

CURRICULUM VITAE

Name: Rui Chen

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Nationality: P. R. China (Citizen);

U.S.A. (Permanent Resident since 11/17/2010, Category: E16, **Alien with Extraordinary Ability**).

HIGHLIGHTS

- Spearheaded in Personalized Healthy Monitoring and Preventative Medicine with iPOP.
- Expertise in Human Disease-Oriented Research Utilizing High Throughput Technologies.
- Expertise in Ovarian Cancer Chemoresistance Research.
- Extensive Collaboration Experience.
- Four Publications F1000Prime RECOMMENDED.

EDUCATION

1. 2002 – 2008 : **Doctor of Philosophy** (05/2008), **Master of Science** (05/2005)
Graduate School of Arts and Sciences, **Yale University**
Department: Molecular, Cellular and Developmental Biology
2. 1999 – 2002 : **Master of Science**
School of Life Sciences, **Fudan University**, P. R. China
Program: Biochemistry and Molecular Biology (**Entrance Exam Exempted**)
3. 1995 – 1999 : **Bachelor of Science**
School of Life Sciences, **Fudan University**, P. R. China
Program: Biology (09/1995-07/1997); **Advanced Science Class** (07/1997-07/1999)

POSTDOCTORAL TRAINING

1. 2009 – present: **Postdoctoral Scholar**
Department: Genetics, **Stanford University** School of Medicine
2. 2008 – 2009 : **Postdoctoral Associate**
Department: Molecular, Cellular and Developmental Biology, **Yale University**

RESEARCH & WORK EXPERIENCE

1. 08/2009 – present : Postdoctoral Scholar, Advisor: Dr. Michael Snyder (Dept. of Genetics, Stanford University), focusing on 1) personalized health monitoring and preventative medicine with integrative Personal Omics Profile (iPOP) analysis. 2) Systems approach to understanding asthma; 3) Unraveling Mendelian Diseases with high throughput sequencing; 4) Autoantibody biomarker detection of Myelodysplastic Syndromes.
2. 06/2008 – 07/2009 : Postdoctoral Associate, Advisor: Dr. Michael Snyder (Dept. of Molecular, Cellular and Developmental Biology, Yale University), studies on the identification of viral and autoantigen biomarkers of asthma using protein microarray technology as well as RNA-Sequencing.
3. 08/2004 – 05/2008 : Ph.D. student, Advisor: Dr. Gil G. Mor (Dept. of OB/GYN, Yale University), studies on the molecular mechanisms linking inflammation with cancer development and chemoresistance, with a focus on the important role of the TLR4 pathway components, especially IKK β and hsa-miR-199a in cancer progression and chemoresistance.
4. 03/2003 – 08/2004 : Ph.D. student, Advisor: Dr. David C. Ward (Dept. of Genetics, Yale University), focusing on identification and characterization of genetic markers for susceptibility of malaria, diabetes, and Autism Spectrum Disorders, and development of optical thin film-based genotyping methods.
5. 08/2002 – 02/2003 : Ph.D. student rotation research (Yale University): characterization of the function of TAK1 in Toll-like Receptor (TLR) signaling pathways; study on mechanism of immune induction of viral pathogens at the mucosal surfaces.
6. 09/1998 – 07/2002 : Research Assistant and then M.S. student in the National Key Laboratory of Chinese Genome Research Project at Fudan University directed by Prof. Kaiming Cao, focusing on identification and characterization of flowering-related MADS-Box Genes in rice.
7. 02/1998 – 07/1998 : Research Assistant in the Human Genome Lab at Fudan University directed by Prof. Long Yu, focusing on sequence-based prediction and identification of new genes.
8. 09/1997 – 01/1998 : Practicum focusing on the mite pesticide efficiency.

AWARDS AND HONORS

- DeLill Nasser Award for Professional Development in Genetics from the Genetics Society of America (05/2012).
- John Spangler Nicholas Prize for outstanding doctoral student in experimental zoology at the 2008 commencement of Yale University (05/2008).
- SGI President's Presenter Award and Wyeth Pharmaceuticals grant on the 2008 SGI (Society for Gynecologic Investigation) international meeting (03/2008).
- Dudley Leland Wadsworth Fellowship Award (2004~2005 academic year).
- Chinese Academy of Science Scholarship for Exceptional Graduate Student of Fudan University (2000~2001 academic year).
- Exceptional Graduate Student Scholarship of Fudan University (1999~2000 academic year).
- People's Academic Scholarship of Fudan University (was awarded twice for both semesters) (1997-1998 academic year).
- People's Academic Scholarship of Fudan University (was awarded twice for both semesters) (1996-1997 academic year).

