**CURRICULUM VITAE:** Michael Snyder

**Citizenship**  United States

**Present Address** Dept of Genetics

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**Education**

1973-1977 B.A. University of Rochester, Rochester, New York

 Chemistry and Biology

1978-1982 Ph.D. California Institute of Technology, Pasadena, California

 Department of Biology, Degree conferred 6/83

**Professional Experience**

1977-1978 Research Assistant, Department of Biology, University of

 Rochester, Rochester, New York

1978-1982 Graduate Student with Dr. Norman Davidson, California Institute

 of Technology, Pasadena, California

1982-1986 Postdoctoral Fellow with Dr. Ronald W. Davis, Department of

 Biochemistry, Stanford University School of Medicine,

 Stanford, California

1986-1990 Assistant Professor, Department of Biology, Yale University,

 Connecticut

1990-1997 Associate Professor, Department of Biology, Yale University,

 Connecticut (tenured 1994)

1997-2009 Professor, Dept. of Biology (now Mol. Cell. Devel. Biol.), Yale Univ., CT

1991-2009 Member Yale Comprehensive Cancer Center

1992-2009 Associate Professor/Professor (Joint Appointment), Department of Molecular Biophysics and Biochemistry, Yale University

1998-2004 Chair, Dept. of Molecular, Cellular and Developmental Biology, Yale Univ.

 (Dept. doubled in size and 3X in funds during my tenure).

2002-2009 Director of Undergraduate Studies, Yale MCDB Dept.

2002-2009 Director, Yale Center for Genomics and Proteomics

2006-2009 Genetics Society of America Board of Directors (Elected)

2006- 2008 President, US HUPO (Elected)

2001-2011 PI, Center of Excellence in the Genome Sciences (CEGS)

2017 -2018 President, Human Proteome Organization (HUPO)

2004-present PI, NIH Training Grant in Genomics and Proteomics (first Yale, now Stanford)

2009-present Chair, Department of Genetics, Stanford University School of Medicine

2009-present Director, Center for Genomics and Personalized Medicine

2013-present Director, CIRM Center for Stem Cell Genomics Ends 2019

2019- present Research Associate Karolinska Institute, Sweden (Unpaid)

**Academic Honors/Fellowships**

1978-1982 NIH Predoctoral Training Fellowship

1982-1985 Helen Hay Whitney Postdoctoral Fellowship

1986 United Scleroderma Foundation Award

1987-1991 Pew Scholar Award

1989 Yale Junior Faculty Fellowship

2000-2005 Burroughs Wellcome Scholar Award

2002 Genome Technology Finalist in Microarray Masters

2002-2009 Appointed Lewis B. Cullman Professor of MCDB

2007 Connecticut Medal of Science

2009 Pioneer Award, HUPO

2011 Named Stanford B. Ascherman Professor

2014, 2016 High Impact/Most Cited Scientists

2015 Elected American Academy of Sciences

2019 George Beadle Award GSA

**Genetics Society of America Acitivues**

Member since???

2006-2009. Genetics Society of America Board of Directors

2006-2010 Genetic Society of America Members and Meetings Committee

2006 Organizer, GSA International Meeting on Yeast Molecular Genetics

2016 Organizer, GSA International Meeting on Yeast Molecular Genetics, TAGC

I served on the orngaizing committee for many Yeast Meetings and attended nearly all of them since 1983

 **Advisory Committees Selected**

1989-2018 Member NIH Study Section- Ad hoc Reviewer

1993 Scientific Advisory Board Review Panel-American Cancer Society

1994-96 Howard Hughes Predoctoral Fellowship Review Committee

 2002 Damon Runyan Walter Winchell Review Panel

1996-2002 March of Dimes Grant Review Panel

1997 ATCC Advisory Committee

1999 NSF Division Review Panel

2000, 2002 NIH Study Section Review Working Group

 2000 Canadian Genome Center Review Panel

2001-~2008 Northeast Structural Genomics Consortium Scientific Advisory Committee

