

## **Curriculum vitae**

*Christopher B. Ransom MD, PhD*  
*230 Hepburn Rd*  
*Hamden, CT 06517*  
[christopher.ransom@yale.edu](mailto:christopher.ransom@yale.edu)

### **Education**

B.S.	California Polytechnic State University San Luis Obispo, CA	Biological Sciences	12/1994
Ph.D	University of Alabama School of Medicine Birmingham, AL	Neurobiology	12/2000
M.D.	University of Alabama School of Medicine Birmingham, AL	Medicine	5/2003
Internship	University of Alabama School of Medicine Birmingham, AL	Internal Medicine	6/2004
Residency	Yale-New Haven Hospital New Haven, CT	Neurology	Graduate 6/2007
Fellowship	Yale-New Haven Hospital New Haven, CT <i>and</i> West Haven Veterans Affairs Medical Center	Epilepsy	7/2007 to present

### **Awards and Honors**

1994	Second Place, California State University Student Research Competition, Biological sciences category
1995	Third Place, Medical Student Research Day, University of Alabama School of Medicine
2000	First Place, Medical Student Research Day, University of Alabama School of Medicine
2000	Student member of Admissions Committee for graduate program in Cellular and Molecular Biology, University of Alabama School of Medicine
2003	American Academy of Neurology Medical Student Prize for Excellence in Neurology, University of Alabama School of Medicine
2004-2007	Instructor of case-based conferences in Neuroanatomy for first

- 2005 year medical students, Yale University School of Medicine  
Lewis L. Levy Award for exceptional performance as a PGY2  
Neurology resident, Yale-New Haven Hospital
- 2006-2007 Administrative Chief Resident in Neurology, Yale-New Haven  
Hospital and West Haven VA Medical Center
- 2007 Resident of the Year, Yale-New Haven Hospital. Selected by Yale  
medical students for excellence in teaching.

### **Original articles**

1. Song W, Millay V, Phillips A, Ransom CB, Quick MW, Lester RA. Evidence for  $\alpha 2\beta 4$  nicotinic acetylcholine receptors in the mammalian interpeduncular nucleus. *Submitted*.
2. Ransom CB, Liu X, Sontheimer H (2003) Current transients associated with BK channels in human glioma cells. *Journal of Membrane Biology* 193:201-213.
3. Ransom CB, Liu X, Sontheimer H (2002) BK channels in human glioma cells have enhanced calcium sensitivity. *Glia* 38:281-291.
4. Ransom CB, O'Neal JT, Sontheimer H (2001) Volume-activated chloride currents contribute to the resting conductance and invasive migration of human glioma cells. *Journal of Neuroscience* 21:7674-7683.
5. Ransom CB, Sontheimer H (2001) BK channels in human glioma cells. *Journal of Neurophysiology* 85:790-803.
6. Ransom CB, Ransom BR, Sontheimer H (2000) Activity-dependent extracellular K<sup>+</sup> accumulation in rat optic nerve: the role of glial and axonal Na<sup>+</sup> pumps. *Journal of Physiology* 3:427-442.
7. Ransom CB, Sontheimer H, Janigro D (1996) Astrocytic inwardly rectifying potassium currents are dependent on external sodium ions. *Journal of Neurophysiology* 76:626-630.
8. Ransom CB, Sontheimer H (1995) Biophysical and pharmacological characterization of inwardly rectifying K<sup>+</sup> currents in rat spinal cord astrocytes. *Journal of Neurophysiology* 73:333-346.

### **Book Chapters**

1. Ransom CB, Richerson GB. "GABA transporters: Regulation of tonic inhibition." In Encyclopedia of basic epilepsy research, ed. P. Schwartzkroin, Elsevier Press, *in press*.
2. Ransom CB, Blumenfeld H. "Acquired epilepsy: cellular and molecular mechanisms." In Molecular Neurology, ed. S.G. Waxman. Elsevier Press, New York. *In press*.
3. Ransom CB, Sontheimer H. "Whole-cell patch clamp techniques." In Patch-clamp analysis: advanced techniques, ed. W. Walz, A.A. Boulton, G.B. Baker. Humana Press, Oxford. 2002.