- People's Academic Scholarship of Fudan University (was awarded twice for both semesters) (1995-1996 academic year).
- Ranked 1st /15 and 1st /27 in my B.S. and M.S. class at Fudan University.
- Elected into the Advanced Science Class of Fudan University in 1997.
- Accepted into Master of Science program at Fudan University with exemption from normally mandatory entrance examination due to academic excellence in 1999.
- Acquired U.S. permanent residency as Alien with Extraordinary Ability (Category E16).

PUBLICATIONS

(* Co-First Author)

Manuscripts Submitted:

1. Kuleshov V*, Xie D*, **Chen R***, Pushkarev D, Ma Z, Blauwkamp T, Kertesz K, Snyder M. Whole-Genome Haplotyping Using a Combination of Dilution and Statistical Methods. (In Revision at *Nat Biotechnol.*)
2. Mias GI*, **Chen R***, Zhang Y, Sridhar K, Sharon D, Xiao L, Im H, Snyder MP, Greenberg PL. Specific Plasma Autoantibody Reactivity in Myelodysplastic Syndromes. (In Revision)

Peer-Reviewed Publications (in reverse chronological order):

1. Menon R, Im H, Zhang E, Wu S, **Chen R**, Snyder M, Hancock W, Omenn G. Distinct Splice Variants and Pathway Enrichment in the Cell Line Models of Aggressive Human Breast Cancer Subtypes. *J Proteome Res.* (Accepted).
2. **Chen R***, Giliani S*, Lanzi G, Mias GI, Lonardi S, Dobbs K, et al. Whole-Exome Sequencing Identifies Tetratricopeptide Repeat Domain 7A (*TTC7A*) Mutations for Combined Immunodeficiency with Intestinal Atresias. *J Allergy Clin Immunol.* 2013;132(3):656-664.e17. PMID: 23830146. (**Second co-first author is collaborator PI**)

Highlighted as Editors' Choice.

3. Clark MJ, **Chen R**, Snyder M. Exome Sequencing by Targeted Enrichment. *Curr Protoc Mol Biol.* 2013 April;Chapter7:Unit7.12. PMID: 23547016.
4. Liu S, Im H, Bairoch A, Cristofanilli M, **Chen R**, Deutsch EW, et al. A Chromosome-Centric Human Proteome Project (C-HPP) to Characterize the Sets of Proteins Encoded in Chromosome 17. *J Proteome Res.* 2013;12(1):45-57. PMID: 23259914.
5. **Chen R**, Snyder M. Promise of Personalized Omics to Precision Medicine. *Wiley Interdiscip Rev Syst Biol Med.* 2013;5(1):73-82. PMID: 23184638.

Article featured by publisher on the Wiley Life Sciences Blog (WiSci) [<http://wisciblog.com/2013/08/14/molecular-snapshots-of-health-and-disease-omics-for-precision-medicine/>].

6. **Chen R**, Snyder M. Systems biology: personalized medicine for the future? *Curr Opin Pharmacol.* 2012;12(5):623-628. PMID: 22858243.
7. Sun N, Yazawa M, Liu J, Han L, Sanchez-Freire V, Abilez OJ, Navarrete EG, Hu S, Wang L, Lee A, Pavlovic A, Lin S, **Chen R**, et al. Patient-specific induced pluripotent stem cells as a model for familial dilated cardiomyopathy. *Sci Transl Med.* 2012;4(130):130ra147. PMID: 22517884.

8. **Chen R***, Mias GI*, Li-Pook-Than J*, Jiang L*, Lam HY, Miriami E, et al. Personal omics profiling reveals dynamic molecular and medical phenotypes. *Cell*. 2012;148(6):1293-307. PMID: 22424236.

Featured as the only research paper in the March 16th, 2012 special issue of Cell, and selected as the "Genome Advance of the Month" by the National Human Genome Research Institute. Selected into Cell -- Best of 2012. 212 Citations as of 10/16/2013. F1000Prime RECOMMENDED.

