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Positions

Director **2015-**
Applied Bioinformatics Center, NYU School of Medicine, NY

Director **2014-**
Clinical Genomics, NYU School of Medicine, NY

Associate Professor **2014-**
Department of Pathology, NYU School of Medicine, NY

Affiliated Professor **2014-**
Institute for Computational Biology, NYU School of Medicine, NY

Research Scientist **2008-2014**
IBM Research Center, Yorktown Heights, NY

Postdoctoral Fellow **2006-2008**
IBM Research Center, Yorktown Heights, NY

Education

New York University, New York, NY **2006**
PhD in Computer Science (advisor D. Shasha)
Concentration in Bioinformatics, full scholarship, GPA: 3.9

Cornell University, Ithaca, NY **2001**
MS in Electrical and Computer Engineering (advisor: Z. Haas)
Concentration in Wireless Networks, full scholarship, GPA: 3.7

National Technical University, Athens, Greece **1998**
BS in Electrical and Computer Engineering (advisor: T. Sellis)
Scholarship by the National Scholarships Foundation, GPA: 9.3

Public Conservatory of Music, Kalamata, Greece **1995**
Degree in classical guitar (mentor: I. Mavreas)

Languages

Greek (native speaker), English (fluent), Spanish, German

Selected Publications

1. Di Micco R, Fontanals-Cirera B, Low V, Ntziachristos P, Yuen SK, Lovell CD, Dolgalev I, Yonekubo Y, Zhang G, Rusinova E, Gerona-Navarro G, Cañamero M, Ohlmeyer M, Aifantis I, Zhou MM, **Tsirigos A***, Hernando E **(2014)**. Control of Embryonic Stem Cell Identity by BRD4-Dependent Transcriptional Elongation of Super-Enhancer-Associated Pluripotency Genes. **Cell Reports**, 2014 Sep 24 **(*co-corresponding author)**.
2. Ntziachristos P, **Tsirigos A[1,*]**, et al **(2014)**. Contrasting roles for histone 3 lysine 27 demethylases in acute lymphoblastic leukemia. **Nature**, 2014 Aug 17 (**[1]co-first author, *co-corresponding author**).
3. Trimarchi T, Bilal E, Ntziachristos P, Fabbri G, Dalla-Favera R, **Tsirigos A*** and Aifantis I* **(2014)**. Genome-wide mapping and characterization of novel Notch-regulated long non-coding RNAs in acute leukemia. **Cell**, Jul 31 **(*co-corresponding author)**.
4. Ntziachristos P, **Tsirigos A[1,*]**, et al. **(2012)**. Genetic Inactivation of the PRC2 Complex in T-Cell Acute Lymphoblastic Leukemia. **Nature Medicine**, 2012 Jan 11 **([1]co-first author, *co-corresponding author)**.
5. **Tsirigos A***, Haiminen N, Bilal E, Utro F **(2011)**. GenomicTools: a computational platform for developing high-throughput analytics in genomics. **Bioinformatics**, 2011 Nov 22 **(* corresponding author)**.
6. Rossi S, **Tsirigos A[1]**, Amoroso A, Mascellani N, Rigoutsos I, Calin GA, Volinia S **(2010)**. OMiR: Identification of associations between OMIM diseases and microRNAs. **Genomics**, 2010 Oct 23 **([1]co-first author)**.
7. **Tsirigos A***, Rigoutsos I **(2009)**. Alu and B1 repeats have been selectively retained in the upstream and intronic regions of genes of specific functional classes. **PLoS Comput Biol**, 2009 Dec 18 (***co-corresponding author)**.
8. **Tsirigos A**, Rigoutsos I **(2008)**. Human and mouse introns are linked to the same processes and functions through each genome's most frequent non-conserved motifs. **Nucleic Acids Res**, 2008 May 1.
9. **Tsirigos A**, Rigoutsos I **(2005)**. A sensitive, support-vector-machine method for the detection of horizontal gene transfers in viral, archaeal and bacterial genomes. **Nucleic Acids Res**, 2005 Jul 8.
10. **Tsirigos A**, Rigoutsos I **(2005)**. A new computational method for the detection of horizontal gene transfer events. **Nucleic Acids Res**, 2005 Feb 16.

