetech
Lab Technician, Quality Control, Clinical Research
South San Francisco, CA 94080
1991-1993

## *Contact*

Josh
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(503) 430-9201
9215 NW Stark Ct
Portland, OR 97229

## *Skills and Strengths*

over 20 years experience conducting research in both industry and academia (see cv)

- experimental design
- data acquisition and analysis
- public speaking

**Statistics/ Software**
Basic statistics, Igor Pro, Excel, (resúmé made in Python)

**Python examples**

**Python 1: Proposal for United Tile Epicor P21 Custom App**

**Python 2: Hard copy printing/ macOS YouTube tutorial/** **GitHub**

## *Education*

Cornell University
Ithaca NY, 14850
B.A., Neurobiology

University of Washington
Seattle WA, 98195
Ph.D., Neurobiology

Gittelman JX, Perkel DJ, Portfors CV. Dopamine modulates auditory responses in the inferior colliculus in a heterogeneous manner. J Assoc Res Otolaryngol. 2013 Oct;14(5):719-29.

Gittelman JX, Wang L, Colburn HS, Pollak GD. Inhibition shapes response selectivity in the inferior colliculus by gain modulation. Front Neural Circuits. 2012 Sep 18;6:67.

Gittelman JX, Pollak GD. It's about time: how input timing is used and not used to create emergent properties in the auditory system. J Neurosci. 2011 Feb 16;31(7):2576-83.

Gittelman JX, Li N. FM velocity selectivity in the inferior colliculus is inherited from velocity-selective inputs and enhanced by spike threshold. J Neurophysiol. 2011 Nov;106(5):2399-414.

Gittelman JX, Li N, Pollak GD. Mechanisms underlying directional selectivity for frequency-modulated sweeps in the inferior colliculus revealed by in vivo whole-cell recordings. J Neurosci. 2009 Oct 14;29(41):13030-41.

Pollak GD, Xie R, Gittelman JX, Andoni S, Li N. The dominance of inhibition in the inferior colliculus. Hear Res. 2011 Apr;274(1-2):27-39.

Pollak GD, Gittelman JX, Li N, Xie R. Inhibitory projections from the ventral nucleus of the lateral lemniscus and superior paraolivary nucleus create directional selectivity of frequency modulations in the inferior colliculus: a comparison of bats with other mammals. Hear Res. 2011 Mar;273(1-2):134-44.

Li N, Gittelman JX, Pollak GD. Intracellular recordings reveal novel features of neurons that code interaural intensity disparities in the inferior colliculus. J Neurosci. 2010 Oct 27;30(43):14573-84.

Xie R, Gittelman JX, Li N, Pollak GD. Whole cell recordings of intrinsic properties and sound-evoked responses from the inferior colliculus. Neuroscience. 2008 Jun 12;154(1):245-56.

Xie R, Gittelman JX, Pollak GD. Rethinking tuning: in vivo whole-cell recordings of the inferior colliculus in awake bats. J Neurosci. 2007 Aug 29;27(35):9469-81.

Brew HM, Gittelman JX, Tempel BL et al. Seizures and reduced life span in mice lacking the potassium channel subunit Kv1.2, but hypoexcitability and enlarged Kv1 currents in auditory neurons. J Neurophysiol. 2007 Sep;98(3):1501-25.

Gittelman JX, Tempel BL. Kv1.1-containing channels are critical for temporal precision during spike initiation. J Neurophysiol. 2006 Sep;96(3):1203-14.

Zalipsky S, Mullah N, Harding JA, Gittelman J, Guo L, DeFrees SA. Poly(ethylene glycol)-grafted liposomes with oligopeptide or oligosaccharide ligands appended to the termini of the polymer chains. Bioconjug Chem. 1997 Mar-Apr;8(2):111-8.

**Patent**

Guo L., Gittelman J., Zalipsky S., Martin F.; SEQUUS Pharm. Inc., assignee. Liposome Composition and Method for Administering a Quinolone. United States patent US 5,979,379. 1999, Oct 26.