2001-2009 Member, Institute of Genetics Advisory Council, CIHR Canada

2002-2007 Member, Ontario Genome Institute Scientific Advisory Board

2002-2006 Member, Chinese National Human Genome Institute Advisory Board

2007-~2015 SAB, Integrated Genomics Project Univ. of Toronto

2008-2015 SAB, Duke Univ. Systems Biology Center

2003-2006 SAB, Blueprint Initiative

1. NIH Special Road Map Advisory Committee
2. External Reviewer, Dept. of Medical Genetics, Univ. of Toronto

2003-2010 Scientific Advisory Board, Gottenberg Univ. Genomics Meeting

2004-2007 Damon Runyan-Walter Winchell Review Panel

2007 NSF Plant Genomics Initiatives 5 Year Review

2008 External Review Committee, Gene Expression Unit, EMBL

2008 Proteomics Standards Initiative

2008 EDRN Review of Boston Group

2008 Review Committee for DOE Macromolecular Assemblies

2008 Proteomics Structure Committee Advisory Group

2008-2012 Member, MABS NIH Study Section; Chair 2010-2012

2006-2010 Genetic Society of America Members and Meetings Committee

2008-2011 Executive Committee of US HUPO

2008-present Executive Council of HUPO

2009 Univ. of Pennsylvania, Genomics & Computational Graduate Program Review

2008-2017 Uppsala Univ. Advisory Broad on Bertolli Center for Neurobiology

2009-2014 Advisory Board Member, Yeast Proteomics Center, Univ. of Manchester

2012-2019 Chair, Scientific Advisory Committee HPP

2013-present Executive Council Human Genome Meeting Ends Dec 31 2019

2014-present HUPO Executive Committee Ends Dec 31 2019

2018 UCDavis Precision Medicine Advisory Board

2019- present NIH NIDDK Council Ad Hoc

2017 CAGI Scientific Advisory Board (not paid)

2014-present Chair CTSA Scripps Translational Research Institute Advisory Board (Paid and Reimbursed

**Meeting Organizer**

1994 CoOrganizer, Juan March Meeting on Signal Transduction & Morphogenesis

1996 Chair, FASEB Meeting: Yeast Chromosome Structure, Repl. & Segregation

2000 Yeast Genetics Meeting Program Committee

1. CoOrganizer, ASBMB Genomics, Proteomics and Bioinformatics Meeting\*

2004 CoOrganizer, GSA International Meeting on Yeast Molecular Genetics

2004 CoOrganizer, CSH Plant Genomes: From Sequence to Phenomes

2006 CoOrganizer, ASBMB Genomics, Proteomics and Bioinformatics Meeting

2006 Organizer, GSA International Meeting on Yeast Molecular Genetics\*

2006 CoOrganizer, US HUPO

2007 CoOrganizer, CSH Plant Genomes: From Sequence to Phenomes

2007 CoOrganizer, Keystone Meeting on Functional Genomics

2008 CoOrganizer, Next is Now DNA Sequencing Symposium, Yale Univ.

2009 CoOrganizer, US HUPO

2010-13 CoOrganizer, Annual Stanford Symposium for Genomics and Personalized Medicine

2010 CoOrganizer, GSA, GENETICS 2010: Model Organisms to Human Biology

2012 CoOrganizer, The 13th International Conference on Systems Biology

2012 CoOrganizer, The 13th International Congress on Yeast

2012 Chair, 11th Annual HUPO World Congress

2014 Co Organizer, GSA International Meeting on Yeast Molecular Genetics

2016 Organizer, Keystone Conference on Genomics and Personalized Medicine

2016 Organizer, GSA International Meeting on Yeast Molecular Genetics, TAGC

2017 Genomics and Personalized Medcicine, Cancun

**Editorial Boards**

1996-2000 Editorial Board, The Dynamic Cell

2001-2004 Editorial Board, Chemistry and Biology

2000-2006 Editorial Board, FEMS Yeast Research

2007-2008 Editorial Board, Gene

2000-present Editor-in-Chief (until 2002; now Editor) Functional and Integrative Genomics

