

Holly Kathryn Tabor, Ph.D.
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Department of Pediatrics, Division of Bioethics
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Personal Data:

Date of Birth April 8, 1973
Place of Birth New York, NY
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Work Address:

Seattle Children's Hospital
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Education:

1994 A.B., Harvard University, Magna Cum Laude, History and Science

2002 Ph.D., Stanford University, Epidemiology with Minor in Genetics

Postgraduate Training:

8/2005-6/2008 Postdoctoral Fellowship
Center for the Integration of Research on Genetics and Ethics,
Stanford Center for Biomedical Ethics, Stanford University School
of Medicine.

Faculty Positions Held:

7/2008-present Assistant Professor
Division of Bioethics, Department of Pediatrics
University of Washington School of Medicine

9/2008-present Adjunct Assistant Professor
Department of Bioethics and Humanities
University of Washington School of Medicine

11/2009-present Faculty
Institute of Public Health Genetics
University of Washington School of Public Health

Hospital Positions Held:

7/2008-present Scholar
Treuman Katz Center for Pediatric Bioethics

Seattle Children's Hospital

Staff Research Positions Held:

7/2002-6/2005 Senior Scientist
Stanford Human Genome Center
Department of Genetics, Stanford University School of Medicine

Honors:

1992-1994 Elizabeth Cary Agassiz Certificate of Merit, Harvard College

1991-1994 Dean's List, Harvard College

Board Certification:

No board certification.

Current License(s) to Practice:

No current licenses to practice.

Professional Organizations:

Member, American Society of Human Genetics

Member, American Society of Bioethics and Humanities

Teaching Responsibilities:

1/2010-present Lecturer, Competency Days Training for PICU/NICU Nursing Staff,
Monthly Sessions on Clinical Ethics.

12/2009 Lecturer, Neonatology Fellow Seminar, "Ethical Challenges in
Newborn Genetic Testing and Screening: From PKU to Whole
Genome Sequencing."

7/2009-present Discussion group leader, Biomedical Research Integrity (BRI)
series, University of Washington School of Medicine.

11/2008 Lecturer. Public Health Genetics 680: Interactive Seminar,
"Currencies of Exchange in Genetic Research on Complex Traits:
The Example of Autism."

7/2008 to present Faculty Participant and Rotating Discussion Leader. Weekly
Pediatric Bioethics Seminar, Treuman Katz Center for Pediatric
Bioethics, Seattle Children's Hospital

6/2006-6/2008 Lectures in Clinical and Research Bioethics to residents, fellows,
ethics committees, graduate level courses, Stanford University

School of Medicine and Stanford Hospital.

- Winter 2006 Teaching Fellow. Human Biology 136: Foundations of Bioethics. Stanford Center for Biomedical Ethics, Stanford University, Created and graded exams, held office hours, lectured on genetics and ethics.
- Fall 2006 Lecturer. Stanford Genetics Summer Institute, Department of Genetics, Stanford University School of Medicine. Delivered lecture on ethical issues on genetics of complex traits.
- 9/1998-6/2000 Graduate Student Mentor. Freshman Advising Resources and Mentoring Program (FARM), Stanford University.
- Summer 1999 Teaching Assistant. Post-Graduate Program, Outcomes Research and Clinical Epidemiology. Professors Steven Hulley and Steven Cummings. University of California at San Francisco. Co-led weekly session (50% effort) on designing clinical research.
- Winter 1999 Teaching Assistant. Health Research and Policy 226: Advanced Epidemiologic Methods. Professor Lorene Nelson. Stanford University School of Medicine. Wrote and graded problem sets and exams.

Editorial Responsibilities:

No editorial responsibilities.

Special National Responsibilities:

- 1/2010-present Chair, Ethical Legal and Social Implications (ELSI) Working Group, NHLBI Exome Sequencing Program (ESP).

Special Local Responsibilities:

- 7/2008-present Member, Ethics Committee, Seattle Children's Hospital.
- 7/2008-present Consultant, Ethics Committee, Seattle Children's Hospital
- 7/2008-present Member, Institute for Translational Health Sciences Research Ethics Consultation Service
- 1/2009-present Member, University of Washington School of Medicine Biomedical Research Integrity Advisory Committee.
- 1/2006-7/2008 Member, Ethics Committee, Stanford University Hospital.
- 1/2006-7/2008 Member, Ethics Committee On-Call Service, Stanford University Hospital.

