



CURRICULUM VITAE

Daniel K. Nomura, Ph.D.

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Education

- 2008-2011 Postdoctoral Fellow in Chemical Physiology
Scripps Research (Advisor: Benjamin F. Cravatt)
- 2004-2008 Ph.D. in Molecular Toxicology
University of California, Berkeley (Advisor: John E. Casida)
- 1999-2003 B.A. in Molecular and Cell Biology
University of California, Berkeley (Advisor: John E. Casida)

Positions

- 2019-current Professor (with tenure)
University of California, Berkeley
Departments of Chemistry, Molecular and Cell Biology, and Nutritional Sciences and Toxicology
- 2019-current Adjunct Professor
University of California, San Francisco
Department of Pharmaceutical Chemistry
- 2017-current Director, Novartis-Berkeley Center for Proteomics and Chemistry Technologies (NB-CPACT)
- 2016-2019 Associate Adjunct Professor
University of California, San Francisco
Department of Pharmaceutical Chemistry
- 2015-2019 Associate Professor (with tenure)
University of California, Berkeley
Departments of Nutritional Sciences and Toxicology, Chemistry, and Molecular and Cell Biology
- 2011-2015 Assistant Professor
University of California, Berkeley
Department of Nutritional Sciences and Toxicology
- 2008-2011 Postdoctoral Fellow
The Scripps Research Institute, La Jolla, CA
Department of Chemical Physiology
Advisor: Professor Benjamin F. Cravatt
- 2004-2008 Graduate Researcher
University of California, Berkeley
Department of Nutritional Sciences and Toxicology
Advisor: Professor John E. Casida
- 2003-2004 Research Associate
University of California, Berkeley
Advisor: Professor John E. Casida
- 2000-2003 Undergraduate Research Assistant
University of California, Berkeley
Advisor: Professor John E. Casida

Daniel K. Nomura Biography

Dan Nomura is a Professor of Chemical Biology in the Departments of Chemistry, Molecular and Cell Biology, and Nutritional Sciences and Toxicology at the University of California, Berkeley and an Adjunct Professor in the Department of Pharmaceutical Chemistry at UCSF. Since 2017, he has also been the Director of the Novartis-Berkeley Center for Proteomics and Chemistry Technologies focused on using chemoproteomic platforms to tackle the undruggable proteome. He is also Co-Founder and Head of the Scientific Advisory Board of Frontier Medicines. He is also on the Scientific Advisory Committee of the Mark Foundation for Cancer Research. He earned his B.A. in Molecular and Cell Biology and Ph.D. in Molecular Toxicology at UC Berkeley with Professor John Casida and was a postdoctoral fellow at Scripps Research with Professor Ben Cravatt before returning to Berkeley as a faculty member in 2011. Among his honors are selection as a Searle Scholar, American Cancer Society Research Scholar Award, the Department of Defense Breakthroughs Award, Eicosanoid Research Foundation Young Investigator Award, and the Mark Foundation for Cancer Research ASPIRE award.

Major Research Directions

1. Chemoproteomics-enabled covalent ligand discovery platforms to tackle the undruggable proteome
2. Expanding the scope of targeted protein degradation using chemoproteomic platforms
3. Discovering new induced proximity-based therapeutic modalities

The Nomura Research Group is focused on reimagining druggability using chemoproteomic platforms to develop transformative medicines. One of the greatest challenges that we face in discovering new disease therapies is that most proteins are considered “undruggable,” in that most proteins do not possess known binding pockets or “ligandable hotspots” that small-molecules can bind to modulate protein function. Our research group addresses this challenge by advancing and applying chemoproteomic platforms to discover and pharmacologically target unique and novel ligandable hotspots for disease therapy. We currently have three major research directions. Our first major focus is on developing and applying chemoproteomics-enabled covalent ligand discovery approaches to rapidly discover small-molecule therapeutic leads that target unique and novel ligandable hotspots for undruggable protein targets and pathways. Our second research area focuses on using chemoproteomic platforms to expand the scope of targeted protein degradation technologies. Our third research area focuses on using chemoproteomics-enabled covalent ligand discovery platforms to develop new induced proximity-based therapeutic modalities. Collectively, our lab is focused on developing next-generation transformative medicines through pioneering innovative chemical technologies to overcome challenges in drug discovery.

Awards and Fellowships

2019	Mark Foundation for Cancer Research ASPIRE award
2015	ACS Research Scholar Award
2015	DOD Breakthroughs Award Recipient
2014	Finalist in DOD Era of Hope Breast Cancer Research Award (top 5 candidates)
2013	Eicosanoid Research Foundation Young Investigator Award
2013	Selected US (ACS) Representative for Transatlantic Frontiers of Chemistry Conference
2013	Hellman Fellows Awardee
2013	Michael J. Fox Foundation Target Validation Award
2012	Ellison Foundation for Aging Research Award (declined)
2012	Searle Scholar Award
2012	Outstanding Research Achievement Award from Nature Biotechnology/Amgen at SF <i>SciCafe</i>
2010	NIH Pathway to Independence (PI) Award (K99/R00)
2009	American Cancer Society Postdoctoral Fellowship
2009	California Breast Cancer Research Program Postdoctoral Fellowship (declined)

2008 Adelle Davis Award for Nutritional Sciences Research

Affiliations

2021-current Editorial Board Member of Cell Chemical Biology
2021-current Scientific Advisory Committee Member, Mark Foundation for Cancer Research
2020-current Scientific Advisory Board for the Undruggables, Kisaco Research
2019-current Investigator, Innovative Genomics Institute
2018-2021 Associate Editor of Cell Chemical Biology
2018-current Editor of Current Protocols in Chemical Biology
2018-current Co-Founder, Chair of the Scientific Advisory Board, and Consultant for Frontier Medicines

2018-current Editorial Advisory Board for Chemical Research in Toxicology
2017-current Director, Novartis-Berkeley Center for Proteomics and Chemistry Technologies
2016-current Member, UCSF Helen Diller Family Comprehensive Cancer Center
2016-current Member, UCSF Breast Oncology Program
2016-current Faculty in the Department of Molecular and Cell Biology, Biochemistry, Biophysics, and Structural Biology Division (UC Berkeley)