Peer-reviewed Publications

1. Mullenders J, Aranda-Orgilles B, Lhoumaud P, Keller M, Pae J, Wang K, Kayembe C, Rocha PP, Raviram R, Gong Y, Premsrirut PK, **Tsirigos A**, Bonneau R, Skok JA, Cimmino L, Hoehn D, Aifantis I **(2015)**. Cohesin loss alters adult hematopoietic stem cell homeostasis, leading to myeloproliferative neoplasms. **J Exp Med**. 2015 Oct 19;212(11):1833-50. PMID: 26438359
2. Pitt LA, Tikhonova AN, Hu H, Trimarchi T, King B, Gong Y, Sanchez-Martin M, **Tsirigos A**, Littman DR, Ferrando AA, Morrison SJ, Fooksman DR, Aifantis I, Schwab SR **(2015)**. CXCL12-Producing Vascular Endothelial Niches Control Acute T Cell Leukemia Maintenance. **Cancer Cell**. 2015 Jun 8;27(6):755-68. PMID: 26058075
3. Kourtis N, Moubarak RS, Aranda-Orgilles B, Lui K, Aydin IT, Trimarchi T, Darvishian F, Salvaggio C, Zhong J, Bhatt K, Chen EI, Celebi JT, Lazaris C, **Tsirigos A**, Osman I, Hernando E, Aifantis I **(2015)**. FBXW7 modulates cellular stress response and metastatic potential through HSF1 post-translational modification. **Nat Cell Biol**. 2015 Mar;17(3):322-32. PMID: 25720964
4. Vidal SE, Amlani B, Chen T, **Tsirigos A**, Stadtfeld M **(2014)**. Combinatorial Modulation of Signaling Pathways Reveals Cell-Type-Specific Requirements for Highly Efficient and Synchronous iPSC Reprogramming. **Stem Cell Reports**. 2014 Oct 14;3(4):574-84. PMID: 25358786
5. Di Micco R, Fontanals-Cirera B, Low V, Ntziachristos P, Yuen SK, Lovell CD, Dolgalev I, Yonekubo Y, Zhang G, Rusinova E, Gerona-Navarro G, Cañamero M, Ohlmeyer M, Aifantis I, Zhou MM, **Tsirigos A***, Hernando E **(2014)**. Control of Embryonic Stem Cell Identity by BRD4-Dependent Transcriptional Elongation of Super-Enhancer-Associated Pluripotency Genes. **Cell Reports**, 2014 Sep 24 **(*co-corresponding author)**.
6. Ntziachristos P, **Tsirigos A[1,*]**, et al **(2014)**. Contrasting roles for histone 3 lysine 27 demethylases in acute lymphoblastic leukemia. **Nature**, 2014 Aug 17 (**[1]co-first author, *co-corresponding author**).
7. Trimarchi T, Bilal E, Ntziachristos P, Fabbri G, Dalla-Favera R, **Tsirigos A*** and Aifantis I* **(2014)**. Genome-wide mapping and characterization of novel Notch-regulated long non-coding RNAs in acute leukemia. **Cell**, Jul 31 **(*co-corresponding author)**.
8. Siegle JM, Basin A, Sastre-Perona A, Yonekubo Y, Brown J, Sennett R, Rendl M, **Tsirigos A**, Carucci JA, Schober M **(2014)**. SOX2 is a cancer-specific regulator of tumour initiating potential in cutaneous squamous cell carcinoma. **Nature Communications**, 2014 Jul 31.
9. Lisanti MP, **Tsirigos A**, Pavlides S, Reeves KJ, Peiris-Pagès M, Chadwick AL, Sanchez-Alvarez R, Lamb R, Howell A, Martinez-Outschoorn UE, Sotgia F **(2014)**. JNK1 stress signaling is hyper-activated in high breast density and the tumor stroma: connecting fibrosis, inflammation, and stemness for cancer prevention. **Cell Cycle**, 2014 Feb 15;13(4):580-99.