9. Lam HY, Pan C, Clark MJ, Lacroute P, **Chen R**, Haraksingh R, et al. Detecting and annotating genetic variations using the HugeSeq pipeline. *Nat Biotechnol*. 2012;30(3):226-9. PMID: 22398614.
10. Paik YK, Jeong SK, Omenn GS, Uhlen M, Hanash S, Cho SY, Lee HJ, Na K, Choi EY, Yan F, Zhang F, Zhang Y, Snyder M, Cheng Y, **Chen R**, et al. The Chromosome-Centric Human Proteome Project for cataloging proteins encoded in the genome. *Nat Biotechnol*. 2012;30(3):221-3. PMID: 22398612.
11. Lam HY, Clark MJ, **Chen R**, Chen R, Natsoulis G, O'Huallachain M, et al. Performance comparison of whole-genome sequencing platforms. *Nat Biotechnol*. 2012;30(1):78-82. PMID: 22178993.

First comprehensive comparison of Illumina and Complete Genomics whole genome sequencing platforms. Served as leading experimentalist and coordinator. F1000Prime RECOMMENDED.

12. Clark MJ*, **Chen R***, Lam HY, Karczewski KJ, Euskirchen G, Butte AJ, et al. Performance comparison of exome DNA sequencing technologies. *Nat Biotechnol*. 2011;29(10):908-14. PMID: 21947028.

First comprehensive comparison of three exome-sequencing platforms. 107 Citations as of 10/16/2013. F1000Prime RECOMMENDED.

13. Fasolo J, Sboner A, Sun MG, Yu H, **Chen R**, Sharon D, et al. Diverse protein kinase interactions identified by protein microarrays reveal novel connections between cellular processes. *Genes Dev*. 2011;25(7):767-78. PMCID: 3070938. PMID: 21460040.

F1000Prime RECOMMENDED.

14. **Chen R**, Snyder M. Yeast proteomics and protein microarrays. *J Proteomics*. 2010;73(11):2147-57. PMID: 20728591.
15. Sharon D*, **Chen R***, Snyder M. Systems biology approaches to disease marker discovery. *Dis Markers*. 2010;28(4):209-24. PMID: 20534906.
16. Yin G*, **Chen R***, Alvero AB, Fu HH, Holmberg J, Glackin C, et al. TWISTing stemness, inflammation and proliferation of epithelial ovarian cancer cells through MIR199A2/214. *Oncogene*. 2010;29(24):3545-53. PMCID: 2889129.
17. Alvero AB, Montagna MK, **Chen R**, Kim KH, Kyungjin K, Visintin I, et al. NV-128, a novel isoflavone derivative, induces caspase-independent cell death through the Akt/mammalian target of rapamycin pathway. *Cancer*. 2009;115(14):3204-16. PMCID: 2757274.
18. Alvero AB, **Chen R**, Fu HH, Montagna M, Schwartz PE, Rutherford T, et al. Molecular phenotyping of human ovarian cancer stem cells unravels the mechanisms for repair and chemoresistance. *Cell Cycle*. 2009;8(1):158-66. PMCID: 3041590.
19. **Chen R**, Alvero AB, Silasi DA, Kelly MG, Fest S, Visintin I, et al. Regulation of IKKbeta by miR-199a affects NF-kappaB activity in ovarian cancer cells. *Oncogene*. 2008;27(34):4712-23. PMCID: 3041589.
20. **Chen R**, Alvero AB, Silasi DA, Steffensen KD, Mor G. Cancers take their Toll--the function and regulation of Toll-like receptors in cancer cells. *Oncogene*. 2008;27(2):225-33. PMID: 18176604.