2016-current Adjunct Professor at UCSF, Department of Pharmaceutical Chemistry
2015-current Faculty in the Department of Chemistry (UC Berkeley)
2012-current Member of the Synthetic Biology Institute (UC Berkeley)
2012-2019 Adviser for Abide Therapeutics
2012-current Endocrinology Graduate Group (UC Berkeley)
2011-current Program in Metabolic Biology (UC Berkeley)
2011-current Chemical Biology Graduate Group (UC Berkeley)
2011-current Molecular Toxicology Graduate Group (UC Berkeley)
2011-current Molecular and Biochemical Nutrition Graduate Group (UC Berkeley)
2011-current Faculty in the Department of Nutritional Sciences and Toxicology (UC Berkeley)

Professional Associations

2004-current American Chemical Society
2004-2008 Society of Toxicology

Academic Services

2020-2021 Molecular and Cell Biology graduate admissions committee member
2018-2019 NST space committee
2018 Cal Day NST Speaker
2018-2020 Miller Fellow Advisory Committee for the Department of Chemistry
2017-current Director, Novartis-Berkeley Center for Proteomics and Chemistry Technologies
2017-current Member, Animal Care and Use Committee
2017-2019 Member, College of Natural Resources Executive Committee
2017 Cal Day NST Speaker
2016-2017 Member, Faculty selection committee for hiring in cancer biology for the Molecular and Cell Biology department
2016-2017 Member, Faculty selection committee for hiring the next chair for the Nutritional Sciences and Toxicology department
2016-2017 Faculty adviser for Chemistry-Chemical Biology students
2016-current Member, Executive/Long Range Planning committee for Nutritional Sciences and Toxicology
2016-2017 Member, working group to advise on academic realignment as it pertains to the College of Natural Resources and the L&S Biological Sciences Division
2016-current Member, Committee for Laboratory and Environmental Biosafety
2014-current Chair and Head Graduate Adviser, Molecular Toxicology Graduate Program
2014-2018 Member, CNR Student Faculty Relations Committee
2014 Member, Molecular and Cell Biology Cancer Faculty Search Committee
2014 Speaker for CalSO Faculty Showcase
2013-2017 Member, Metabolic Biology Graduate Affairs Committee
2012-current Regents' and Chancellors' Scholarship Faculty Mentor

2012	Member, Faculty Selection committee for the Nutritional Sciences and Toxicology Department
2012-2017	Member, Seminar Speaker Selection Committee
2011-2018	Member, Undergraduate Affairs Committee for the Nutritional Sciences and Toxicology Department
2011-current	Member, Molecular Toxicology Graduate Affairs Committee

Professional Services

2022	Chair for Bioorganic Chemistry Gordon Research Conference
2021	Vice Chair for Bioorganic Chemistry Gordon Research Conference
2021-current	Editorial Board Member of Cell Chemical Biology
2018-2021	Editor of Cell Chemical Biology
2018-current	Editor of Current Protocols in Chemical Biology
2018-current	Editorial Advisory Board for Chemical Research in Toxicology
2018	Discussion Leader at 2018 Bioorganic Chemistry Gordon Research Conference, Andover, New Hampshire.
2018	Study section ad hoc member for Enabling Bioanalytical and Imaging Technologies (EBIT) study section
2018	Chair and organizer of EMBO meeting "Enzymes, biocatalysis and chemical biology: The new frontiers" Pavia, Italy.
2018	Chair and organizer of "Chemoproteomics and Metabolomics" session at 2018 ASBMB Experimental Biology meeting, San Diego
2017-2019	Study section ad hoc member for Cancer Drug Development & Therapeutics (CDDT) study section
2017-current	Director, Novartis-Berkeley Center for Proteomics and Chemistry Technologies
2016	Study section ad hoc member for Recurring Special Emphasis Panel NIH ZRG1 BMCT-C(01) Molecular Targets and Cancer Intervention study section
2016	Study section member for Special Emphasis Panel NIH ZRG1 BSTU 50
2015	Editor for "Omics" Issue in Current Opinions in Chemical Biology
2015-2018	Adviser for 3-V Biosciences
2012-2019	Adviser for Abide Therapeutics
2011	Editor Special Issue for Biochimica Biophysica Acta (Lipids in Cancer)

Reviewer for: Cell, Molecular Cell, Cell Chemical Biology, Cell Metabolism, Cell Reports, Chemical Neurosciences, Chemical Reviews, Nature, Nature Chemical Biology, Nature Cell Biology, Chemical Sciences, PNAS, Biochimica et Biophysica Acta, Journal of the American Chemical Society, Nature Structural and Molecular Biology, Journal of Lipid Research, Journal of Clinical Investigation, Cancer and Metabolism, Molecular and Cellular Proteomics, ACS Chemical Biology, ACS Central Science, Journal of Biological Chemistry, eLife, Nature Chemistry

Teaching

Fall 2021	UC Berkeley Instructor for Freshman Seminar on: Chemical Biology as an Engine for Drug Discovery (Chem 24)
Fall 2021	UC Berkeley Instructor for
Spring 2021	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Spring 2021	UC Berkeley Instructor for Research in Toxicology (NST193)
Fall 2020	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2020	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Spring 2020	UC Berkeley Instructor for Research in Toxicology (NST193)
Spring 2020	UC Berkeley Instructor for Advanced Seminar in MCB (MCB290)
Fall 2019	UC Berkeley Instructor for Advanced Toxicology (NST110)
Fall 2018	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2018	UC Berkeley Instructor for Research in Toxicology (NST193)
Spring 2018	UC Berkeley Instructor for Introduction to Toxicology (NST11)

Fall 2017	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2017	UC Berkeley Instructor for Research in Toxicology (NST193)
Spring 2017	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Fall 2016	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2016	UC Berkeley Instructor for Research in Toxicology (NST193)
Spring 2016	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Fall 2015	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2015	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Spring 2015	UC Berkeley Instructor for Research in Toxicology (NST193)
Fall 2014	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2014	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Fall 2013	UC Berkeley Instructor for Advanced Toxicology (NST110)
Spring 2013	UC Berkeley Instructor for Introduction to Toxicology (NST11)
Spring 2012	UC Berkeley Instructor for Graduate Research Colloquium (NST292)
Spring 2012	UC Berkeley Instructor for Graduate Seminar (NST290): Chemical Approaches to Study Metabolism
Fall 2011	UC Berkeley Instructor for Undergraduate Special Seminar (NST190): “-Omic Approaches to Study Metabolism”
Spring 2007	UC Berkeley Lecturer for Molecular Toxicology (NST120)
Fall 2006	UC Berkeley Co-Instructor and Graduate Student Instructor for Advanced Toxicology (NST110)
Spring 2006	UC Berkeley Guest Lecturer for Pesticide Chemistry and Toxicology (ESPM148)
Spring 2006	UC Berkeley Lecturer for Molecular Toxicology (NST120)