Research Funding:

- 9/23/08-8/31/11 “Ethical and Social Issues in the Study of the Genetics of Complex Traits,” **Holly K. Tabor**, PI. K99/R00 Grant number 5ROOHG004316-03. NHGRI, NIH.
- 9/17/07-5/31/12 “Institute of Translational Health Sciences: NIH Clinical and Translational Science Awards (CTSA),” **Holly K. Tabor**, member of Regulatory Support and Bioethics Core, Grant number 1 UL1 RR 025014-01.
- 9/30/09-9/29/11 “Ethical Approaches to Genotype-Driven Research Recruitment,” **Holly K. Tabor**, subcontract PI. RC-1 Challenge Grant.
- 9/30/09-9/29/11 “Next Generation Mendelian Genetics,” **Holly K. Tabor**, subcontract PI. Grant number NIH RFA-OD-09-004 RC2 “GO” grant, NIH.
- 9/30/09-9/29/11 “NHLBI Lung Cohorts Sequencing Project,” **Holly K. Tabor**, Co-Investigator. Grant number NHLBI RFA OD -09-004, “GO” grant, NHLBI, NIH.
- 4/1/10-3/11/11 “Center for Genomics and Healthcare Equality,” **Holly K. Tabor**, Co-Investigator, Grant number NIH RFA-HG-09-003.

Bibliography:**a) Manuscripts in refereed journals.**

- 1) Margolis KL, Ensrud KE, Schreiner PJ, **Tabor HK**. Body size and risk for clinical fractures in older women. Study of Osteoporotic Fractures Research Group. *Annals of Internal Medicine*. 2000 Jul 18;133(2) 123-7.
- 2) Schwartz AV, Sellmeyer DE, Ensrud KE, Cauley JA, **Tabor HK**, Schreiner PJ, Jamal SA, Black DM, Cummings SR. Older women with diabetes have an increased risk of fracture: a prospective study. *Journal of Clinical Endocrinology and Metabolism* 2001 Jan;86(1):32-8.
- 3) Chrischilles EA, Dasbach EJ, Rubenstein LM, Cook JR, **Tabor HK**, Black DM. The effect of alendronate on fracture-related healthcare utilization and costs: the fracture intervention trial. *Osteoporosis International* 2001;12(8)654-60.
- 4) Li J, **Tabor HK**, Nguyen L, Gleason C, Lotspeich LJ, Spiker D, Risch N, Myers RM. Lack of association between HoxA1 and HoxB1 gene variants and autism in 110 multiplex autism families. *American Journal of Medical Genetics* 2002 Jan 8;114(1):24-30.

- 5) **Tabor HK**, Risch NJ, Myers RM. Candidate-gene approaches for studying the genetics of complex traits: practical approaches. *Nature Reviews Genetics* 2002 May;3(5):391-7.
- 6) **Tabor HK**, Cho MK. Ethical implications of array comparative genomic hybridization in complex phenotypes: points to consider in research. *Genetics in Medicine* 2007 Sep;9(9):626-31.
- 7) Assimes, TL, Knowles JW, Priest JR, Basu A, Borchert A, Volcik KA, Grove ML, **Tabor HK**, Southwick A, Tabibizar R, Sidney S, Boerwinkle E, Go AS, Iribarren C, Hlatkly MA, Fortmann SP, Myers RM, Kuhn H, Risch N, Quertermous T. A near null variant of 12/15-LOX encoded by a novel SNP in ALOX15 and the risk of coronary artery disease. *Atherosclerosis* 2007 Oct(22), Epub ahead of print.
- 8) Hlatky MA, Quertermous T, Boothroyd DB, Priest JR, Glassford AJ, Myers RM, Fortmann SP, Iribarren C, **Tabor HK**, Assimes TL, Tibshirini RJ, Go AS. Polymorphisms in hypoxia inducible factor 1 and the initial clinical presentation of coronary disease. *American Heart Journal* 2007 Dec;154(6):1035-42.
- 9) McGowan KA, Li JZ, Park CY, Beaudry V, **Tabor HK**, Sabnis AJ, Zhang W, Fuchs H, de Angelis MH, Myers RM, Attardi LD, Barsch GS. Ribosomal mutations cause p53-mediated dark skin and pleiotropic effects. *Nature Genetics* 2008 Aug;40(8):963-70.
- 10) Assimes TL, Knowles JW, Priest JR, Basu A, Volcik KA, Southwick A, **Tabor HK**, Hartiala J, Allayee H, Grove ML, Tabibiazar R, Sidney S, Fortmann SP, Go A, Hlatky M, Iribarren C, Boerwinkle E, Myers R, Risch N, Quertermous T. Common polymorphism of ALOX5 and ALOX5AP and risk of coronary artery disease. *Human Genetics* 2008 May;123(4):399-408.
- 11) **Tabor, HK** and Kelley M, "Challenges in the Use of Direct-to-Consumer Personal Genome Testing in Children", *The American Journal of Bioethics* 2009 June;(9):32-34.
- 12) Ng SB, Buckingham KJ, Lee C, Bigham AW, **Tabor HK**, Dent KM, Huff CD, Shannon PT, Jabs EW, Nickerson DA, Shendure J, Bamshad MJ. Exome sequencing identifies the cause of a mendelian disorder. *Nat Genet.* 2010 Jan 42(1):30-5.