21. Silasi DA, Alvero AB, Mor J, **Chen R**, Fu HH, Montagna MK, et al. Detection of cancer-related proteins in fresh-frozen ovarian cancer samples using laser capture microdissection. *Methods Mol Biol.* 2008;414:35-45. PMID: 18175810.
22. **Chen R**, Alvero AB, Silasi DA, Mor G. Inflammation, cancer and chemoresistance: taking advantage of the toll-like receptor signaling pathway. *Am J Reprod Immunol.* 2007;57(2):93-107. PMID: 17217363.
23. Fest S, Aldo PB, Abrahams VM, Visintin I, Alvero A, **Chen R**, et al. Trophoblast-macrophage interactions: a regulatory network for the protection of pregnancy. *Am J Reprod Immunol.* 2007;57(1):55-66. PMID: 17156192.
24. Silasi DA, Alvero AB, Illuzzi J, Kelly M, **Chen R**, Fu HH, et al. MyD88 predicts chemoresistance to paclitaxel in epithelial ovarian cancer. *Yale J Biol Med.* 2006;79(3-4):153-63. PMCID: 1994803. PMID: 17940625.
25. Kelly MG, Alvero AB, **Chen R**, Silasi DA, Abrahams VM, Chan S, et al. TLR-4 signaling promotes tumor growth and paclitaxel chemoresistance in ovarian cancer. *Cancer Res.* 2006;66(7):3859-68. PMID: 16585214.
26. Zhong XB, Leng L, Beitin A, **Chen R**, McDonald C, Hsiao B, et al. Simultaneous detection of microsatellite repeats and SNPs in the macrophage migration inhibitory factor (MIF) gene by thin-film biosensor chips and application to rural field studies. *Nucleic Acids Res.* 2005;33(13):e121. PMCID: 1182331.
27. Jia H, **Chen R**, Cong B, Cao K, Sun C, Luo D. Characterization and transcriptional profiles of two rice MADS-box genes. *Plant Sci.* 2000;155(2):115-22. PMID: 10814814.
28. **Chen R**, Gao ZZ, Zhan SX, et al. Cloning and structural analysis of the full-length cDNA of two rice flowering-related MADS-box genes. *J. Fudan University (Nat. Sci.).* 2003;42(4):570-576. [Article in Chinese, no PMID]
29. Gao ZZ, **Chen R**, et al. Detecting the expression of a flower development MADS-box gene in rice. *J. Fudan University (Nat. Sci.).* 2002;41(1):52-56. [Article in Chinese, no PMID]

Manuscripts in Preparation:

1. **Chen R***, Mias GI*, Jenks JA, Lyu S, Runyon S, Li-Pook-Than J, Euskirchen G, Lacroute P, Nadeau K, Snyder M. An Omics View of Asthma through Discordant Monozygotic Twins.
2. Xie D*, **Chen R***, Yu K*, Kukurba K, Li-Pook-Than J, Snyder M. Whole Genome Phasing and Analysis of a Personal Methylome.
3. Mias GI*, Im H*, Jiang L*, Mitsunaga E*, **Chen R**, et al. Network Inference, Integrative Dynamic Omics and Personalized Medicine.

Ph.D. Dissertation:

1. Molecular Mechanisms Linking Inflammation, Cancer and Chemoresistance (Yale University, 2008, ISBN 0549650202, 9780549650201).

Book Chapters:

1. **Chen R**, Im H, Snyder M. Genomic Analysis Using High-Throughput Sequencing, Chapter II.1.2. Targeted Enrichment/Exome Capture (Cold Spring Harbor Laboratory Press, 2012, in production).

Meeting Abstracts:

1. **Chen R**, Runyon S, Li-Pook-Than J, et al. Asthma: An Omics View through Discordant Monozygotic Twins (ASHG 2012 Annual Meeting, San Francisco, CA, 2012).