Publications

2021

1. Henning NJ, Boike L, Spradlin JN, Ward CC, Belcher B, Brittain SM, Hesse M, Dovala D, McGregor LM, McKenna JM, Tallarico JA, Schirle M, **Nomura DK** (2021) Deubiquitinase-targeting chimeras for targeted protein stabilization. *BioRxiv*, 441959
2. Henning NJ*, Manford AG*, Spradlin JN, Brittain SM, McKenna JM, Tallarico JA, Schirle M, Rape M#, **Nomura DK**# (2021) Discovery of a covalent FEM1B recruiter for targeted protein degradation applications. *BioRxiv*, 439993. (*co-first authorship; #co-corresponding authorship)
3. Spradlin JN, Zhang E, **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. *Accounts of Chemical Research*. <https://doi.org/10.1021/acs.accounts.1c00065>.
4. Luo M*, Spradlin JN*, Boike L, Tong B, Brittain SM, McKenna JM, Tallarico JA, Schirle M, Maimone TJ#, **Nomura DK**#. (2021) Chemoproteomics-enabled ligand discovery of covalent RNF114-based degraders that mimic natural product function. *Cell Chemical Biology* doi.org/10.1016/j.chembiol.2021.01.005. (*co-first authorship, # co-corresponding authorship)
5. Boike L*, Cioffi AG*, Majewski FC, Co J, Henning NJ, Jones MD, Liu G, McKenna JM, Tallarico JA, Schirle M, **Nomura DK**. (2021) Discovery of a functional covalent ligand targeting an intrinsically disordered cysteine within MYC. *Cell Chemical Biology* 28, 4-13. PMID 32966806 (*co-first authorship)
6. Tong B, Belcher BP, **Nomura DK**, Maimone TJ (2021) Chemical investigations into the biosynthesis of the gymnastatin and dankastatin alkaloids. *Chemical Science*, doi:10.1039/D1SC02613E.
7. Kilinc S, Paisner R, Camarda R, Gupta S, Momcilovic O, Kohnz RA, L'Etoile ND, Perera RM, **Nomura DK**, Goga A (2021) Oncogene regulated release of extracellular vesicles. In press at *Developmental Cell*.
8. Tharp KM, Higuchi-Sanabria R, Timblin GA, Ford B, Garzon-Coral C, Schneider C, Muncie JM, Stashko C, Daniele JR, Moore AS, Frankino PA, Homentcovschi S, Manoli SS, Shao H, Richards AL, Chen KH, Hoeve JT, Ku GM, Hellerstein M, **Nomura DK**, Saiko K, Gestwicki J, Dunn AR, Krogan NJ, Swaney DL, Dillin A, Weaver VM. (2021) Adhesion-mediated mechanosignaling forces mitohormesis. *Cell Metabolism*, doi://10.1016/j.cmet.2021.04.017. PMID 34019840
9. Timblin GA, Tharp KM, Ford B, Winchenster JM, Wang J, Zhu S, Khan RI, Louie SK, Iavarone AT, ten Hoeve J, **Nomura DK**, Stahl A, Saijo K (2021) Mitohormesis reprograms macrophage metabolism to enforce tolerance. *Nature Metabolism*, <https://doi.org/10.038/s42255-021-00392-w>.
10. Moldavski O, Zushin P-JH, Berdan CA, Van Eijkeren RJ, Jiang X, Qian M, Ory DS, Covey SF, **Nomura DK**, Stahl A, Weiss EJ, Zoncu R (2021) 4 β -hydroxycholesterol is a pro-lipogenic factor that promotes

SREBP1c expression and activity through Liver X-receptor. *Journal of Lipid Research*, 62, 100051. PMID 33631213

11. Cho H, Shen Q, Zhang LH, Okumura M, Kawakami A, Ambrose J, Sigoillot F, Miller HR, Gleim S, Cobos-Correa A, Wang Y, Piechon P, Roma G, Eggiman F, Moore C, Aspesi Jr. P, Mapa FA, Burks H, Ross NT, Krastel P, Hild M, Maimone TJ, Fisher DE, **Nomura DK**, Tallarico JT, Canham SM, Jenkins JL, Forrester WC (2021) CYP27A1 dependent anti-melanoma activity of limonoid natural products targets mitochondrial metabolism. *Cell Chemical Biology*. 30, S2451-9456(21)00143-4. Doi:10.1016/j.chembiol.2021.03.004. PMID 33794192
12. Tasic I, Heppler LN, Egusquiaguirre SP, Boehnke N, Correa S, Costa DF, Grossman EA, Pal S, Richardson D, Ivanov AR, Haas-Kogan DA, **Nomura DK**, Hammond PT, Frank DA (2021) Lipidome-based targeting of STAT3-driven breast cancer cells using poly-L-glutamic acid-coated layer-by-layer nanoparticles. *Molecular Cancer Therapeutics* doi:10.1158/1535-7163.MCT-20-0505. PMID 33536189

