

APPLICANT/FELLOW BIOGRAPHICAL SKETCH

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NAME OF APPLICANT/FELLOW Karunesh Ganguly	POSITION TITLE Resident in Neurology
eRA COMMONS USER NAME	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Stanford University (Stanford, CA)	BS	1991-1995	Chemistry
University of California, San Diego (La Jolla, CA)	MD	1995-2004	Medicine
University of California, San Diego (La Jolla, CA)	PhD	1995-2004	Neuroscience
University of California, San Francisco (San Francisco, CA)		2004-2005	Medicine
University of California, San Francisco (San Francisco, CA)		2005-present	Neurology

A. Positions and Honors

ACTIVITY/OCCUPATION	BEGINNING DATE (mm/yy)	ENDING DATE (mm/yy)	FIELD	INSTITUTION/COMPANY	SUPERVISOR/ EMPLOYER
Internship	06/04	06/05	Medicine	University of California, San Francisco	Harry Hollander
Resident	6/05	-	Neurology	University of California, San Francisco	John Engstrom
Research Fellowship	09/07	-	Neuroscience	University of California, Berkeley	Jose Carmena

Academic and Professional Honors

1992-1993	Scholarship for Outstanding Achievement in Chemistry
1994	Undergraduate Research Grant, Stanford University
1995	Phi Beta Kappa, Stanford University
2000-2002	National Science Foundation Graduate Fellowship
2004	Neurology Award for Outstanding Medical Student
2007	American Neurological Association Resident's Program Scholarship
2007-2008	Selection into UCSF Flexible Residency Program

Professional Memberships

American Neurological Association

B. Publications**Research Papers**

1998	Ebert, S.N., Ficklin, M.B., Her, S., Siddall, B.J., Bell, R.A., Ganguly, K. , Morita, K. and Wong, D.L. Glucocorticoid-dependent action of neural crest factor AP-2: stimulation of phenylethanolamine N-methyltransferase gene expression. <i>J. Neurochemistry</i> . 70, 2286-95.
2000	Ganguly K. , Kiss, L. and Poo M-m. Enhancement of presynaptic neuronal excitability by correlated presynaptic and postsynaptic spiking. <i>Nature Neuroscience</i> . 10, 18-26.

- 2001 **Ganguly, K.**, Schinder, A.F., Wong, S.T. and Poo, M-m. GABA itself promotes the developmental switch of neuronal GABAergic responses from excitation to inhibition. *Cell* 105, 21-32.
- 2003 Woodin, M.A., **Ganguly, K.** and Poo, M-m. Coincident Pre- and Postsynaptic Activity Modifies GABAergic Synapses by Postsynaptic Changes in Cl⁻ Transporter Activity. *Neuron*. 39, 807-820.
- 2004 **Ganguly, K.** and Kleinfeld, D. Goal-directed whisking increases phase-locking between vibrissa movement and electrical activity in primary sensory cortex in rat. *Proc. Natl Acad Sci U S A*. 101,12348-53.

Abstracts

- 1999 Abstract and Poster, Society for Neuroscience Meeting
K. Ganguly, G-q. Bi, A. Schinder, B. Berninger, and M-m Poo. Associated Modification of GABAergic synapses by coincident pre- and postsynaptic spiking.
- 2002 Abstract and Poster, Society for Neuroscience Meeting
A. Schinder, **K. Ganguly**, and Mu-ming Poo. Developmental Switch of GABAergic Transmission from Excitation to Inhibition.
- 2003 Abstract and Poster, Society for Neuroscience Meeting
K. Ganguly and D. Kleinfeld. Rewarded whisking behavior increases phase-locking between vibrissa movement and electrical activity in primary sensory cortex in the