CURRICULUM VITAE

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Education:

1984	B.A., St. John's University, Psychology
1985	Marine Biological Laboratory, Woods Hole (Neur Sys&Behav)
1988	Ph.D., UCLA, Behavioral Neuroscience
1989-1992	Postdoctoral Fellow, The Rockefeller University, Neuroendo

Professional Experience:

1993-1996	Assistant Professor, The Rockefeller University
1997-2000	Assistant Professor, Princeton University
2000	Professor, Princeton University
2006-2011	co-director, Neuroscience certificate program Princeton University
2012	named chair – Dorman T. Warren Professor of Psychology
2012	IACUC chair – Princeton University
2014 –2017	Chair, Psychology Department, Princeton University

Awards and Honors:

1989-1991	NRSA Individual postdoctoral fellowship
1991-1992	WinstonTri-Institutional fellowship
1992-1993	American Paralysis Association fellowship
1994-1996	NARSAD Young Investigator Award
1994-1999	NIMH FIRST award
2000	National Academy of Sciences Troland Award
2006	NARSAD Distinguished Investigator Award
2009	Royal Society of the Arts Benjamin Franklin Award
2013	Honorary Doctorate in Sciences, Chapman University
2014	Feinstein Institute for Medical Research AWSM Award

Advisory Committees:

2002-present	ad hoc reviewer for NIH grants
2008-present	NIH pioneer award, new innovator award panel, K99 award panel
2011	Wesleyan University Neuroscience external program review
2009-2011	Baylor College of Medicine Neuroscience external program review
2009, 2012	NIMH tenure review panel
2012-present	Brain & Behavior Foundation scientific council
2013	University of Maryland Neuroscience external program review

Editorial boards:

Neurobiology of Learning and Memory
Neuroscience Research

Cell Stem Cell
Neuroscience: Cellular and Molecular Section Editor

Complete list of publications can be found at MyBibliography
http://www.ncbi.nlm.nih.gov/sites/myncbi/elizabeth.gould.2/bibliography/49821417/public/?sort=date&direction=ascending.

Research articles (abbreviated list from year 2000):

Shors TJ, Miesegaes G, Beylin A, Zhao M, Rydel T, Gould E. (2001) Neurogenesis in the adult is involved in the formation of trace memories. *Nature.* 410:372-376.

Tanapat P, Hastings NB, Rydel TA, Galea LA, Gould E. (2001) Exposure to fox odor inhibits cell proliferation in the hippocampus of adult rats via an adrenal hormone-dependent mechanism. *J Comp Neurol*. 437:496-504.

Gould E, Vail N, Wagers M, Gross CG (2001) Adult-generated hippocampal and neocortical neurons in macaques have a transient existence. *Proc Natl Acad Sci* U S A.98:10910-7.

Hastings NB, Seth MI, Tanapat P, Rydel TA, Gould E (2002) Granule neurons Generated During Development Extend Divergent Axon Collaterals to Hippocampal Area CA3. *J Comp Neurol*. 452:324-333.

Shors TJ, Townsend DA, Zhao M, Kozorovitskiy Y, Gould E (2002) Neurogenesis may relate to some but not all types of hippocampal-dependent learning *Hippocampus* 12: 578-584

Coe CL, Kramer M, Czeh B, Gould E, Reeves AJ, Kirschbaum C, Fuchs E. (2003) Prenatal stress diminishes neurogenesis in the dentate gyrus of juvenile rhesus monkeys. *Biol Psychiatry*. 54:1025-1034.

Leuner B, Mendolia-Loffredo S, Kozorovitskiy Y, Samburg D, Gould E, Shors TJ.(2004) Learning enhances the survival of new neurons beyond the time when the hippocampus is required for memory. *J Neurosci.* 24:7477-7481.

Kozorovitskiy Y, Gould E. (2004) Dominance hierarchy influences adult neurogenesis in the dentate gyrus.*J Neurosci.* 24:6755-6759.

Mirescu C, Peters JD, Gould E. (2004) Early life experience alters response of adult neurogenesis to stress. *Nat Neurosci.* 7:841-846.

Tanapat P, Hastings NB, Gould E (2005) Ovarian steroids influence cell proliferation in the dentate gyrus of the adult female rat in a dose- and time-dependent manner. *J Comp Neurol.* 481:252-265.

Kozorovitskiy Y, Gross CG, Kopil C, Battaglia L, McBreen M, Stranahan AM, Gould E. (2005) Experience induces structural and biochemical changes in the adult primate brain. *Proc Natl Acad Sci USA*. 102:17478-82.

Kozorovitskiy Y, Hughes M, Lee K, Gould E. (2006) Fatherhood affects dendritic spines and vasopressin V1a receptors in the primate prefrontal cortex. *Nat Neurosci*. 9:1094-5.

Stranahan AM, Khalil D, Gould E. (2006) Social isolation delays the positive effects of running on adult neurogenesis. *Nat Neurosci*. 9:526-533.

Mirescu C, Peters JD, Noiman L, Gould E. (2006) Sleep deprivation inhibits adult neurogenesis in the hippocampus by elevating glucocorticoids. *Proc Natl Acad Sci U S A*. 103:19170-75.

Leuner B, Waddell J, Gould E, Shors TJ (2006) Temporal discontiguity is neither necessary nor sufficient for learning-induced effects on adult neurogenesis. *Journal of Neuroscience* 26:13437-42.

Leuner B, Mirescu C, Noiman L, Gould E. (2007) Maternal experience inhibits the production of immature neurons in the hippocampus during the postpartum period through elevations in adrenal steroids. *Hippocampus*. 17:434-442.