2020

13. Isobe Y, Okumura M, White R, McGregor LM, Brittain SM, Jones MD, Liang X, White R, Forrester W, McKenna JM, Tallarico JA, Schirle M, Maimone TJ*, **Nomura DK*** (2020) Manumycin polyketides act as molecular glues between UBR7 and P53. *Nature Chemical Biology* 16, 1189-1198. PMID 3257277 (*co-corresponding author)
14. Tong B*, Spradlin JN*, Novaes LFT, Zhang E, Hu X, Moeller M, Brittain SM, McGregor LM, McKenna JM, Tallarico JA, Schirle M, Maimone TJ#, **Nomura DK#**. (2020) A nimbolide-based kinase degrader preferentially degrades oncogenic BCR-ABL. *ACS Chemical Biology* 15, 1788-1794. PMID 32568522 (*co-first authorship; # co-corresponding authorship)
15. Tong B*, Luo M*, Xie Y, Spradlin JN, Tallarico JA, McKenna JM, Schirle M, Maimone TJ#, **Nomura DK#**. (2020) Bardoxolone Conjugation Enables Targeted Protein Degradation of BRD4. *Scientific Reports* 10, 15543. PMID 32968148 (*co-first authorship; # co-corresponding authorship)
16. Manford AG, Rodriguez-Perez F, Shih KY, Shi Z, Berdan CB, Choe M, Titov DV, **Nomura DK**, Rape M (2020) A cellular mechanism to detect and alleviate reductive stress. *Cell* 183, 46-61. PMID 32941802
17. Sponton CH, Hosonoro T, Taura J, Jedrychowski MP, Yoneshiro T, Wang Q, Takahashi M, Matsui Y, Ikeda K, Oguri Y, Tajima K, Shinoda K, Pradham R, Chen Y, Brown Z, Roberts LS, Ward CC, Taoka H, Yokohama Y, Watanabe M, Karasawa H, **Nomura DK**, Kajimura S (2020) The regulation of glucose and lipid homeostasis via PLTP as a mediator of BAT-liver communication. *EMBO Reports* 21, e49828. PMID 32672883
18. Ibars M, Maier MT, Yulyaningsih E, Perez L, Cheang R, Vihelmsson A, Louie SM, Wegner SA, Yuan X, Eltzschig HK, Hopf FW, **Nomura DK**, Koliwad SK, Xu AW (2020) Neuronal modulation of hepatic lipid accumulation induced by binge-like drinking. *American Journal of Physiology: Endocrinology and Metabolism* 318, E655-E666. PMID 32045262
19. Coles GL, Cristea S, Webber JT, Levin RS, Moss SM, He A, Sangodkar J, Hwang YC, Arand J, Drinas AP, Mooney NA, Demeter J, Spradlin JN, Mauch B, Le V, Shue YT, Ko JH, Lee MC, Kong C, **Nomura DK**, Ohlmeyer M, Swaney DL, Korgan N, Jackson PK, Narla G, Gordan JD, Shokat K, Sage J (2020) Unbiased proteomic profiling uncovers a targetable GNAS/PKA/PP2A axis in small cell lung cancer stem cells. *Cancer Cell* DOI: 10.1016/j.ccell.2020.05.003. PMID 32521271

2019

20. Chung CY-S*, Shin HR*, Berdan CA, Ford B, Ward CC, Olzmann JA, Zoncu R#, **Nomura DK#** (2019) Covalent targeting of the vacuolar H⁺-ATPase activates autophagy via mTORC1 inhibition. *Nature Chemical Biology* 15, 776-785. PMID 31285595 (*co-first authorship; #co-corresponding authorship)
21. Spradlin JN, Hu X, Ward CC, Brittain SM, Jones MD, Ou L, To M, Proudfoot A, Ornelas E, Woldegiorgis M, Olzmann JA, Bussiere DE, Thomas JR, Tallarico JA, McKenna JM, Schirle M, Maimone TJ*, **Nomura DK*** (2019) Harnessing the anti-cancer natural product nimbolide for targeted protein degradation. *Nature Chemical Biology* 15, 747-755. PMID 31209351 (*co-corresponding authors)
22. Ward CC, Kleinman JI, Chung CYS, Kim K, Petri Y, Lee PS, Thomas JR, Tallarico JA, McKenna JM, Schirle M, **Nomura DK** (2019) Covalent ligand screening uncovers a RNF4 E3 ligase recruiter for targeted protein degradation applications. *ACS Chemical Biology* 14, 2430-2440. PMID 31059647
23. Berdan CA, Ho R, Lehtola HS, To M, Hu X, Huffman TR, Petri Y, Altobelli CR, Demeulenaere SG, Olzmann JA, Maimone TJ*, **Nomura DK*** (2019) Parthenolide covalently targets and inhibits focal

adhesion kinase in breast cancer cells. *Cell Chemical Biology* 26, 1027-1035. PMID 31080076 (*co-corresponding authorship)

24. Ah Yong V, Berdan CA, Burke TP, **Nomura DK**, Welch MD (2019) A metabolic dependency for host isoprenoids in the obligate intracellular pathogen *Rickettsia parkeri* underlies a sensitivity to the statin class of host-targeted therapeutics. *mSphere* 4 (6), e00536-19.
25. Bersuker K, Hendricks J, Li Z, Magtanong L, Ford B, Tang PH, Roberts MA, Tong B, Maimone TJ, Zoncu R, Bassik MC, **Nomura DK**, Dixon SJ, Olzmann JA (2019) The CoQ oxidoreductase FSP1 acts parallel to GPX4 to inhibit ferroptosis. *Nature* <https://doi.org/10.1038/s41586-019-1705-2>.
26. Lim C-Y, Davis O, Shin H, Zhang J, Berdan CB, Jiang X, Counihan JL, Ory D, Nomura DK, Zoncu R (2019) ER-lysosome contacts enable cholesterol sensing by mTORC1 and drive aberrant growth signaling in Niemann-Pick type C. *Nature Cell Biology* <https://doi.org/10.1038/s41556-019-0391-5>.
27. Lee K, Yesilkamal AE, Wynne JP, Frakenberger C, Liu J, Yan J, Elbaz M, Rabe DC, Rustandy FD, Tiwari P, Grossman EA, Hart PC, Kang C, Sanderson SM, Andrade J, **Nomura DK**, Bonini MG, Locasale JW, Rosner MR (2019) Effective breast cancer combination therapy targeting BACH1 and mitochondrial metabolism. *Nature* 568, 254-258. PMID 30842661
28. Watt MJ, Clark AK, Selth LA, Haynes VR, Lister N, Rebello R, Porter LH, Niranjana B, Whitby ST, Lo J, Huang C, Schittenhelm RB, Anderson KE, Furic L, Wijayarathne PR, Matzaris M, Montgomer MK, Parpargiris M, Norden S, Febbraio M, Risbridger GP, Frydenberg M, **Nomura DK**, Taylor RA. (2019) Suppressing fatty acid uptake has therapeutic effects in preclinical models of prostate cancer. *Science Translational Medicine* doi: 10.1126/scitranslmed.aau5758. PMID 3078288
29. Herber CB, Krause WC, Wang L, Bayrer JR, Li A, Schmitz M, Fields A, Ford B, Zhang Z, Reid MS, **Nomura DK**, Nissenson RA, Correa SM, Ingraham HA (2019) Estrogen signaling in arcuate *Kiss1* neurons suppresses a sex-dependent female circuit promoting dense strong bones. *Nature Communications*, 10, 163. PMID 30635563
30. Magtanong L, Ko P-J, To M, Cao JY, Tarangelo AN, Ward CC, Cho KY, Patti GJ, **Nomura DK**, Olzmann JA, Dixon SJ (2019) Exogenous monounsaturated fatty acids suppress non-apoptotic cell death. *Cell Chemical Biology* doi: 10.1016/j.chembiol.2018.11.016. PMID 30686757
31. Stazi G, Battistelli C, Piano V, Mazzone R, Marrocco B, Marchese S, Louie SM, Zwergel C, Antonini L, Patsilinos A, Ragno R, Viviano M, Sbardella G, Ciogli A, Fabrizi G, Cirilli R, Strippoli R, Marchetti A, Tripodi M, **Nomura DK**, Mattevi A, Mai A, Valente S (2019) Development of alky glycerone phosphate synthase inhibitors: Structure-activity relationship and effects on ether lipids and epithelial-to-mesenchymal transition in cancer cells. *European Journal of Medicinal Chemistry* 163, 722-735. PMID 30576903
32. Volkmar N, Thezenas M-L, Louie SM, Juskiewicz S, **Nomura DK**, Hegde RS, Kessler BM, Christianson JC (2019) The ER membrane protein complex (EMC) promotes biogenesis of sterol-related enzymes maintaining cholesterol homeostasis. *Journal of Cell Science*. 132, pii:jcs223453. PMID 30578317