2001-present Editorial Board, Asscoiae Editor, Molecular and Cellular Proteomics

2002-present Editorial Board, Drug Discovery Today

2004- present Editorial Board, PloS Genetics

2005-present Editorial Board, Genes and Development

2005-present Editorial Board, Molecular Systems Biology

2011-present Scientific American

2009-present Molecular Cellular Proteomics

2011-present Clinical Proteomics

**Named/Distinguished Lectureships (starting 2004)**

2004 California Institute of Technology, Norman Davidson Lecture

2004 University of Chicago, Fredick Seitz Lecture

2004 Tulane University, Gerber Lecture

2004 University of Iowa, Raymond Fung Lecture

2006 Northeastern University, Hoehn Lecture

2007 EBI Distinguished Lecturer

2008 Northwestern University Distinguished Lectureship

2008 Fred Sherman Lecture, Univ. of Rochester

2008 MGH Distinguished Lecturer

2009 Univ of Pennsylvania, Bernard Cohen Lecture

2011 EMBL Dintinguished Lecturer

2012 Honorable Guest Speaker of Metabolomics Conference from Omics Group

2012 Distinguished Green Lecture Series in Systems Biology at UT Dallas

2013 Honorary Lecture at the Genetica Retraite in Rolduc, Maastricht

2013 Valdosa College Connell Lectureship

2013 Walbash College Special Lectureship

2014 General Electric Lectureship McGill Univ.

2014 Greenberg Lectureship, Univ. of Michigan

2015 Burdette Lecture, Univ. Texas, Austin

2015 Murduch Lecture. Mayo, Karolinska Symposium.

2016 Gerald Aubach Lecture ASBMP

2016 Cedars Sinai Distinguished Lectureship

2016 Wright Lectureship, Geneva

2017 Vincent Kidd Lectureship, St Judes, Memphis

2018 Wood Lecture, Case Western

2018 NCI Eminent Lecture Series

2018 NIEHS Distinguished Lecture Series

2019 Donal Kerr Lectureship Univ. of Michigan

**Keynote/Featured Speaker**

2000 University of Sherbrooke Graduate Symposium

2001 CHI: Functional Genomics

2002 Yale University Pathology Retreat

2002 Georgia Bioinformatics Symposium

2003 University of Texas Medical Faculty Symposium

2003 Structural and Functional Genomics, Singapore

2004 International Meeting On Arabidopsis

2004 Pennsylvania State Graduate Student Symposium

2005 Keystone Conference on Plant Signaling

2005 New York University: Genomics Symposium—Genomes in Action

2005 Chip to Hits

2005 Systems Biology Meeting

2006 AGCT Genomics Meeting

2006 Genomes to Biology Meeting, Manchester, UK

2006 Keystone Conference on Plant Abiotic Stress

2006 CHI Genes to Targets

2006 AUHUPO\*

2007 ABRF\*

2007 Pan American and Brazilian Biochemistry and Molecular Biology Meeting\*

2007 Uppsala Neuroscience Center Launch

2007 IBC Diagnostics 2 Discovery

2007 DREAM 2 Conference

2008 CHI Mining the Plasma Proteome

2008 Student Invited Speaker, Vanderbilt Genetics Retreat

2008 Genetics Day, Univ. of Rochester

2009 Lorne Genomics Meeting

2009 RECOMB 2009

2009 Stanford Clinical Genomics Retreat

2009 Univ. of Toronto Genomic Symposium

2009 Biomedical Engineering Conference

2009 International Yeast Genetics and Molecular Biology Meeting

2009 International Conference of Systems Biology

2009 Buck Symposia on Aging: Systems Biology of Aging

2010 Proteomics 2010

2010 14th Human Genome Meeting

2010 3rd Annual Joint Conference of Systems Biology, Regulatory Genomics, and Reverse Engineering Challenges

