

Curriculum Vitae

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Christie Gunter, Ph.D.

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Education:

1992: B.S. University of Georgia (Genetics and Biochemistry double major)
1998: Ph.D. Emory University (Genetics and Molecular Biology)

Postgraduate Training and Fellowship Appointments:

1998-2001 Postdoctoral Fellow, Case Western Reserve University, Genetics Department
2000-2001 Principal Investigator, NIH NRSA Grant
2000-2001 Editorial Fellow, *Human Molecular Genetics*

Other Appointments:

2001 Associate Online Editor, *Science*
2002-2008 Senior Editor, *Nature*
2007-present Adjunct Assistant Professor of Genetics, University of Pennsylvania
2008-present Director of Research Affairs, HudsonAlpha Institute for Biotechnology

Awards, Honors and Membership in Honorary Societies:

Phi Beta Kappa
Sigma Xi

Memberships in Professional & Scientific Societies and Other Professional Activities:

American Society of Human Genetics (Member, 1993-present)
Advisory Board, Microarray Gene Expression Data Society (2004-present)
International Advisory Committee, HUGO Gene Nomenclature Committee (2005-2008)
Council of Science Editors (Member, 2003-2005 and 2007-2008)
DC Science Writers Association (Member, 2003-2005)
National Press Club (Member, 2003-2006)
Consultant, Simons Foundation autism grant application process (2007)
Organizer, ASHG/HUGO/NPG Genetics and Genomics of Infectious Disease Meeting, Singapore (2008-2009)

Reviewing Positions:

Reviewer, *Am J Hum Genet*, *Am J Med Genet*, *Annals Human Genet*, *Eur J Hum Genet*, *Hum Molec Genet*, *Nucleic Acids Res.*

Teaching Responsibilities:

1999 & 2000 Discussion leader, Emory University Medical Genetics course
2007 Small group leader, University of Pennsylvania Medical Genetics course

Lectures by Invitation:

August 27, 2003 Genome Center, Washington University
November 5, 2003 American Society of Human Genetics
December 11, 2003 The Institute for Genomic Research

Lectures by Invitation (cont):

April 15, 2004	University of Rochester
May 26, 2004	Case Western Reserve University
October 7, 2004	Duke University
October 9, 2004	NC State Professional Development Workshop
October 27, 2004	American Society of Human Genetics
November 10, 2004	Johns Hopkins University
November 30, 2004	Bauer Institute, Harvard University
December 1, 2004	Massachusetts Institute of Technology
February 18, 2005	University of Washington
February 25, 2005	University of California, Los Angeles
February 28, 2005	University of Hawaii
March 15, 2005	Oxford University
April 7, 2005	NICHD Career Development Workshop
April 29, 2005	RTP Area Career Fair
July 27, 2005	Organized "Editor's Panel," Gordon Conference Human Genetics and Genomics
September 25, 2006	Emory University
October 10, 2006	American Society of Human Genetics
November 10, 2006	NCI-NHGRI Working Group on Replication in Association Studies
December 7, 2006	University of Pennsylvania
July 11, 2007	Pennsylvania State University
July 23, 2007	Organized "Editor's Panel," Gordon Conference Human Genetics and Genomics
September 11, 2007	University of Pennsylvania
October 24, 2007	American Society of Human Genetics
January 22, 2008	University of Pennsylvania
March 2, 2008	Organized "Editor's Panel," Keystone Symposium
April 25, 2008	Moderated "Editor's Panel," HudsonAlpha Institute for Biotechnology
November 12, 2008	American Society of Human Genetics
November 25, 2008	Genopole, France

Bibliography

Research Publications, peer reviewed (print or other media):

Zerylnick C, Torroni A, Sherman SL, and Warren ST (1995). Normal variation at the myotonic dystrophy locus in global human populations. *Am. J. Hum. Genet.* 56: 123-130.