2018

33. **Nomura DK** (2018) Virtual Issue on the Work of John Casida. *Chemical Research in Toxicology* 31, 637-638. PMID 30080400
34. **Nomura DK*** and Maimone TJ*. (2018) Target identification of bioactive covalently-acting natural products. *Current Topics in Microbiology and Immunology* 420, 351-374. PMID 30105423 (*co-corresponding authorship)
35. Counihan JL*, Wigganhorn A*, Anderson KE, **Nomura DK**. (2018) Chemoproteomics-enabled covalent ligand screening reveals ALDH3A1 as a lung cancer target. *ACS Chemical Biology* 13, 1970-1977. (*co-first authors) PMID 300004670
36. Counihan JL, Grossman EA, **Nomura DK**. (2018) Cancer metabolism: current understanding and therapies. *Chemical Reviews* 118, 6893-6923. PMID 29939018
37. Long JZ, Roche AM, Berdan CA, Louie SM, Roberts AJ, Svensson KJ, Dou FY, Bateman LA, Mina AI, Deng Z, Jedrychowski MP, Lin H, Kamenecka T, Asara JM, Griffin PR, Banks AS, **Nomura DK**, Spiegelman BM. (2018) Ablation of PM20D1 reveals N-acyl amino acid control of metabolism and nociception. *Proceedings of the National Academy of Sciences, U.S.A.* 115, E6937-E6945. PMID 29967167
38. Fernandez RF, Kim SQ, Zhao Y, Foguth RM, Weera MM, Counihan JL, **Nomura DK**, Chester JA, Cannon JR, Ellis JM (2018) Acyl-CoA synthetase 6 enriches the neuroprotective omega-3 fatty acid DHA in the brain. *Proceedings of the National Academy of Sciences, U.S.A.* 115, 12525-12530. PMID 30327559

39. Zhou M, Ford B, Lee D, Huen K, Tran Y, Bradman A, Gunier R, Eskenazi B, **Nomura DK**, Holland NT (2018) Metabolomic markers of phthalate exposure in plasma and urine of pregnant women. *Frontiers in Public Health* 6, 298. PMID 30406068
40. Wallace M, Green CR, Roberts LS, Lee YM, McCarville J, Sanchez-Gurmaches J, Meurs N, Gengatharan JM, Hover J, Phillips SA, Ciaraldi TP, Guertin DA, Cabrales P, Ayres JS, **Nomura DK**, Loomba R, Metallo CM (2018) Enzyme promiscuity drives branched-chain fatty acid synthesis in adipose tissue. *Nature Chemical Biology* 14, 1021-1031. PMID 30327559
41. Van Daltsen KM, Hodapp S, Keskin A, Otto GM, Berdan CA, Higdon A, Cheunkarndee T, **Nomura DK**, Jovanovic M, Brar GA. (2018) Global proteome remodeling during ER stress involves Hac1-driven expression of long undecoded transcript isoforms. *Developmental Cell* 46, 219-235. PMID 30016623
42. Tam AB, Roberts LS, Chandra V, Rivera IG, **Nomura DK**, Forbes DJ, Niwa M. (2018) The UPR activator ATF6 responds to proteotoxic and lipotoxic stress by distinct mechanisms. *Developmental Cell* 46, 327-343. PMID 30086303
43. Patra KC, Kato Y, Mizukami Y, Widholz S, Boukhali M, Revenco I, Grossman EA, Ji F, Sadreyev RI, Liss AS, Screatton RA, Sakamoto K, Ryan DP, Mino-Kenudson M, Fernandez-del Castillo C, **Nomura DK**, Haas W, Bardeesy N. (2018) Mutant GNAS drives pancreatic tumorigenesis by inducing PKA-mediated SIK suppression and reprogramming lipid metabolism. *Nature Cell Biology* 20, 811-822. PMID 29941929
44. Maier MT, Vilhelmsson A, Louie SM, Vagena E, **Nomura DK**, Koliwad SK, Xu AW. (2018) Regulation of hepatic lipid accumulation and distribution by Agouti-related protein in male mice. *Endocrinology* 159, 2408-2420. PMID 29750244
45. Lin H, Long JZ, Roche AM, Svensson KJ, Dou F, Chang MR, Srutzenberg T, Ruiz C, Cameron MD, Novick SJ, Berdan CA, Louie SM, **Nomura DK**, Spiegelman BM, Griffin PR, Kamenecka TM. (2018) Discovery of hydrolysis-resistant isoindoline N-acyl amino acid analogs that stimulate mitochondrial respiration. *Journal of Medicinal Chemistry* 61, 3224-3230. PMID 29533650
46. Tomin T, Fritz K, Gindlhuber J, Waldherr L, Pucher B, Thallinger GG, **Nomura DK**, Schittmayer M, Birner-Gruenberger R. (2018) Deletion of adipose triglyceride lipase links triacylglycerol accumulation to a more aggressive phenotype in A549 lung carcinoma cells. *Journal of Proteome Research* 17, 1415-1425. PMID 29457907
47. Prasse C, Ford B, **Nomura DK**, Sedlak DL. (2018) Unexpected transformation of dissolved phenols to toxic dicarbonyls by hydroxyl radicals and UV light. *Proceedings of the National Academy of Sciences, USA*. 115, 2311-2316. PMID 29463747
48. Nnadi CI, Jenkins ML, Gentile DR, Bateman LA, Zaidman D, Ballus TE, **Nomura DK**, Burke JE, Shokat KM, London N. (2018) Novel K-Ras G12C switch-II covalent binders destabilize Ras and accelerate nucleotide exchange. *Journal of Chemical Information and Modeling* 57, 464-471. PMID 29320178
49. Gibeaux R, Acker R, Kitaoka M, Georgiou G, van Kruijsbergen I, Ford B, Marcotte EM, **Nomura DK**, Kwon T, Veenstra GJC, Heald R. (2018) Paternal chromosome loss and metabolic crisis contribute to hybrid inviability in *Xenopus*. *Nature* 553, 337-341. PMID 29320479
50. Bersuker K, Peterson CWH, To M, Sahl SJ, Savikhin V, Grossman EA, **Nomura DK**, Olzmann JA. (2018) A proximity labeling strategy provides insights into the composition and dynamics of lipid droplet proteomes. *Developmental Cell* 44, 97-112. PMID 29275994