10. Sotgia F, Whitaker-Menezes D, Martinez-Outschoorn UE, Salem AF, **Tsirigos A**, Lamb R, Sneddon S, Hulit J, Howell A, Lisanti MP **(2012)**. Mitochondria "fuel" breast cancer metabolism: fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. **Cell Cycle**. 2012 Dec 1;11(23):4390-401.

11. Bonuccelli G, Castello-Cros R, Capozza F, Martinez-Outschoorn UE, Lin Z, **Tsirigos A**, Xuanmao J, Whitaker-Menezes D, Howell A, Lisanti MP, Sotgia F **(2012)**. The milk protein α-casein functions as a tumor suppressor via activation of STAT1 signaling, effectively preventing breast cancer tumor growth and metastasis. **Cell Cycle**. 2012 Nov 1;11(21)

12. Capparelli C, Guido C, Whitaker-Menezes D, Bonuccelli G, Balliet R, Pestell TG, Goldberg AF, Pestell RG, Howell A, Sneddon S, Birbe R, **Tsirigos A**, Martinez-Outschoorn U, Sotgia F, Lisanti MP **(2012)**. Autophagy and senescence in cancer-associated fibroblasts metabolically supports tumor growth and metastasis, via glycolysis and ketone production. **Cell Cycle**, 2012 Jun 15;11(12).

13. Ntziachristos P, **Tsirigos A[1,*]**, et al. **(2012)**. Genetic Inactivation of the PRC2 Complex in T-Cell Acute Lymphoblastic Leukemia. **Nature Medicine**. 2012 Jan 11 **([1]co-first author, *co-corresponding author)**.

14. Ertel A, **Tsirigos A**, Whitaker-Menezes D, Birbe RC, Pavlides S, Martinez-Outschoorn UE, Pestell RG, Howell A, Sotgia F, Lisanti MP **(2012)**. Is cancer in a metabolic rebellion against host aging? In the quest for immortality, tumor cells try to save themselves by boosting mitochondrial metabolism. **Cell Cycle**. 2012 Jan 15;11(2).

15. Whitaker-Menezes D, Martinez-Outschoorn UE, Flomenberg N, Birbe RC, Witkiewicz AK, Howell A, Pavlides S, **Tsirigos A**, Ertel A, Pestell RG, Broda P, Minetti C, Lisanti MP, Sotgia F **(2011)**. Hyperactivation of oxidative mitochondrial metabolism in epithelial cancer cells in situ: Visualizing the therapeutic effects of metformin in tumor tissue. **Cell Cycle**. 2011 Dec 1;10(23).

16. **Tsirigos A***, Haiminen N, Bilal E, Utro F **(2011)**. GenomicTools: a computational platform for developing high-throughput analytics in genomics. **Bioinformatics**. 2011 Nov 22 **(*corresponding author)**.

17. Witkiewicz AK, Kline J, Queenan M, Brody JR, **Tsirigos A**, Bilal E, Pavlides S, Ertel A, Sotgia F, Lisanti MP **(2011)**. Molecular profiling of a lethal tumor microenvironment, as defined by stromal caveolin-1 status in breast cancers. **Cell Cycle**. 2011 Jun 1;10(11):1794-809. Epub 2011 Jun 1.

18. Martinez-Outschoorn UE, Prisco M, Ertel A, **Tsirigos A**, Lin Z, Pavlides S, Wang C, Flomenberg N, Knudsen ES, Howell A, Pestell RG, Sotgia F, Lisanti MP **(2011)**. Ketones and lactate increase cancer cell "stemness," driving recurrence, metastasis and poor clinical outcome in breast cancer: achieving personalized medicine via Metabolo-Genomics. **Cell Cycle**. 2011 Apr 15;10(8):1271-86.