Kunst CB, Zerylnick C, Karickhoff L, Bullard J, Torroni A, Holden JJA, and Warren ST (1996). *FMRI* in global populations. *Am. J. Hum. Genet.* 58: 513-522.

Brown VB, Small K, Lakkis L, Feng Y, Gunter C, Wilkinson KD, and Warren ST (1998). Purified recombinant Fmrp exhibits selective RNA binding as an intrinsic property of the fragile X mental retardation protein. *J. Biol. Chem.* 273(25): 15521-15527.

Gunter C and Warren ST (1998). Polymorphism in the *FMRI* gene. *Hum. Genet.* 103:365.

Gunter C, Paradee W, Crawford DC, Meadows KA, Newman J, Kunst CB, Nelson DL, Schwartz C, Murray A, Macpherson JN, Sherman SL, and Warren ST (1998). Re-examination

of factors associated with expansion of CGG repeats using a single nucleotide polymorphism in *FMR1*. *Hum. Mol. Genet.* 7(12): 1935-1946.

Research Publications, peer reviewed (cont.):

Crawford DC, Schwartz CE, Meadows KL, Newman JL, Taft LF, Gunter C, Brown WT, Carpenter NJ, Howard-Peebles PN, Monaghan KG, Nolin SL, Reiss AL, Feldman GL, Rohlfes EM, Warren ST, and Sherman SL (2000). Survey of the fragile X syndrome CGG repeat and the short-tandem-repeat and single-nucleotide-polymorphism haplotypes in an African American population. *Am. J. Hum. Genet.* 66(2): 480-93.

Research Publications, peer – reviewed reviews:

Holden JJA, Allingham-Hawkins D, Brown WT, Chiurazzi P, Fisch G, Gunter C, Hagerman R, Jenkins E, Lubs H, Mazzoco M, Murray A, Neri G, Percy M, Schwartz C, Staley-Gane L, Tranebjaerg L, Villard L, and Willems P (1999). Eighth international workshop on the fragile X syndrome and X-linked mental retardation, August 16-22, 1997. *Am. J. Med. Genet.* 83(4):221-236.

Research Publications, non-peer reviewed:

NCI-NHGRI Working Group on Replication in Association Studies, Chanock SJ, Manolio T, Boehnke M, Boerwinkle E, Hunter DJ, Thomas G, Hirschhorn JN, Abecasis G, Altshuler D, Bailey-Wilson JE, Brooks LD, Cardon LR, Daly M, Donnelly P, Fraumeni JF Jr, Freimer NB, Gerhard DS, Gunter C, Guttmacher AE, Guyer MS, Harris EL, Hoh J, Hoover R, Kong CA, Merikangas KR, Morton CC, Palmer LJ, Phimister EG, Rice JP, Roberts J, Rotimi C, Tucker MA, Vogan KJ, Wacholder S, Wijsman EM, Winn DM, and Collins FS (2007). Replicating genotype-phenotype associations. *Nature.* 447(7145):655-60.

Editorials, Reviews, Chapters (print or other media):

Gunter C. The molecular genetics of cancer: down the rabbit hole (2001). *Hum. Molec. Genet.* 10: 655-656.

Gunter C. Quantitative genetics: Turning up the heat on QTL mapping (2002). *Nat. Rev. Genet.* 3: 237.

Gunter C. Transgenesis: Mosquitoes bite back on parasite transmission (2002). *Nat. Rev. Genet.* 3: 497.

Gunter C. Human genetics: A surprise in asthma research (2002). *Nat. Rev. Genet.* 3: 572.

Gunter C. Stick it in the family album. (2002). *Nature* 418(6893): 30.

Gunter C. Genomics: Malaria – the enemy's battle plan (2002). *Nat. Rev. Genet.* 3: 735.

Gunter C. Human evolution: Two mutations worth a thousand words (or more) (2002). *Nat. Rev. Genet.* 3: 820.

Gunter C and Dhand R. Editorial: Human biology by proxy (2002). *Nature* 420:509.