2017

51. Lue JW, Podolak J, Kolahi K, Cheng L, Rao S, Garg D, Xue CH, Rantala JK, Tyner JW, Thornburgh KL, Martinez-Acevedo A, Liu JJ, Amling CL, Truillet C, Louie SM, Anderson KE, Evans MJ, O'Donnell VB, **Nomura DK**, Drake JM, Ritz A, Thomas GV. (2017) Metabolic reprogramming ensures cancer cell survival despite oncogenic signaling blockade. *Genes and Development* 31, 2067-2084. PMID 29138276
52. De Leon JA, Qiu J, Nicolai CJ, Counihan JL, Barry KC, Xu L, Lawrence RE, Castellano BM, Zoncu R, **Nomura DK**, Luo Z-Q, Vance RE. (2017) Positive and negative regulation of the master metabolic regulator mTORC1 by two families of *Legionella pneumophila* effectors. *Cell Reports* 21, 2031-2038. PMID 29166595
53. Grossman E*, Ward CC*, Spradlin JN, Bateman LA, Huffman TR, Miyamoto DK, Kleinman JI, **Nomura DK**. (2017) Covalent ligand discovery against druggable hotspots targeted by anti-cancer natural products. *Cell Chemical Biology* 24, 1368-1376. PMID 28919038 (*co-first authorship)
54. Anderson KE, To M, Olzmann JA, **Nomura DK**. (2017) Chemoproteomics-enabled covalent ligand screening reveals a thioredoxin-caspase 3 interaction disruptor that impairs breast cancer pathogenicity. *ACS Chemical Biology* 12, 2522-2528. PMID 28892616

55. Chen T-C, Benjamin DI, Kuo T, Lee RA, Li M-L, Mar D, Costello DE, **Nomura DK**, Wang J-C. (2017) Glucocorticoid-Angiopoietin-like 4-Ceramide Axis induces insulin resistance. *Science Signaling* 10, eaai7905. PMID 28743803
56. Chomvong K, Benjamin DI, **Nomura DK**, Cate JH. Cellobiose consumption uncouples extracellular glucose sensing and glucose metabolism in *Saccharomyces cerevisiae*. *mBio* 8, e00855-17.
57. Nguyen TB, Louie SM, Daniele J, Tran Q, Dillin A, Zoncu R, **Nomura DK**, Olzmann JA. (2017) DGAT1-dependent lipid droplet biogenesis protects mitochondrial function during starvation-induced autophagy. *Developmental Cell* 42, 9-21. PMID 28697336
58. Ward CC, Kleinman J, **Nomura DK**. (2017) NHS-esters as versatile reactivity-based probes for mapping proteome-wide ligandable hotspots. *ACS Chemical Biology* 12, 1478-1483. PMID 28445029
59. Bateman LA[#], Nguyen TB[#], Roberts AM[#], Miyamoto DK, Ku W-M, Huffman TR, Petri Y, Heslin MJ, Contreras CM, Skibola CF, Olzmann JA*, **Nomura DK***. (2017) Chemoproteomics-enabled covalent ligand screen reveals a cysteine hotspot in Reticulon 4 that impairs ER morphology and cancer pathogenicity. *Chemical Communications* 53, 7234-7237. PMID 28352901 (#co-first authors; *co-corresponding author)
60. Roberts LS, Yan P, Bateman LA, **Nomura DK**. (2017) Mapping novel metabolic nodes targeted by anti-cancer drugs that impair triple-negative breast cancer pathogenicity. *ACS Chemical Biology* 12, 1133-1140. PMID 28248089
61. Bateman LA, Ku W-M, Heslin MJ, Contreras CM, Skibola CF, **Nomura DK**. (2017) ASS1 is an important metabolic regulator of colorectal cancer. *ACS Chemical Biology* 12, 905-911. PMID 28229591
62. Castellano, B.M., Thelen, A.M., Moldavski O, Feltes M, van der Welle R, Mydock-McGrane L, Jiang X, van Eijkeren RJ, Davis OB, Louie SM, Perera RM, Covey D, **Nomura DK**, Ory DS, Zoncu R. (2017) Lysosomal cholesterol activates mTORC1 via an SLC38A9-Niemann Pick C1 signaling complex. *Science* 355, 1306-1311. PMID 28336668
63. Roberts AM, Miyamoto DK, Huffman TR, Bateman LA, Ives AN, Akopian D, Heslin MJ, Contreras CM, Rape M, Skibola CF, **Nomura DK**. (2017) Chemoproteomic screening of covalent ligands reveals UBA5 as a novel pancreatic cancer target. *ACS Chemical Biology* 12, 899-904. PMID 28186401
64. Counihan JL, Duckering M, Dalvie E, Ku W-m, Bateman LA, Fisher KJ, **Nomura DK**. (2017) Mapping proteome-wide reactivity of the widely used herbicide acetochlor in mice. *ACS Chemical Biology* 12, 635-642. PMID 28094496
65. Whang MI, Taveras RM, Benjamin DI, Kattah MG, Advincula R, **Nomura DK**, Debnath J, Malynn BA, Ma A. (2017) The ubiquitin binding protein TAX1BP mediates autophagosome induction and the metabolic transition of activated T cells. *Immunity* 46, 405-420. PMID 28314591
66. Anderton B, Camarda R, Balkrishnan S, Balakrishnan A, Kohnz RA, Lim L, Evason KJ, Momcilovic O, Kruttwig K, Huang Q, Xu G, **Nomura DK**, Goga A. (2017) MYC-driven inhibition of the glutamate-cysteine ligase promotes glutathione depletion in liver cancer. *EMBO Report* 18, 569-585. PMID 28219903
67. Ford B, Bateman LA, Gutierrez-Palominos L, Park R, **Nomura DK**. (2017) Mapping proteome-wide targets of glyphosate in mice. *Cell Chemical Biology* 24, 133-140. PMID 28132892
68. Ruby MA, Massart J, Hunerdosse DM, Schonke M, Correia JC, Louie SM, Ruas JL, Naslund E, **Nomura DK**, Zierath JR. (2017) Human carboxylesterase 2 reverses obesity-induced diacylglycerol accumulation and glucose intolerance. *Cell Reports* 18, 636-646. PMID 28099843
69. Roberts AM, Ward CC, **Nomura DK**. (2017) Activity-based protein profiling for mapping and pharmacologically interrogating proteome-wide ligandable hotspots. *Current Opinion in Biotechnology* 43, 25-33. PMID 27568596
70. To M, Peterson CWH, Roberts MA, Counihan JL, Wu TT, Forster MS, **Nomura DK**, Olzmann JA. (2017) Lipid disequilibrium disrupts ER proteostasis by impairing ERAD substrate glycan trimming and dislocation. *Molecular Biology of the Cell* 28, 270-284. PMID 27881664