Leuner B, Kozorovitskiy Y, Gross CG, Gould E. (2007) Diminished adult neurogenesis in the marmoset brain precedes old age. *Proc Natl Acad Sci U S A.* 104:17169-173.

Stranahan AM, Khalil D, Gould E. (2007) Running induces widespread structural alterations in the hippocampus and entorhinal cortex. *Hippocampus.* 17:1017-1022.

Leuner B, Glasper ER, Gould E.(2009) Thymidine analog methods for studies of adult neurogenesis are not equally sensitive. *J Comp Neurol*. 517:123-33.

Glasper ER, Llorens-Martin MV, Leuner B, Gould E, Trejo JL. (2010) Blockade of insulin-like growth factor-I has complex effects on structural plasticity in the hippocampus. *Hippocampus*. 20:706-12.

Leuner B, Glasper ER, Gould E.(2010) Sexual experience promotes adult neurogenesis in the hippocampus despite an initial elevation in stress hormones. *PLoS One*. 5:e11597.

Leuner B, Gould E. (2010) Dendritic growth in medial prefrontal cortex and cognitive flexibility are enhanced during the postpartum period. *J Neurosci*. 30:13499-503.

Glasper ER, Kozorovitskiy Y, Pavlic A, Gould E. (2011) Paternal experience suppresses adult neurogenesis without altering hippocampal function in Peromyscus californicus. *J Comp Neurol.* 519:2271-81.

Leuner B, Caponiti JM, Gould E (2012) Oxytocin stimulates adult neurogenesis even under conditions of stress and elevated glucocorticoids. *Hippocampus*. 22:861-8.

Schoenfeld TJ, Rada P, Pieruzzini PR, Hsueh B, Gould E (2013) Physical exercise prevents stress-induced activation of granule neurons and enhances local inhibitory mechanisms in the dentate gyrus. *J Neurosci*.33:7770-7.

Glasper ER, Gould E (2013) Sexual experience restores age-related decline in adult neurogenesis and hippocampal function. *Hippocampus*. 23:303-12.

Schoenfeld TJ, Kloth AD, Hsueh B, Runkle MB, Kane GA, Wang SS, Gould E (2014) Gap junctions in the ventral hippocampal-medial prefrontal pathway are involved in anxiety regulation. *J Neurosci* 34:15679-88.

Glasper ER, LaMarca EA, Bocarsly ME, Fasolino M, Opendak M, Gould E (2015) Sexual experience enhances cognitive flexibility and dendritic spine density in the medial prefrontal cortex. *Neurobiol Learn Mem.* 125:73-79.

Brockett AT, LaMarca EA, Gould E (2015) Physical exercise enhances cognitive flexibility as well as astrocytic and synaptic markers in the medial prefrontal cortex. *PLOS One* 10:e0124859

Bocarsly ME, Fasolino M, Kane GA, LaMarca AM, Kirschen G, Karatsoreos IN, McEwen BS, Gould E (2015) Obesity diminishes synaptic markers, alters microglial morphology and impairs cognitive function. *Proc Natl Acad Sci U S A* 112:15731-6.

Cope EC, Briones BA, Brockett AT, Martinez S, Vigneron PA, Opendak M, Wang SS, Gould E (2016) Immature neurons and radial glia, but not astrocytes or microglia, are altered in adult Cntnap2 and Shank3 mice, models of autism eNeuro. 17;3(5).

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Cope EC, LaMarca EA, Monari PK, Olson LB, Martinez S, Zych AD, Katchur NJ, Gould E. (2018) Microglia play an active role in obesity-associated cognitive decline. *J Neurosci*. Sep 10. pii: 0789-18. doi: 10.1523/JNEUROSCI.0789-18.2018.

Cope EC, Opendak M, LaMarca EA, Murthy S, Park CY, Olson LB, Martinez S, Leung JM, Graham AL, Gould E. (2018) The effects of living in an outdoor enclosure on hippocampal plasticity and anxiety-like behavior in response to nematode infection. *Hippocampus*. Sep 25. doi: 10.1002/hipo.23033. [Epub ahead of print]

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Gould E, Tanapat P, Rydel T, Hastings N. (2000) Regulation of hippocampal neurogenesis in adulthood. *Biol Psychiatry*. 48:715-720.

Fuchs E, Gould E. (2000) Mini-review: in vivo neurogenesis in the adult brain: regulation and functional implications. *Eur J Neurosci*. 12:2211-4.

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Nestler EJ, Gould E, Manji H, Buncan M, Duman RS, Greshenfeld HK, Hen R, Koester S, Lederhendler I, Meaney M, Robbins T, Winsky L, Zalcman S. (2002) Preclinical models: status of basic research in depression. *Biol Psychiatry.* 52:503-528.

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Schoenfeld T and Gould E (2011) Stress and neurogenesis. Handbook of Stress: Neuropsychological Effects on the Brain Ed: Conrad C. Wiley-Blackwell

Opendak M, Gould E. (2011) New neurons maintain efficient stress recovery. *Cell Stem Cell*. 9:287-8.

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Schoenfeld TJ, Gould E (2012) Stress, stress hormones, and adult neurogenesis. *Exp Neurol*. 233:12-21.

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Opendak M, Gould E (2015) Adult neurogenesis: a substrate for experience-dependent change. *Trends in Cognitive Sciences* 19:151-161.

Opendak M, Briones BA, Gould E (2016) Social behavior, hormones and adult neurogenesis. *Front Neuroendocrinol.* 41:71-86.

Cope, EC and Gould, E (2017) Adult neurogenesis in the hippocampus: a role in learning and memory. In: *Learning and Memory: A comprehensive reference* 2nd ed. Editor: Byrne, JH.

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