
BIOGRAPHICAL SKETCH

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NAME Janet S. Sinsheimer		POSITION TITLE Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) Sinsheimer2			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Brown University, Providence, RI.	ScB	1975-1979	Chemistry
Brandeis University, Waltham, MA	MA	1980-1984	Biochemistry
UCLA, Los Angeles, CA	MS	1987-1988	Biomathematics
UCLA, Los Angeles, CA	PhD	1988-1994	Biomathematics

Positions and Honors

1982 – 87 Associate Scientist, Roche Diagnostic Systems, Hoffmann La Roche
1994 – 96 Assistant Adjunct Professor, Department of Biomathematics, UCLA Los Angeles, CA
1996 – 97 Senior Statistical Geneticist, Wellcome Trust Centre for Human Genetics, Oxford U, Oxford, UK
1997 – 99 Assistant Professor, Departments of Biostatistics and Biomathematics, UCLA, Los Angeles, CA
1999-02 Assistant Professor, Departments of Human Genetics, Biomathematics, and Biostatistics, UCLA
Fall, 2006 Visiting Associate Professor, Department of Biostatistics, University of Michigan
2002-07 Associate Professor, Departments of Human Genetics, Biomathematics, and Biostatistics, UCLA
2007 – pres Professor, Departments of Human Genetics, Biomathematics, and Biostatistics, UCLA
2008 – 13 Vice Chair, Biomathematics, UCLA.
2013 – pres Interim Chair, Biomathematics, UCLA.

Honors and Awards

1991 UCLA Distinguished Alumni Fellowship
1993 Dissertation Year Fellowship
1998 "Meet the Professor Session", Eur. Fed. of Endocrine Societies. Seville Spain
2001 Special invited speaker, Society of Systematic Biology, Knoxville Tennessee.
2001 Elected to Delta Omega Public Health Society
2005 Fellow, Center for Society and Genetics UCLA
2006 Key Note Speaker, Burroughs Wellcome Symposium, Princeton
2008 Invited Speaker, Banbury Conference Cold Spring Harbor Laboratories
2009 Invited Session Joint Statistical Meetings Speaker Washington D.C.
2011 Invited Speaker, Session Organizer, International Congress of Human Genetics Montreal CA
2013 Fellow of the American Statistical Association
2014 Fellow of the Linnean Society

Selected Peer-reviewed Publications (15 recent examples out of >130)

- (1) R.M. Cantor, K. Lange, **J.S. Sinsheimer** (2010) Prioritizing GWAS results: A review of statistical methods and recommendations for their application. *Am J Hum Genet.* 86:6-22 PMC2801749
- (2) E.J. Childs, E.M. Sobel, C.G. Palmer, **J.S. Sinsheimer** (2010) Detection of intergenerational genetic effects with application to HLA-B matching as a risk factor for schizophrenia. *Hum Hered.* 72:161-72 PMC3721948
- (3) M. Sehl, H. Zhou, **J.S. Sinsheimer**, K.L. Lange (2011) Extinction models for cancer stem cell therapy. *Math Biosci.* 234:132-46. PMC3312607
- (4) S. Bocklandt, W. Lin, M.E. Sehl, F.J. Sánchez, **J.S. Sinsheimer**, S. Horvath, E. Vilain (2011) Epigenetic predictor of age. *PLoS One.* 6:e14821. PMC3120753

- (5) H. Zhou, D.H. Alexander, M.E. Sehl, **J.S. Sinsheimer**, E.M. Sobel, K. Lange. (2011) Penalized regression for genome-wide association screening of sequence data. *Pac Symp Biocomp*. 2011:106-17. PMID: 21121038
- (6) J.A. Tom, **J.S. Sinsheimer**, M.A. Suchard. (2012) Does history repeat itself? Wavelets and the phylodynamics of influenza A. *Mol Biol Evol*. 2012 29:1367-77 PMC3339318
- (7) M.V. Reddy, I. Iatan, D. Weissglas-Volkov, E. Nikkola, B.E. Haas, M.J. Ruel, **J.S. Sinsheimer**, J. Genest, P. Pajukanta. (2012) Exome sequencing identifies 2 rare variants for low high-density lipoprotein cholesterol in an extended family. *Circ Cardiovasc Genet*. 5:538-46 PMC3515660
- (8) J.J. Zhou, A. Ghazalpour, E. M. Sobel, **J.S. Sinsheimer**, K. Lange (2012) QTL association mapping by imputation of strain origins in multifounder crosses. *Genetics* 190:459-73 PMC3276647
- (9) J.A. Lake, **J.S. Sinsheimer** (2013) The deep roots of the rings of life. *Genome Biol Evol*. 5:2440-8 PMC3879980
- (10) K. Lange, J.C. Papp, **J.S. Sinsheimer**, R. Sripracha, H. Zhou, E.M. Sobel. (2013) Mendel: the Swiss army knife of genetic analysis programs. *Bioinformatics*. 29:1568-70 PMC3673222
- (11) D. Weissglas-Volkov, C.A. Aguilar-Salinas, E. Nikkola, K.A. Deere, I. Cruz-Bautista, O. Arellano-Campos, L.L. Muñoz-Hernandez, L. Gomez-Munguia, M.L. Ordoñez-Sánchez, P.M. Reddy, A.J. Luskis, N. Matikainen, M.R. Taskinen, L. Riba, R.M. Cantor, **J.S. Sinsheimer**, T. Tusie-Luna, P. Pajukanta. J (2013) Genomic study in Mexicans identifies a new locus for triglycerides and refines European lipid loci. *J Med Genet*. 50:298-308. PMC3917605
- (12) E. Han, **J.S. Sinsheimer**, J. Novembre (2013) Characterizing bias in population genetic inferences from low coverage sequencing data. *Mol Biol Evol*. PMC3935184
- (13) G.B. Cybis, **J.S. Sinsheimer**, P. Lemey, M.A. Suchard. (2013) Graph hierarchies for phylogeography. *Philos Trans R Soc Lond B Biol Sci*. 368:20120206 PMC3678330
- (14) A. Ko, R.M. Cantor, D. Weissglas-Volkov, E. Nikkola, P.M. Reddy, **J.S. Sinsheimer**, et al (2014) Amerindian-specific regions under positive selection harbour new lipid variants in Latinos. *Nat Commun*. 5:3983 PMC4062071
- (15). K. Lange, J.C. Papp, **J.S. Sinsheimer**, E.M. Sobel (2014) Next Generation Statistical Genetics: Modeling, Penalization, and Optimization in High-Dimensional Data. *Ann Rev Stat Applic*. 1:279-300 PMC4062304
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