2. Mias GI, Im H, Mitsunaga E, **Chen R**, *et al.* Network Inference, Integrative Dynamic Omics and Personalized Medicine (ASHG 2012 Annual Meeting, San Francisco, CA, 2012).
3. Dewey F, Cordero S, Wheeler M, Pavlovic A, Bommakanti K, Pan S, Caleshu C, **Chen R**, Snyder M, Ashley E. Whole Exome Sequencing and Hypertrophic Cardiomyopathy (ASHG 2012 Annual Meeting, San Francisco, CA, 2012).
4. **Chen R***, Mias GI*, Li-Pook-Than J*, Jiang L*, *et al.* Integrative Personalized Omics Profiling Reveals Complex Molecular Phenotypes and Monitorable Medical Risks (US HUPO, San Francisco CA, 2012).
5. **Chen R***, Mias GI*, Li-Pook-Than J*, Jiang L*, *et al.* Personalized Omics Profiling Unveils Complex Molecular Phenotypes and Monitorable Medical Risks (Keystone Symposia: Complex Traits: Genomics and Computational Approaches, Breckenridge CO, 2012).
6. Mias G*, **Chen R***, Li-Pook-Than J*, Jiang L*, *et al.* Personalized Medicine Through Integrative Dynamic Omics (The Biology of Genomes, Cold Spring Harbor, NY, 2012).
7. Mias G*, **Chen R***, Li-Pook-Than J*, Jiang L*, *et al.* Personalized Medicine Through Integrative Dynamic Omics (HUPO 2012, Boston, MA, 2012).
8. Snyder M, **Chen R**, *et al.* Whole Omics Profiling Reveals Medical and Complex Molecular Phenotypes (American Society of Human Genetics/ICHG, Montreal, Canada, 2011).
9. Clark MJ, **Chen R**, *et al.* A Comprehensive Comparison of Whole Human Genome and Exome Sequencing Technologies (American Society of Human Genetics/ICHG, Montreal, Canada, 2011).
10. Pan S, **Chen R**, *et al.* Exome Sequencing and Linkage Filters Identify Novel Candidate Mutations in a Family with Left-Ventricular Non-Compaction (American Society of Human Genetics/ICHG, Montreal, Canada, 2011).
11. Li-Pook-Than J, **Chen R**, *et al.* Heteroallelic expression and RNA editing using high-throughput RNA sequencing (American Society of Human Genetics/ICHG, Montreal, Canada, 2011).
12. Dewey F, Cordero S, Wheeler MT, Pavlovic A, Bommakanti KK, Pan S, Caleshu C, **Chen R**, Snyder M and Ashley EA. Whole Exome Sequencing and Hypertrophic Cardiomyopathy (American Society of Human Genetics/ICHG, Montreal, Canada, 2011).
13. Mias GI*, **Chen R***, *et al.* Proteomic Screening for Plasma Autoantibody Biomarkers in MDS Using Protein Microarrays (MDS 11th International Symposium, Edinburgh, UK, 2011). *Leukemia Research* 35:S23 (2011).
14. **Chen R**, Alvero AB, *et al.* Identification and characterization of miR-199a as regulator of IKKbeta expression and its function in ovarian cancer cells (55th Annual Meeting of the Society for Gynecologic Investigation, MAR 26-29, 2008 San Diego CA, Meeting Abstract 87). *Reprod. Sci.* 15(2):85A-85A (2008).
15. **Chen R**, Alvero AB, *et al.* Splitting the family: Characterization of two types of epithelial ovarian cancer cells (54th Annual Meeting of the Society for Gynecologic Investigation, MAR 14-17, 2007 Reno NV, Meeting Abstract 402). *Reprod. Sci.* 14(1):171A-171A (2007).
16. Silasi DA*, **Chen R***, *et al.* Splitting the family: Molecular characteristics of chemoresistant versus chemosensitive epithelial ovarian cancer cells (Meeting Abstract 289). *Gynecol. Oncol.* 108(3):S127-S128 (2008).
17. Leiser A, Fu HH, **Chen R**, *et al.* Eriocalyxin B induces apoptosis of chemoresistant ovarian cancer cells through NF-kappaB inhibition (55th Annual Meeting of the Society-for-Gynecologic-Investigation, MAR 26-29, 2008 San Diego CA, Meeting Abstract 858). *Reprod. Sci.* 15(2):301A-302A (2008).
18. Silasi DA, Alvero AB, Kelly M, **Chen R**, *et al.* A novel approach to determine paclitaxel resistance in ovarian cancer (54th Annual Meeting of the Society for Gynecologic Investigation, MAR 14-17, 2007 Reno NV, Meeting Abstract 402). *Reprod. Sci.* 14(1):170A-171A (2007).
19. Zhong X, Wu C, **Chen R**, *et al.* Towards the development of a test for SARS virus detection at early infection stages (International Symposium on the Pathogenesis of SARS, July 12-13, 2003, Beijing, China,

Meeting Abstract Accession Number: PREV200400241795). *Applied Immunohistochem. & Mol. Morphol.* 12(1):83-83 (2004).