19. Martinez-Outschoorn UE, Whitaker-Menezes D, Pavlides S, Chiavarina B, Bonuccelli G, Casey T, **Tsirigos A**, Migneco G, Witkiewicz A, Balliet R, Mercier I, Wang C, Flomenberg N, Howell A, Lin Z, Caro J, Pestell RG, Sotgia F, Lisanti MP **(2010)**. The autophagic tumor stroma model of cancer or "battery-operated tumor growth": A simple solution to the autophagy paradox. **Cell Cycle**. 2010 Nov 1.

20. Rossi S, **Tsirigos A[1]**, Amoroso A, Mascellani N, Rigoutsos I, Calin GA, Volinia S **(2010)**. OMiR: Identification of associations between OMIM diseases and microRNAs. **Genomics**. 2011 Feb;97(2):71-6. Epub 2010 Oct 23 **([1]co-first author)**.

21. Pavlides S, **Tsirigos A**, Migneco G, Whitaker-Menezes D, Chiavarina B, Flomenberg N, Frank PG, Casimiro MC, Wang C, Pestell RG, Martinez-Outschoorn UE, Howell A, Sotgia F, Lisanti MP **(2010)**. The autophagic tumor stroma model of cancer: Role of oxidative stress and ketone production in fueling tumor cell metabolism. **Cell Cycle**. 2010 Sep 1;9(17):3485-505.

22. Lisanti MP, Martinez-Outschoorn UE, Chiavarina B, Pavlides S, Whitaker-Menezes D, **Tsirigos A**, Witkiewicz A, Lin Z, Balliet R, Howell A, Sotgia F **(2010)**. Understanding the "lethal" drivers of tumor-stroma co-evolution: emerging role(s) for hypoxia, oxidative stress and autophagy/mitophagy in the tumor micro-environment. **Cancer Biol Ther**. 2010 Sep;10(6):537-42.

23. Bonuccelli G, **Tsirigos A**, Whitaker-Menezes D, Pavlides S, Pestell RG, Chiavarina B, Frank PG, Flomenberg N, Howell A, Martinez-Outschoorn UE, Sotgia F, Lisanti MP **(2010)**. Ketones and lactate "fuel" tumor growth and metastasis: Evidence that epithelial cancer cells use oxidative mitochondrial metabolism. **Cell Cycle**. 2010 Sep 1;9(17):3506-14. Epub 2010 Sep 21.

24. Migneco G, Whitaker-Menezes D, Chiavarina B, Castello-Cros R, Pavlides S, Pestell RG, Fatatis A, Flomenberg N, **Tsirigos A**, Howell A, Martinez-Outschoorn UE, Sotgia F, Lisanti MP **(2010)**. Glycolytic cancer associated fibroblasts promote breast cancer tumor growth, without a measurable increase in angiogenesis: evidence for stromal-epithelial metabolic coupling. **Cell Cycle**. 2010 Jun 15;9(12):2412-22. Epub 2010 Jun 15.

25. Pavlides S, **Tsirigos A**, Vera I, Flomenberg N, Frank PG, Casimiro MC, Wang C, Fortina P, Addya S, Pestell RG, Martinez-Outschoorn UE, Sotgia F, Lisanti MP **(2010)**. Loss of stromal caveolin-1 leads to oxidative stress, mimics hypoxia and drives inflammation in the tumor microenvironment, conferring the "reverse Warburg effect": a transcriptional informatics analysis with validation. **Cell Cycle**. 2010 Jun 1;9(11):2201-19.

26. Pavlides S, **Tsirigos A[1]**, Vera I, Flomenberg N, Frank PG, Casimiro MC, Wang C, Pestell RG, Martinez-Outschoorn UE, Howell A, Sotgia F, Lisanti MP **(2010)**. Transcriptional evidence for the "Reverse Warburg Effect" in human breast cancer tumor stroma and metastasis: similarities with oxidative stress, inflammation, Alzheimer's disease, and "Neuron-Glia Metabolic Coupling". **Aging** (Albany NY). 2010 Apr;2(4):185-99 **([1]co-first author)**.