2010 9th Annual International Conference on Computational Systems Bioinformatics

2010 Stanford Mass Spectrometry Users Meeting

2011 J Craig Venter Institute: Human Genomics: The next 10 years

2012 Annual Stem Cell Symposium, Institute for Stem Cell and Regenerative Medicine

2012 New Frontiers in Computing Symposium

2012 The 13th International Conference on Systems Biology

2012 2012 Rustbelt RNA Meeting

2013 Institute for Biomedical Informatics  Genomics and Computational Biology  2013

2013 The 9th Molecular Biology of Hearing and Deafness Conference

2013 The Clinical Epigenome Conference

2013 Walbash College Special Lectureship

2014 Penn State Graduate symposium

2014 Mass Spectrometry Meeting San Franscisco, Keynote Speaker

2014 OBIC Symposium, Univ of Tubingen

2015 Lorne Genomics Meeting

2015 VIB Leadership Meeting

2015 Murduch Lecture. Mayo, Karolinska Symposium.

2015 Fluidym User Meeting

2016 NHLBI Proteomics Workshop, Denver

2016 Understand Your Genome Meeting, NYC

2016 Featured Panelist GET conference Boston

2016 Hertz Annual Meeting

2016 Green Mountain Forensic Meeting

2016 Gerald Aubach Lecture ASBMP

2106 HUPO Plenary Lecture

2016 Korean ASHG Society Dinner Lectureship

2016 Indian Proteomics Society

2017 HGM Plenary speaker

2017 CPH, Keynote

2017 KOGO symposium, Keynote

2017 Continum Symposium, Vienna Keynote

2018 UCLA retreat Keynote

2018 Hangzhou Personalized Medicine conference

2018 Advanced Proteomics, Italy

2018 SV Health

2018 Children’s Discovery & Innovation (CDI) Research Symposium

2018 Age Management Medicine

2018 EMBL-EBI RNA-Seq Workshop

2019 ABRF

2019 UCSF Prostate Cancer Meeting

2019 ASCO Bangkok

2019 Mt Sinai Artificial Intelligence

2019 EMBL Meeting on Complex Diseases

2019 British Society for Proteome Research

2019 Donald Kerr Symposium

**Enterpreneurial and Commercial Activity**

Exelexis 1990-1991 - CoFounder

Genaissance 1999-2001 Scientific Advisory Board (SAB)

Mycota 1996-2000 SAB

Protometrix 2001-2004 (now subsidiary of Invitrogen) Founder and Chair of SAB

RxGen 2003-2010 SAB

Affomix 2006- 2010 (now subsidiary of Illumina) Founder and Chair of SAB

DNANexus 2010-2011 SAB

AxioMX 2012-2015 SAB

Genapsys 2011-present SAB

Personalis 2010 Cofounder and SAB

Sensomics 2015-present Cofounder and SAB

Filtricine 2017-present Cofounder and SAB

QBio 2015-present Cofounder

January 2018-present Cofounder

Jungla 2016-2019 SAB Company acquitred

Mirvie 2019-present Cofounder

Protos 2019- present Cofounder

**Wikipedia Page: https://en.wikipedia.org/wiki/Michael\_P.\_Snyder**

**Publications: >600 Total; 20 with >1000 citations; h index 159)** [**https://profiles.stanford.edu/michael-snyder?tab=publications**](https://profiles.stanford.edu/michael-snyder?tab=publications)