b) Book chapters.

Cummings SR, **Tabor HK**. The epidemiology of osteoporotic vertebral fractures, 1995. In: *Vertebral Fracture and Osteoporosis*. Genant HK, Jergas M, van Kuijk C. Osteoporosis Research Group, San Francisco.

c) Published books, videos, software, etc.

No published books, videos, software, etc.

d) Other publications

No other publications.

e) Manuscripts submitted.

No current manuscripts submitted.

f) Abstracts and Presentations

- 1) Black DM, Bauer DC, Lu Y, **Tabor H**, Genant HK, Cummings SR for the Study of Osteoporotic Fractures Research Group. Should BMD be measured at multiple sites to predict fracture risk in elderly women? Presented at the 1995 meeting of the American Society of Bone and Mineral Research, Baltimore, MD. JBMR 1995.
- 2) Margolis KL, Ensrud KE, **Tabor HK**. Body size and risk of clinical fractures in older women. J Gen Intern Med 1998; 13 (Suppl 1): 39.
- 3) Chrischilles EA, Dasbach EJ, Rubenstein LM, Cook JR, **Tabor HK** and Black DM. The effect of alendronate on fracture-related healthcare utilization and costs: The Fracture Intervention Trial. 1998 Bone 23 (Suppl 5):1138.
- 4) Stone KL, Van Kijk S, **Tabor HK**, Lui LL, Kahn AJ, Cauley JA, Ensrud KE, Harris EL, Zmuda JM, Sorrell JA, Duff GW and Cummings SR. Association between genotypes in the IL-1 gene cluster and osteoporotic fracture risk in elderly women. J Bone Miner Res 1999 Sep; 14 (Suppl 1) 1040.
- 5) Schwartz A, Ensrud KE, Cauley J, **Tabor H**, Black DM, Schreiner PJ and Cummings SR for the Study of Osteoporotic Fractures Research Group. Older women with diabetes have a high risk of several types of fractures: a prospective study. J Bone Miner Res 1999 Sep; 14 (Suppl 1) T277.
- 6) **Tabor HK**, Mohindra M, Boyce A, Cho MK. Genetic vs. Environmental Hypotheses of Disease Causation: The Case of Autism. American Society of Human Genetics Annual Meeting, October 2006.
- 7) McGuire V, Van Den Eeden S, Tanner C, **Tabor H**, Topol B, Southwick A, Popat R, Bernstein A, Murphy G, Myers R, Nelson L. Association of N-acetyltransferase (NAT2) gene polymorphisms with Parkinson's disease. Neuroepidemiology Research Group, World Federation of Neurology, May 2007.
- 8) **Tabor HK**, Lappé M, Cho MK. Roles of Advocacy Groups in Genetic Research of Complex Traits: The Example of Autism. American Society of Human Genetics Annual Meeting, October 2007.