27. Laurent L, Wong E, Li G, Huynh T, **Tsirigos A**, Ong CT, Low HM, Kin Sung KW, Rigoutsos I, Loring J, Wei CL **(2010)**. Dynamic changes in the human methylome during differentiation. **Genome Res**. 2010 Mar;20(3):320-31. Epub 2010 Feb 4.

28. **Tsirigos A***, Rigoutsos I **(2009)**. Alu and B1 repeats have been selectively retained in the upstream and intronic regions of genes of specific functional classes. **PLoS Comput Biol**. 2009 Dec;5(12):e1000610. Epub 2009 Dec 18 (***co-corresponding author)**.

29. Weiss A, Charbonnier E, Ellertsdóttir E, **Tsirigos A**, Wolf C, Schuh R, Pyrowolakis G, Affolter M **(2009)**. A conserved activation element in BMP signaling during Drosophila development. **Nat Struct Mol Biol**. 2010 Jan;17(1):69-76. Epub 2009 Dec 13.

30. Ochoa-Espinosa A, Yu D, **Tsirigos A**, Struffi P, Small S **(2009)**. Anterior-posterior positional information in the absence of a strong Bicoid gradient. **Proc Natl Acad Sci U S A**. 2009 Mar 10;106(10):3823-8. Epub 2009 Feb 23.

31. **Tsirigos A**, Rigoutsos I **(2008)**. Human and mouse introns are linked to the same processes and functions through each genome's most frequent non-conserved motifs. **Nucleic Acids Res**. 2008 Jun;36(10):3484-93. Epub 2008 May 1.

32. McHardy AC, Martín HG, **Tsirigos A**, Hugenholtz P, Rigoutsos I **(2006)**. Accurate phylogenetic classification of variable-length DNA fragments. **Nat Methods**. 2007 Jan;4(1):63-72. Epub 2006 Dec 10.

33. Rigoutsos I, Huynh T, Miranda K, **Tsirigos A**, McHardy A, Platt D **(2006)**. Short blocks from the noncoding parts of the human genome have instances within nearly all known genes and relate to biological processes. **Proc Natl Acad Sci U S A**. 2006 Apr 25;103(17):6605-10. Epub 2006 Apr 24.

34. **Tsirigos A**, Rigoutsos I **(2005)**. A sensitive, support-vector-machine method for the detection of horizontal gene transfers in viral, archaeal and bacterial genomes. **Nucleic Acids Res**. 2005 Jul 8;33(12):3699-707. Print 2005.

35. **Tsirigos A**, Rigoutsos I **(2005)**. A new computational method for the detection of horizontal gene transfer events. **Nucleic Acids Res**. 2005 Feb 16;33(3):922-33. Print 2005.

36. **Tsirigos A**, Haas Z **(2004)**. Analysis of multipath routing, part 2: mitigation of the effects of frequently changing network topologies. **IEEE Transactions on Wireless Communications**, March 2004.

37. **Tsirigos A**, Haas Z **(2004)**. Analysis of multipath routing, part 1: The effect on the packet delivery ratio. **IEEE Transactions on Wireless Communications**, January 2004.

Conferences & Invited Talks

1. **Tsirigos A**. Characterization of aberrant histone modification patterns in T cell leukemia. Keynote talk, Compute Ontario Research Day, May 2015.