1. Han CM, Catoe D, Munro SA, Khnouf R, Snyder MP, Santiago JG, Salit ML, Cenik C. [Simultaneous RNA purification and size selection using on-chip isotachophoresis with an ionic spacer.](https://www.ncbi.nlm.nih.gov/pubmed/31328753) Lab Chip. 2019 Jul 22. doi: 10.1039/c9lc00311h. [Epub ahead of print] PMID: 31328753
2. [MISTERMINATE Mechanistically Links Mitochondrial Dysfunction with Proteostasis Failure.](https://www.ncbi.nlm.nih.gov/pubmed/31378462) Wu Z, Tantray I, Lim J, Chen S, Li Y, Davis Z, Sitron C, Dong J, Gispert S, Auburger G, Brandman O, Bi X, Snyder M, Lu B. Mol Cell. 2019 Jul 19. pii: S1097-2765(19)30488-5. doi: 10.1016/j.molcel.2019.06.031. [Epub ahead of print] PMID: 31378462
3. [A machine-compiled database of genome-wide association studies.](https://www.ncbi.nlm.nih.gov/pubmed/31350405) Kuleshov V, Ding J, Vo C, Hancock B, Ratner A, Li Y, Ré C, Batzoglou S, Snyder M. Nat Commun. 2019 Jul 26;10(1):3341. doi: 10.1038/s41467-019-11026-x. PMID: 31350405
4. Lee J, Termglinchan V, Diecke S, Itzhaki I, Lam CK, Garg P, Lau E, Greenhaw M, Seeger T, Wu H, Zhang JZ, Chen X, Gil IP, Ameen M, Sallam K, Rhee JW, Churko JM, Chaudhary R, Chour T, Wang PJ, Snyder MP, Chang HY, Karakikes I, Wu JC. [Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy.](https://www.ncbi.nlm.nih.gov/pubmed/31316208) Nature. 2019 Jul 17. doi: 10.1038/s41586-019-1406-x. PMID: 31316208
5. Stowers RS, Shcherbina A, Israeli J, Gruber JJ, Chang J, Nam S, Rabiee A, Teruel MN, Snyder MP, Kundaje A, Chaudhuri O. [Matrix stiffness induces a tumorigenic phenotype in mammary epithelium through changes in chromatin accessibility.](https://www.ncbi.nlm.nih.gov/pubmed/31285581) Nat Biomed Eng. 2019 Jul 8. doi: 10.1038/s41551-019-0420-5. PMID: 31285581
6. Gruber JJ, Geller B, Lipchik AM, Chen J, Salahudeen AA, Ram AN, Ford JM, Kuo CJ, Snyder MP. [HAT1 Coordinates Histone Production and Acetylation via H4 Promoter Binding.](https://www.ncbi.nlm.nih.gov/pubmed/31278053) Mol Cell. 2019 Jun 18. pii: S1097-2765(19)30406-X. doi: 10.1016/j.molcel.2019.05.034. [Epub ahead of print] PMID: 31278053
7. Landegren N, Rosen LB, Freyhult E, Eriksson D, Fall T, Smith G, Ferre EMN, Brodin P, Sharon D, Snyder M, Lionakis M, Anderson M, Kämpe O. [Comment on 'AIRE-deficient patients harbor unique high-affinity disease-ameliorating autoantibodies'.](https://www.ncbi.nlm.nih.gov/pubmed/31244471) Elife. 2019 Jun 27;8. pii: e43578. doi: 10.7554/eLife.43578. PMID: 31244471
8. Huang M, Tailor J, Zhen Q, Gillmor AH, Miller ML, Weishaupt H, Chen J, Zheng T, Nash EK, McHenry LK, An Z, Ye F, Takashima Y, Clarke J, Ayetey H, Cavalli FMG, Luu B, Moriarity BS, Ilkhanizadeh S, Chavez L, Yu C, Kurian KM, Magnaldo T, Sevenet N, Koch P, Pollard SM, Dirks P, Snyder MP, Largaespada DA, Cho YJ, Phillips JJ, Swartling FJ, Morrissy AS, Kool M, Pfister SM, Taylor MD, Smith A, Weiss WA. [Engineering Genetic Predisposition in Human Neuroepithelial Stem Cells Recapitulates Medulloblastoma Tumorigenesis.](https://www.ncbi.nlm.nih.gov/pubmed/31204176) Cell Stem Cell. 2019 Jun 13. pii: S1934-5909(19)30217-6. doi: 10.1016/j.stem.2019.05.013. PMID: 31204176