Gunter C. Evolutionary genetics: Chromosomal barriers to sex lifted (2003). *Nat. Rev. Genet.* 4: 248.

Editorials, Reviews, Chapters (cont.):

Gunter C. Genomics: *Neurospora*: ripped from the headlines (2003). *Nat. Rev. Genet.* 4: 327.

Gunter C. Genomics: Ocean bacteria surf the genome wave (2003). *Nat. Rev. Genet.* 4: 761.

Gunter C. Genetics: secrets of a porkier porker (2003). *Nature* 425(6960): 777.

Gunter C. Editorial: Human genomics and medicine (2004). *Nature* 429:439.

Gunter C. Genome evolution: Mutations: more common than you thought (2004). *Nat. Rev. Genet.* 5: 640.

Gunter C. Technology: Mouse functional genomics in full bloom (2004). *Nat. Rev. Genet.* 5: 566.

Gunter C. Genome biology: she moves in mysterious ways. (2005). *Nature* 434(7031):279-80.

Gunter C and Dhand R. Editorial: The chimpanzee genome (2005). *Nature* 437:47.

Gunter C. Box 1 | The honeybee genome and social lifestyle (2006). *Nature* 443:920.

Gunter C. Editorial: Environment is everything (2007). *Nature* Collections: Metagenomics.
<http://www.nature.com/nature/supplements/collections/metagenomics/editorial.html>

Eccleston A, DeWitt N, Gunter C, Marte B, and Nath D. Editorial: Epigenetics (2007).
Nature 447:395.

Gunter C and Marte B. Editorial: Insights into the cancer genome (2007). *Nature* Collections: Cancer genomics.
<http://www.nature.com/nature/supplements/collections/cancergenomics/editorial.html>

Gunter C, Cesari F, Nath D, Chou I, Eccleston A and Dhand R. Editorial: Genome labours bear fruit (2007). *Nature* 450:183.

Gunter C. Human genetics: Chipping away at psychiatric disorders (2008). *Nat. Rev. Genet.* 9:654.

Gunter C. Plant genetics: Rice stands up (2008). *Nat. Rev. Genet.* 9:816.

Alternative media:

September – December 2001, Editor, *Science* Functional Genomics website,
<http://www.sciencemag.org/feature/plus/sfg>.

October 2004 – present, Editorial staff, *Nature* Omics Gateway.
<http://www.nature.com/omics/about/index.html>

October 2005, *Nature* podcast, “The HapMap.”

October 2006, *Nature* newsblog, “ASHG: Jobs or Bust.”
http://blogs.nature.com/news/blog/2006/10/ashg_jobs_or_bust.html

May 2007, *Nature* podcast, “The Opossum Genome.”

May 2007, Interview for *Wired* magazine. “Opossum Genome Sequencing May Benefit Human Health.” http://blog.wired.com/wiredscience/2007/05/opossum_genome_.html.

June 2007, Interview for *El Mundo*, Spain. “Un nuevo 'manual de instrucciones' del genoma reinterpreta el ADN humano.”
<http://elmundosalud.elmundo.es/elmundosalud/2007/06/13/biociencia/1181755141.html>

October 2007, *Nature* podcast, “Return of the HapMap.”

November 2007, Interview for *Genome Technology* magazine, “The other side of publishing.”
http://www.genome-technology.com/issues/2_9/careers/143018-1.html

November 2007, Interview for BBC Radio4, *Drosophila* genomics.

November 2007, *Nature* podcast, “Ten new fruit fly genomes.”

January 2008, Blog postings on Nature Network,
<http://network.nature.com/forums/askthenatureeditor/595>.

November 2008: *Nature* newsblog “In the field,” reports from ASHG.
http://blogs.nature.com/news/blog/2008/11/ashg_guest_post_are_we_serious.html
http://blogs.nature.com/news/blog/2008/11/ashg_guest_post_medical_releva.html

Websites:

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twitter.com/girlscientist