2. **Tsirigos A**. Characterization of aberrant histone modification patterns in T cell leukemia. Invited talk, Cornell Medical Center, December 2014.
3. **Tsirigos A**. Characterization of aberrant histone modification patterns in T cell leukemia. Invited talk, National Technical University of Athens, Greece, November 2014.
4. **Tsirigos A**, Ntziachristos P, Trimarchi T, Loizou E, King B, Luyao X, Van Vlierberghe P, Ferrando A, Aifantis I. Identifying key changes in the epigenetic state of T cells during transformation in T cell leukemia. Poster presentation, Biology of the Genomes meeting, Cold Spring Harbor Lab, May 2013.
5. **Tsirigos A**. Hypothesis generation via epigenomics and transcriptomics data integration. Invited talk, NYU Medical Center, May 2013.
6. **Tsirigos A**. Characterization of Notch1-dependent epigenetic transformation in T cell acute lymphoblastic leukemia. Invited talk, Memorial Sloan-Kettering Cancer Center, April 2013.
7. **Tsirigos A**. Hypothesis generation via epigenomics and transcriptomics data integration. Invited talk, UCLA Medical School, April 2013.
8. **Tsirigos A**. Characterization of Notch1-dependent epigenetic transformation in T cell acute lymphoblastic leukemia. Invited talk, Mount Sinai, March 2012.
9. **Tsirigos A**. Computational biology research overview, Lecture, IBM TJ Watson Research Center, April 2012.
10. **Tsirigos A**. Assessing data and sourcing new targets. Invited talk, Tumor Microenvironment meeting, Boston, October 2012.
11. **Tsirigos A**, Haiminen N, Bilal E, Utro F. GenomicTools: a flexible computational platform for large-scale analyses of sequencing data. Poster presentation, Biology of the Genomes meeting, Cold Spring Harbor Lab, May 2011.
12. **Tsirigos A**. Evidence for convergent evolution of ALU repeats in human and mouse. Invited talk, Columbia University, Center for Computational Biology and Bioinformatics, May 2010.
13. **Tsirigos A**. Next-generation sequencing analysis for cancer genomics. Invited talk, Gachon University, Lee Gil Ya Cancer and Diabetes Institute, April 2010.
14. **Tsirigos A**. Non-conserved intronic motifs in human and mouse are associated with a conserved set of functions. Invited talk, Cornell Medical College, Department of Hematology-Oncology, April 2008.
15. **Tsirigos A**. Non-conserved intronic motifs are related to piRNAs and linked to a conserved set of functions in human and mouse. Invited talk, MicroRNAs Europe 2007 Meeting, University of Cambridge, Cambridge, UK, November 2007.
16. Rigoutsos I, **Tsirigos A**, McHardy AC, Huynh T. Pyknons: collections of RNAi-related regulatory elements that are organism-specific. Poster presentation, Keystone Symposium on

microRNAs and siRNAs: biological functions and mechanisms, Keystone, Colorado, January 2007.

17. Rigoutsos I, Huynh T, Miranda K, **Tsirigos A**, Mchardy AC, Platt D. The Untranslated and Amino-Acid Coding Regions of Nearly All Human Genes Contain Mosaics of Statistically-Significant Blocks Each of Which is Also Present in Numerous Copies in the Non-Coding Parts of the Human Genome. Extended Abstract, ASM Conference on Mobile DNA, Banff, Alberta, Canada, March 2006.
18. Rigoutsos I, Huynh T, Miranda K, **Tsirigos A**, Mchardy AC, Platt D. Extremely-Well-Conserved Blocks Link The Non-Coding And Gene-Coding Regions Of The Human Genome And Suggest The Existence Of An Endogenous, Previously-Unseen Layer Of Cell Process Regulation. Extended Abstract, Keystone Symposium on Signaling Networks. Vancouver, British Columbia, Canada, February 2006.
19. Rigoutsos I, Huynh T, Miranda K, **Tsirigos A**, Mchardy AC, Platt D. The Potential Value On Oligonucleotide Therapy Of Millions Of Variable-Length Blocks Which Are Conserved Between The Non-Coding And Gene-Coding Regions Of The Human Genome. Poster Presentation, 1st Meeting of the Oligonucleotide Therapeutics Society, Rockefeller University, New York, NY, September 2005.