ORAL PRESENTATIONS

- 04/2014: **Invited Speaker (Invitation Accepted)**. 2nd Thought Leaders Consortium in Personalized Lifestyle Medicine, the Personalized Lifestyle Medicine Institute (Seattle, WA, USA). “Towards Precision Medicine with Integrative Personal Omics Profiles”.
- 03/2014: **Invited Speaker (Invitation Accepted)**. Association of Biomolecular Resource Facilities (ABRF) 2014 Annual Conference (Albuquerque, NM, USA). “Omics”.
- 09/2013: **Invited Speaker**. Stanford Immunology Annual Scientific Conference (Pacific Grove, CA, USA). “RNA Sequencing”.
- 05/2013: **Invited Speaker**. 3rd Annual World Pharmacogenomics (World PGx) Summit (San Francisco, CA, USA). “Measuring the True Impacts of Genomic Sequencing on Drug Development: A Personal Viewpoint”.
- 03/2013: **Invited Speaker**. AAI (The Association for the Advancement of Artificial Intelligence) Spring Symposium Series – Data Driven Wellness: From Self Tracking to Behavior Change (Palo Alto, CA, USA). “Promise of Integrative Personalized Omics to Precision Medicine”.
- 02/2013: **Invited Speaker**. Molecular Medicine Tri-Conference (San Francisco, CA, USA). “Integrative Personal Omics Profiling for Personalized Medicine”.
- 12/2012: **Invited Speaker**. Genetics, Genomics, and Systems Biology, Earl Stadtman Symposium (Bethesda, MD, USA). “Towards Precision Medicine with Integrative Personal Omics Profiling”.
- 11/2012: **Invited Speaker**. The 11th International Society of Neuroimmunology (Boston, MA, USA). “Complex Molecular Phenotypes and Medical Risks Revealed by Integrative Personalized Omics Profile Analysis”.
- 09/2012: **Invited Speaker**. The 2012 European NGS Symposium (Basel, Switzerland). “Personalized Genomes and Beyond: Promise of Integrative Personal Omics Profiles (iPOP) to Precision Medicine”.
- 09/2012: **Invited as Keynote Speaker**. The Omics (R)evolution Workshop (Universiteit Antwerpen, Belgium). “Workshop on Integrative Personal Omics Profiling (iPOP)”.
- 07/2012: **Invited Speaker**. The 11th Surugadai-International Symposium (Tokyo, Japan). “Integrated Personal Omics Profile (iPOP) Reveals Dynamic Molecular and Medical Phenotypes”.
- 07/2012: **Invited as Honorable Guest**. The 2nd International Conference on Proteomics & Bioinformatics (Las Vegas, NV, USA). “Personal Health Monitoring and Preventative Medicine with integrative Personal Omics Profiling”.
- 07/2012: **Invited Speaker**. The 3rd International Conference on Biomarkers and Clinical Research (Las Vegas, NV, USA). “Personal Health Monitoring and Preventative Medicine with integrative Personal Omics Profiling”.
- 04/2012: **Invited Speaker**. Multiple Sclerosis and the Omics Spring Conference (Bilbao, Biscay, Spain). “Personal Omics Profiling Reveals Dynamic Molecular and Medical Phenotypes”.
- 03/2008: The 2008 SGI 55th Annual Scientific Meeting (San Diego, CA, USA). “Identification and Characterization of miR-199a as Regulator of IKKbeta Expression and Its Function in Ovarian Cancer Cells”.
- 03/2007: The 2007 SGI 54th Annual Scientific Meeting (Reno, NV, USA). “Serum Protein Markers for Early Detection of Ovarian Cancer”.

CONFERENCE ORGANIZATION

- Advisory Board: GTC's Next Generation Sequencing Conference (October 7-11, 2013, Berlin, Germany).
- Organizing Committee: AAAI (The Association for the Advancement of Artificial Intelligence) 2014 Spring Symposium (March 24-26, 2014, Stanford, CA, USA).

COMPUTATIONAL SKILLS

- Programming: Perl, Bash Shell, R, FORTRAN 77, BASIC.
- Applications: R, Microsoft Excel, Bowtie, Tophat, Cufflinks, BWA, Novoalign, Genome Analysis Toolkit, Complete Genomics™ cgatools, Picard, SAMTools, VCFtools, BEDtools, Circos, ANNOVAR.

MEMBERSHIPS

- 05/2012 ---- present : The American Society of Human Genetics
- 04/2012 ---- present : The Genetics Society of America
- 02/2012 ---- present : US HUPO
- 11/2008 ---- present : American Association for Cancer Research
- 02/2007 ---- present : American Association for the Advancement of Science
- 09/2005 ---- present : New York Academy of Science
- 03/2007 ---- 09/2008: Society for Gynecologic Investigation

PEER REVIEW

- Peer Review Referee for *Future Medicine - Pharmacogenomics*
- Peer Review Referee for *Molecular and Cellular Proteomics*
- Peer Review Referee for *Journal of Gastroenterology and Hepatology*
- Peer Review Referee for *Astrobiology*

TEACHING AND EXTRACURRICULAR ACTIVITIES

- 07-08/2005, 07-08/2006, 07-08/2007: Mentor: Discovery to Cure High School Program, Yale University
- 01/2006 ---- 05/2006 : Teaching Fellow Program Participant: Cell Biology, Yale University
- 09/2004 ---- 12/2004 : Teaching Fellow Program Participant: Genetics, Yale University
- 09/2000 ---- 01/2001 : Teaching Assistant: Advanced Techniques of Biochemistry B, Fudan University
- 09/1996 ---- 09/1997 : Class President

REFERENCES

- **Dr. Michael Snyder**
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