2016

71. Kim H-E, Grant AR, Simic MS, Kohnz RA, **Nomura DK**, Durieux J, Riera CE, Sanchez M, Kapernick E, Wolff Suzanne, Dillin A (2016) Lipid biosynthesis coordinates a mitochondrial-to-cytosolic stress response. *Cell* 166, 1539-1552. PMID 27568596
72. Sogi K, Holsclaw C, Fragiadakis G, **Nomura DK**, Leary J, Bertozzi C. (2016) Biosynthesis and regulation of sulfomenaquinone, a metabolite associated with virulence in *Mycobacterium tuberculosis*. *ACS Infectious Diseases* 2, 800-806. PMID 27933784
73. Braverman J, Sogi KM, Benjamin D, **Nomura DK**, Stanley SA. (2016) HIF-1 α is an essential mediator of IFA-gamma-dependent immunity to *Mycobacterium tuberculosis*. *Journal of Immunology* doi: 10.4049/jimmunol.1600266. PMID 27430718

74. Kohnz RA, Roberts, LS, DeTomaso D, Badyopadhyay S, Yosef N, **Nomura DK**. (2016) Protein sialylation regulates a gene expression signature that promotes breast cancer cell pathogenicity. *ACS Chemical Biology* 11, 2131-2139. PMID 27380425
75. Long JZ, Svensson KJ, Bateman LA, Lin H, Kamenecka T, Lokurkar IA, Lou J, Rao RR, Chang MT, Jedrychowski MP, Paolo J, Griffin PR, **Nomura DK***, Spiegelman BM* (2016) PM20D1 secretion by thermogenic adipose cells regulates lipidated amino acid uncouplers of mitochondrial respiration. *Cell* 166, 424-435. PMID 27374330 (*co-corresponding authorship)
76. Chomvong K, Bauer S, Benjamin DI, Li X, **Nomura DK**, Cate JHD. (2016) Bypassing the pentose phosphate pathway: Towards modular utilization of xylose. *Plos One* 11, e0158111. PMID 27336308
77. Louie SM, Grossman EA, Crawford LA, Ding L, Camarda R, Huffman TR, Miyamoto DK, Goga A, Weerapana E, **Nomura DK**. (2016) GSTP1 is a driver of triple-negative breast cancer cell metabolism and pathogenicity. *Cell Chemical Biology* 5, 567-578. PMID 27185638
78. Zhang J, Medina-Cleghorn D, Bernal-Mizrachi L, Bracci PM, Hubbard A, Conde L, Riby J, **Nomura DK**, Skibola C (2016) The potential relevance of the endocannabinoid, 2-arachidonoylglycerol, in diffuse large B-cell lymphoma. *Oncoscience* 3, 31-41. PMID 26973858
79. Nikkanen J, Forsstrom S, Euro L, Paetau I, Kohnz RA, Wang L, Chilov D, Viinamaki J, Roivainen A, Marjamaki P, Liljenback H, Ahola S, Buzkova J, Terzioglu M, Khan NA, Pirnes-Karhu S, Paetau A, Lonnqvist T, Sajantila A, Isohanni P, Tyynaismaa H, **Nomura DK**, Battersby B, Velagapudi V, Carroll CJ, Suomalainen A (2016) Mitochondrial DNA replication defects disturb cellular dNTP pools and remodel one-carbon metabolism. *Cell Metabolism* 23, 635-648. PMID 26924217
80. **Nomura DK**, Casida JE (2016) Lipases and their inhibitors in health and disease. *Chemico-Biological Interactions* 259, 211-222. PMID 27067293
81. Camarda R, Zhou AY, Kohnz RA, Balakrishnan S, Mahieu C, Anderton B, Eyob H, Kajimura S, Tward A, Krings G, **Nomura DK**, Goga A. (2016) Inhibition of fatty-acid oxidation as a therapy for MYC-overexpressing triple-negative breast cancer. *Nature Medicine* 22, 427-432. PMID 26950360.
82. Saghatelian A, **Nomura DK**, Weerapana E (2016) Omics: The maturation of chemical biology. *Current Opinions in Chemical Biology* 30: v-vi. PMID 26739665
83. Counihan JC, Ford B, **Nomura DK**. (2016) Mapping Proteome-Wide Interactions of Reactive Chemicals using Chemoproteomic Platforms. *Current Opinions in Chemical Biology* 30, 68-76. PMID 26647369