Patents

1. Rigoutsos I, Hyunh T, **Tsirigos A**, McHardy AC. Ribonucleic acid interference molecules and binding sites derived by analyzing intergenic and intronic regions of genomes, US Patent 8,178,503, May 2012.
2. Rigoutsos I, Hyunh T, **Tsirigos A**, McHardy AC, Miranda KC. Techniques for linking non-coding and gene-coding deoxyribonucleic acid sequences and applications thereof, US Patent 8,065,091, November 2011.
3. **Tsirigos A**, Rigoutsos I. Method for the detection of atypical sequences via generalized compositional methods, US Patent 7,962,427, June 2011.
4. **Tsirigos A**, Rigoutsos I. Apparatus, machine-readable medium, and system for the detection of atypical sequences via generalized compositional methods, US Patent 7,613,662, November 2009.

Book Chapters

1. **Tsirigos A**, Haiminen N, Bilal E, Utro F. GenomicTools: an open-source platform for developing high-throughput analytics in genomics, in "Open source software in life science research: Practical solutions to common challenges in the pharmaceutical industry and

beyond", Woodhead Publishing Series in Biomedicine, edited by L. Harland and M. Foster, November 2012.

2. **Tsirigos A** and Rigoutsos I. MicroRNA Target Prediction, in "MicroRNAs in Development and Cancer", Imperial College Press, edited by F. Slack, October 2010.

Grants & Awards

- American Cancer Society, Research Scholar Grant, 2016-2019
- IBM Invention Achievement Award, first Plateau, 2008
- IBM Outstanding Technical Achievement Award for the Discovery of the Role of "Junk" DNA, 2007
- NYU graduate student fellowship, 2001-2006
- Cornell University graduate student fellowship, 1998-2001
- Greek National Scholarships Foundation undergraduate awards, 1993-1998
- Hellenic Mathematical Society awards, 1992-1993

Funding

- American Cancer Society, Research Scholar Grant (PI: Tsirigos; $165,000; 1/2016-12/2019)
- NIH/NCI, R01 CA181111 (effort 5%; PI: Schober; $207,500; 12/2013-11/2018)
- NIH, 1R01GM111852-02 (effort 7%; PI: Stadtfeld; $195,253; 7/2014-6/2019)
- NIH, 1R01CA194923-01 (effort 10%; PI: Aifantis; $329,363; 5/2015-3/2020)
- Sidney Kimmel Foundation for Cancer Research, SKF-13-128 (effort 10%; PI: Stadtfeld; 7/2013-6/2015)

Memberships

- American Association for Cancer Research (AACR)
- Member of the American Association for the Advancement of Science (AAAS)
- Member of the Hellenic Bioscientific Association (HBA)

Lectures

- Introduction to Chromatin Organization (2016): lecture series for Topics in Bioinformatics course, NYU School of Medicine

- Introduction to Chromatin Organization (2016): lecture for Molecular Pathology in the Omics Era course, NYU School of Medicine
- Introduction to Hi-C (2015): lecture series for Bioinformatics Foundations I course, NYU School of Medicine
- Introduction to Computational Epigenomics (2015): lecture for Molecular Pathology in the Omics Era course, NYU School of Medicine
- Introduction to Computational Genomics (2014-2015): lecture for Translating Cancer Discovery into Clinical Practice course, NYU School of Medicine

Trainees

- Andreas Kloetgen, post-doctoral fellow (2016-)
- Igor Dolgalev, Ph.D. student (2015-)
- Stephen Kelly, bioinformatics analyst (Applied Bioinformatics Center, 2015-)
- Tenzin Lhakhang, bioinformatics analyst (Applied Bioinformatics Center, 2015-)
- Betul Akgol, bioinformatics analyst (Applied Bioinformatics Center, 2015-)
- Charalampos Lazaris, Ph.D. student (2014-)
- Yixiao Gong, bioinformatics analyst (2014-)
- Thomas Trimarchi, Ph.D. student (co-mentored with Dr. Aifantis, graduated 2015)