9. Chen J, Haanpää MK, Gruber JJ, Jäger N, Ford JM, Snyder MP. [High-Resolution Bisulfite-Sequencing of Peripheral Blood DNA Methylation in Early-Onset and Familial Risk Breast Cancer Patients.](https://www.ncbi.nlm.nih.gov/pubmed/31175093) Clin Cancer Res. 2019 Jun 7. doi: 10.1158/1078-0432.CCR-18-2423. PMID: 31175093
10. Zhou W, Sailani MR, Contrepois K, Zhou Y, Ahadi S, Leopold SR, Zhang MJ, Rao V, Avina M, Mishra T, Johnson J, Lee-McMullen B, Chen S, Metwally AA, Tran TDB, Nguyen H, Zhou X, Albright B, Hong BY, Petersen L, Bautista E, Hanson B, Chen L, Spakowicz D, Bahmani A, Salins D, Leopold B, Ashland M, Dagan-Rosenfeld O, Rego S, Limcaoco P, Colbert E, Allister C, Perelman D, Craig C, Wei E, Chaib H, Hornburg D, Dunn J, Liang L, Rose SMS, Kukurba K, Piening B, Rost H, Tse D, McLaughlin T, Sodergren E, Weinstock GM, Snyder M. [Longitudinal multi-omics of host-microbe dynamics in prediabetes.](https://www.ncbi.nlm.nih.gov/pubmed/31142858) Nature. 2019 May;569(7758):663-671. doi: 10.1038/s41586-019-1236-x. Epub 2019 May 29. PMID: 31142858
11. Integrative HMP (iHMP) Research Network Consortium. [The Integrative Human Microbiome Project.](https://www.ncbi.nlm.nih.gov/pubmed/31142853) Nature. 2019 May;569(7758):641-648. doi: 10.1038/s41586-019-1238-8. Epub 2019 May 29. PMID: 31142853.
12. Marciano DP, Snyder MP. [Personalized Metabolomics.](https://www.ncbi.nlm.nih.gov/pubmed/31119679) Methods Mol Biol. 2019;1978:447-456. doi: 10.1007/978-1-4939-9236-2\_27. PMID: 31119679
13. Csabai Z, Tombácz D, Deim Z, Snyder M, Boldogkői Z. [Analysis of the Complete Genome Sequence of a Novel, Pseudorabies Virus Strain Isolated in Southeast Europe.](https://www.ncbi.nlm.nih.gov/pubmed/31093307) Can J Infect Dis Med Microbiol. 2019 Apr 4;2019:1806842. doi: 10.1155/2019/1806842. eCollection 2019. PMID: 31093307
14. Schüssler-Fiorenza Rose SM, Contrepois K, Moneghetti KJ, Zhou W, Mishra T, Mataraso S, Dagan-Rosenfeld O, Ganz AB, Dunn J, Hornburg D, Rego S, Perelman D, Ahadi S, Sailani MR, Zhou Y, Leopold SR, Chen J, Ashland M, Christle JW, Avina M, Limcaoco P, Ruiz C, Tan M, Butte AJ, Weinstock GM, Slavich GM, Sodergren E, McLaughlin TL, Haddad F, Snyder MP. [A longitudinal big data approach for precision health.](https://www.ncbi.nlm.nih.gov/pubmed/31068711) Nat Med. 2019 May;25(5):792-804. doi: 10.1038/s41591-019-0414-6. Epub 2019 May 8. PMID: 31068711
15. Fotiou E, Martin-Almedina S, Simpson MA, Lin S, Gordon K, Brice G, Atton G, Jeffery I, Rees DC, Mignot C, Vogt J, Homfray T, Snyder MP, Rockson SG, Jeffery S, Mortimer PS, Mansour S, Ostergaard P. [Author Correction: Novel mutations in PIEZO1 cause an autosomal recessive generalized lymphatic dysplasia with non-immune hydrops fetalis.](https://www.ncbi.nlm.nih.gov/pubmed/31028252) Nat Commun. 2019 Apr 26;10(1):1951. doi: 10.1038/s41467-019-09905-4.PMID: 31028252
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17. Li J, Li X, Zhang S, Snyder M. [Gene-Environment Interaction in the Era of Precision Medicine.](https://www.ncbi.nlm.nih.gov/pubmed/30901546) Cell. 2019 Mar 21;177(1):38-44. doi: 10.1016/j.cell.2019.03.004. PMID:0901546\\
18. Rego S, Dagan-Rosenfeld O, Bivona SA, Snyder MP, Ormond KE. [Much ado about nothing: A qualitative study of the experiences of an average-risk population receiving results of exome sequencing.](https://www.ncbi.nlm.nih.gov/pubmed/30835913) J Genet Couns. 2019 Apr;28(2):428-437. doi: 10.1002/jgc4.1096. Epub 2019 Mar 5. PMID: 30835913