- 9) **Tabor HK.** Advocacy Groups: The Personal and the Political in Science and Society.” Panel for American Society of Bioethics and Humanities Meeting, October 2007. Organizer and one of the presenting panelists.
- 10) **Tabor HK.** The Autism Genetic Resource Exchange: An “Honest Broker” Model for Genetic Research. Part of panel on: “The future of genetic research in children: rethinking consent, data sharing and clinical translation.” American Society of Bioethics and Humanities Annual Meeting, October 2008. Organizer and one of the presenting panelists.
- 11) **Tabor HK,** Cho MK and the Interdisciplinary Working Group on Returning CNV Results to Research Participants. Returning Copy Number Variants to Research Participants. American Society of Human Genetics Annual Meeting, November 2008.
- 12) **Tabor HK.** Ethical Issues in Translating CNVs from Research to the Clinic: The Example of Autism. Part of panel on “Copy Number Variants (CNVs): A New Frontier for Clinical Genetic Testing and Counseling.” Panel organizer and speaker. American College of Medical Genetics Annual Clinical Meeting, March 2009.
- 13) **Tabor HK.** The Scope of Pediatric Biobanks and the Ethical Issues Involved Part of panel on “Ethical Challenges in Pediatric Bioethics: Balancing the Risks and Benefits.” Panel organizer and speaker. Pediatric Academic Societies Annual Meeting, May 2009.
- 14) **Tabor HK.** Ethical and Social Challenges in a Whole Genome Sequencing Study of Two Families with a Rare Disease. 5th International DNA Sequencing Conference: The Age of Personalized Genomics, September 2009.
- 15) **Tabor HK.** Challenges in Direct-to-Consumer Genetic Testing in Children” Part of panel on “Clinical Integration of Direct-to-Consumer Personal Genome Testing: Perspectives, Experiences and Challenges.” American Society of Bioethics and Humanities Annual Meeting, October 2009.
- 16) **Tabor, HK.** Families as Assets: Advocacy Groups Managing Biobanks for Mendelian and Complex Diseases. Part of panel on “Not the Old Cast of Characters: Emerging Roles and Agendas for Advocacy in Biobanking and Clinical Translation.” American Society of Bioethics and Humanities Annual Meeting, October 2009. Organizer and one of the presenting panelists.
- 17) **Tabor, HK,** Bamshad M and Galas D. Ethical and Social Challenges in a Whole Genome Sequencing Study of Two Families with a Rare Disease. American Society of Human Genetics Annual Meeting, October 2009. Plenary presentation.

National Invitational Lectures:

- 1) Invited presentation, American Society of Nephrology Renal Week, “Genetic Profiling and Personalized Medicine: Ethical Considerations.” November 2007.
- 2) Panelist, “Good Governance of Shared Clinical Data: How to Achieve?” CTSA Workshop: “Data Sharing: Governance and Ethics in the CTSA Environment.” UW, Seattle, WA, May 6, 2009.
- 3) Speaker: “AGRE: An Honest Broker Model for Genetic Research.” At CTS Workshop: “No Tribe Left Behind: Including Small Populations in Health Disparities Research.” Center for Health Studies/Group Health Cooperative, Seattle, WA, May 29, 2009.
- 4) Speaker, “Challenges of Direct-to-Consumer Genetic Testing in Children.” Grand Rounds, Seattle Children’s Hospital, September 10, 2009.
- 5) Speaker and panelist, “Scientific Considerations for Governance Structures for Biobanks.” Workshop: Emerging Governance for Biobanks: Ethical, Scientific and Practical Considerations.” Banff, Alberta, Canada, September 15-16, 2009.
- 6) Speaker, “The Ethics of Communicating Scientific Findings of Autism Risk.” Conference: Ethical Issues in Communicating ASD Risk.” Philadelphia, PA, October 6, 2009.
- 7) Panelist. “Roundtable Discussion: Personal Genomes: Promise or Hype?” UW Genome Sciences Panel in Conjunction with the 2010 Lasker Symposium. Co-panelists: Honoree Sydney Brenner, Jay Shendure, Mary Claire King, Moderator Robert Waterston. UW Genome Sciences. November 16, 2009.
- 8) Speaker, “Ethical and Social Challenges in Whole Genome and Whole Exome Sequencing.” International Symposium on Applied Genomics, Tokyo, Japan, December 4, 2009.
- 9) Speaker, “Ethical and Social Challenges in Whole Genome and Whole Exome Sequencing.” Kyoto University Panel on Personal Genomics, Kyoto, Japan, December 7, 2009.
- 10) Expert Speaker, “Exome Sequencing and Rare Diseases.” Institute of Medicine Committee on Accelerating Rare Diseases Research and Orphan Product Development, Washington, DC, February 4, 2010.
- 11) Speaker. “Ethical and Social Challenges in Whole Genome and Whole Exome Sequencing.” National Human Genome Research Institute (NHGRI) IRB Retreat, Rockville, MD, February 18, 2010.