19. Sailani MR, Halling JF, Møller HD, Lee H, Plomgaard P, Pilegaard H, Snyder MP, Regenberg B. [Lifelong physical activity is associated with promoter hypomethylation of genes involved in metabolism, myogenesis, contractile properties and oxidative stress resistance in aged human skeletal muscle.](https://www.ncbi.nlm.nih.gov/pubmed/30824849) Sci Rep. 2019 Mar 1;9(1):3272. doi: 10.1038/s41598-018-37895-8. PMID: 30824849
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21. 2017 NIH-wide microbiome workshop writing team. 2017 NIH-wide workshop report on The Human Microbiome: Emerging Themes at the Horizon of the 21st Century Microbiome. 2019 Feb 26;7(1):32. doi: 10.1186/s40168-019-0627-4. PMID 30808401
22. Tombácz D, Maróti Z, Kalmár T, Palkovits M, Snyder M, Boldogkői Z. [Whole-exome sequencing data of suicide victims who had suffered from major depressive disorder.](https://www.ncbi.nlm.nih.gov/pubmed/30720799) Sci Data. 2019 Feb 5;6:190010. doi: 10.1038/sdata.2019.10. PMID: 30720799
23. Miyagawa K, Shi M, Chen PI, Hennigs JK, Zhao Z, Wang M, Li CG, Saito T, Taylor S, Sa S, Cao A, Wang L, Snyder MP, Rabinovitch M. [Smooth Muscle Contact Drives Endothelial Regeneration by BMPR2-Notch1-Mediated Metabolic and Epigenetic Changes.](https://www.ncbi.nlm.nih.gov/pubmed/30582451) Circ Res. 2019 Jan 18;124(2):211-224. doi: 10.1161/CIRCRESAHA.118.313374. PMID: 30582451
24. Van Eyk JE, Snyder MP. [Precision Medicine: Role of Proteomics in Changing Clinical Management and Care.](https://www.ncbi.nlm.nih.gov/pubmed/30296097) J Proteome Res. 2019 Jan 4;18(1):1-6. doi: 10.1021/acs.jproteome.8b00504. Epub 2018 Oct 22 PMID: 30296097
25. Jiang C, Wang X, Li X, Inlora J, Wang T, Liu Q, Snyder M. [Dynamic Human Environmental Exposome Revealed by Longitudinal Personal Monitoring.](https://www.ncbi.nlm.nih.gov/pubmed/30241608) Cell. 2018 Sep 20;175(1):277-291.e31. doi: 10.1016/j.cell.2018.08.060. PMID: 30241608
26. [Decoding the Genomics of Abdominal Aortic Aneurysm.](https://www.ncbi.nlm.nih.gov/pubmed/30193110) Li J, Pan C, Zhang S, Spin JM, Deng A, Leung LLK, Dalman RL, Tsao PS, Snyder M. Cell. 2018 Sep 6;174(6):1361-1372.e10. doi: 10.1016/j.cell.2018.07.021. PMID: 30193110
27. [A Cloud-Based Metabolite and Chemical Prioritization System for the Biology/Disease-Driven Human Proteome Project.](https://www.ncbi.nlm.nih.gov/pubmed/30094994) Yu KH, Lee TM, Chen YJ, Ré C, Kou SC, Chiang JH, Snyder M, Kohane IS. J Proteome Res. 2018 Dec 7;17(12):4345-4357. doi: 10.1021/acs.jproteome.8b00378. Epub 2018 Aug 21. PMID: 30094994
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29. [Natural Selection Has Differentiated the Progesterone Receptor among Human Populations.](https://www.ncbi.nlm.nih.gov/pubmed/29937092) Li J, Hong X, Mesiano S, Muglia LJ, Wang X, Snyder M, Stevenson DK, Shaw GM. Am J Hum Genet. 2018 Jul 5;103(1):45-57. doi: 10.1016/j.ajhg.2018.05.009. Epub 2018 Jun 21. PMID:29937092
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403. **Snyder M**, Drlica K. DNA Gyrase on the bacterial chromosome: DNA cleavage induced by oxolinic acid. *J Mol Biol.* 1979;131: 287-302.
404. Drlica K, **Snyder M**. Superhelical Escherichia coli DNA: relaxation by coumermycin. *J Mol Biol.* 1978;120: 145-154.

**Textbook**

Snyder, M. **Genomics and Personalized Medicine: What Everyone Needs to Know**. 2016 Oxford University Press.

**Seminars/Talks at Meetings**

I give 30-60 talks each year—the most prominent lectureships and keynotes are listed above. ~3-6 of these are public lectures on genomics and/or personalized medicine.

**Yale Biology Departmental Positions** (Since 1986)

Director of Undergraduate Studies, Biology Spring Term 1989

 Implemented Several New Elements into Departmental Curriculum including:

 New BS/MS program; Departmental Advising Handbook; Biology Curriculum Revisions

Director of Undergraduate Studies, Biology 1996-2002

Undergraduate Affairs Committee 1987-1989, 1992-93, 1996-1998

Departmental Space Committee 1987-1988

Departmental Animal Care Facilities 1987-1990

Departmental Executive Committee, Div. I 1988-1989, 1996-1998

Chairman, Biology Department Cookie Committee 1986-1991

In charge of Kline Media Facility 1986-present

Curriculum Committee Spring, 1989

Business Office Review committee 1990-1992

Graduate Affairs Committee 1990-1992, 1993-1995

Faculty Search Committee (for Two Plant Scientists) 1990-1991

Faculty Search Committee (Molecular Signaling) 1994-95

Faculty Search Committee (Computational Biology ) 2006-2007

Faculty Search Committee (All areas) 2007-2008

Segraves Faculty Review/Reappointment Committee, Chairman (1994)

Irish Review Committee 1996-97

Departmental Seminar Coordinator 1994-95

Joint Appointments Committee 1997

Department Chair, 1998-2004

Biological Sciences Advisory Committee 2005-2009

Stockroom Committee 1993-94, 1994-95

Faculty Search Committee 1996-97

**University Positions**

Graduate School Executive Committee 1996-97

Yale Science Forum Organizing Committee 1999-2004

Embryonic Stem Cell Oversight Committee 2006-2009

Biomedical Engineering Search Committee 1999-2001

Microarray Oversight Committee 1999-2009

Peking University-Yale Plant Molecular Biology Center Steering Committee 2000-2009

Bioinformatics Planning Committee 2000-2009

Keck Center Oversight Committee 2001-2009

Corporate Partners Program, Director 1998-2009

STARS Undergraduate Research Advisory Committee, 2001-2009

I am involved in and oversee numerous minority programs (e.g. Teachers Workshops, etc.)

Stanford School of Medicne

 Campaign Committee

 Executive Committee

**Stanford Positions listed above.**

**Professional Organizations**

Genetics Society of America

American Association for the Advancement of Science

American Society for Cell Biology

American Society for Microbiology

U.S. HUPO

HUPO

**Mentoring**

**Graduate PhD Mentor (~70 students)**

Many have gone on to high profile academic and industry careers (e.g. John Rinn, Univ. Of Colorado; Brendan Manning, Harvard School of Public Health; Christine Horak, Bristol-Myers-Squibb, Grace Wang, cofounder of Fitricine)

**Postdoctoral Mentor (!180)**

Many have gone on to high profile academic and industry careers (e.g. Heng Zhu, Johns Hopkins; Jackie Vogel, McGill; Yves Barral ETH; Petra Ross-MacDonald, Bristol-Myers-Squibb; Alan Boyle and Anuj Kumar, Univ. of Michigan, Doug Phansteil, Univ. of North Carolina, George Mias, Michigan State, Baoxu Pang, Netherland); Csrlos Araya, coFounder of Jungla, Xiyan, Li, Xin Wang, cofounder of Fitricine, Robert Nichols, cofounder)

**Undergraduate Resaerch (~120)** Ellen Foxman, Assit Prof. Yale Univ.

**High School Students (~65)**

>95% of trainees have gone onto successful careers in STEM and related fields.

**Undergraduate Academic Advisor**

Yale ~~160 students

Yale, Director of Undergraduate Studies 1992-1998. Revised the MCDB curriculum.

Stanford 32 students Academic Advising