2015

84. Medina-Cleghorn D, Bateman LA, Ford B, Heslin A, Fisher KJ, Dalvie ED, **Nomura DK**. (2015) Mapping proteome-wide targets of environmental chemicals using reactivity-based chemoproteomic platforms. *Chemistry and Biology* 22, 1394-1405. PMID26496688
85. Piano V[#], Benjamin DI[#], Valente S, Nenci S, Mai A, Aliverti A, **Nomura DK***, Mattevi A*. (2015) Discovery of inhibitors for the ether lipid-generating enzyme AGPS as anti-cancer agents. *ACS Chemical Biology* 10, 2589-2597. PMID 26322624 ([#]co-first authors; * co-corresponding authors).
86. Queiroz A, Medina-Cleghorn D, Marjanovic O, **Nomura DK**, Riley LW. (2015) Comparative metabolic profiling of *Mycobacterium tuberculosis*: cell wall lipid reorganization as a virulence factor. *Pathogens and Disease* 73, ftv066. PMID26319139.
87. Sanchez-Alavez M, Nguyen W, Mori S, Moroncini G, Viader A, **Nomura DK**, Cravatt BF, Conti B. (2015) Monoacylglycerol lipase regulates fever response. *Plos One* 10, e0134437. PMID: 26287872.
88. Kohnz RA, Mulvihill MM, Chang JW, Hsu K-L, Sorrentino A, Cravatt BF, Bandyopadhyay S, Goga A, **Nomura DK**. (2015) Activity-based protein profiling of oncogene-driven changes in metabolism reveals PAFAH1B2 and 1B3 as broad-spectrum cancer therapy targets. *ACS Chemical Biology* 10, 1624-1630. PMID: 25945974.
89. Benjamin DI, Li DS, Lowe, W, Heuer T, Kemble G, **Nomura DK**. (2015) Diacylglycerol metabolism and signaling is a predictive and driving force underlying FASN inhibitor sensitivity in cancer cells. *ACS Chemical Biology* 10, 1616-1623. PMID: 25871544
90. Rashidian J, Le Scolan E, Ji X, Mulvihill MM, **Nomura DK**, Luo K. (2015) Ski regulates Hippo and TAZ signaling to suppress breast cancer progression. *Science Signaling* 10, ra14. PMID: 25670202
91. Anderson CM, Kazantzis M, Wang J, Venkatraman S, Goncalves RLS, Quinlan CL, Ng R, Jastroch, M, Benjamin DI, Nie B, Herber C, Van A-AN, Park MK, Yun D, Chan K, Yu A, Vuong P, Febbraio M, **Nomura DK**, Napoli JL, Brand MD, Stahl A. (2015) Dependence of brown adipose tissue function on CD36-mediated coenzyme Q uptake. *Cell Reports* 10, 505-515. PMID 25620701

92. Chang JW, Zuhl AM, Speers AE, Niessen S, Brown SJ, Mulvihill MM, Fan YC, Spicer TP, Southern M, Scampavia L, Fernandez-Vega V, Dix MM, Cameron MD, Hodder PS, Rosen H, **Nomura DK**, Kwon O, Hsu K-L, Cravatt BF. (2015) A selective inhibitor of platelet-activating factor acetylhydrolases 1b2 and 1b3 that impairs cancer cell survival. *ACS Chemical Biology* 10, 925-932. PMID: 25602368

2014

93. Lysenko LV, Kim J, Henry C, Tyrtysnaia A, Kohnz RA, Madamba F, Simon GM, Kleschevnikova NE, **Nomura DK**, Ezekowitz RAB, Kleschevnikov AM. (2014) Monoacylglycerol lipase inhibitor JZL184 improves behavior and neural properties in aged Ts65Dn mice, a model of Down Syndrome. *Plos One* 9, e114521. PMID: 25474204.
94. Valdearcos M, Robblee M, Benjamin DI, **Nomura DK**, Xu AW, Koliwad SK. (2014) Microglia Dictate the Impact of Saturated Fat Consumption on Hypothalamic Inflammation and Neuronal Function. *Cell Reports* 9, 1-15. PMID: 25497089
95. Hunerdosse D, Morris PJ, Miyamoto DK, Fisher KJ, Bateman LA, Ghazaleh J, Zhong S, **Nomura DK**. (2014) Chemical Genetics Screening Reveals KIAA1363 as a Cytokine-Lowering Target. *ACS Chemical Biology* 9, 2905-2913. PMID: 25343321.
96. Medina-Cleghorn D, **Nomura DK**. (2014) Exploring metabolic pathways and regulation through functional chemoproteomic and metabolomic platforms. *Chemistry & Biology* 21, 1171-1184. PMID: 25237861.
97. Mulvihill MM, **Nomura DK**. (2014) Metabolomic Strategies to Map Functions of Metabolic Pathways. *AJP Metabolism and Endocrinology* 307, E237-E244. PMID: 24918200
98. Latimer LN, Lee MR, Medina-Cleghorn D, Kohnz RA, **Nomura DK**, Dueber JE. (2014) Employing a combinatorial expression approach to characterize xylose utilization in *Saccharomyces cerevisiae*. *Metabolic Engineering* 25, 20-29. PMID: 24930894.
99. Mulvihill MM, Benjamin DI, LeScolan E, Ji X, Shieh A, Green M, Narasimhalu T, Morris PJ, Luo K, **Nomura DK**. (2014) Metabolic Profiling Reveals PAFAH1B3 as a critical driver of breast cancer pathogenicity. *Chemistry & Biology* 21, 831-840. PMID: 24954006
100. Benjamin DI, Louie S, Mulvihill MM, Kohnz RA, Li DS, Chan LG, Sorrentino A, Bandhyopadhyay S, Cozzo A, Ohiri A, Goga A, Ng-SW, **Nomura DK**. (2014) Inositol phosphate recycling regulates glycolytic and lipid metabolism that drives cancer aggressiveness. *ACS Chemical Biology* 20, 1340-1350. PMID: 24738946
101. Kohnz RK, **Nomura DK**. (2014) Chemical approaches to therapeutically target the metabolism and signaling of the endocannabinoid 2-AG and eicosanoids. *Chemical Society Reviews* 43, 6859-6869. PMID: 24676249
102. Morris PJ*, Medina-Cleghorn D*, Heslin A, King S, Orr J, Krauss RM, **Nomura DK**. (2014) Organophosphorus flame retardants inhibit specific liver carboxylesterases and cause serum hypertriglyceridemia. *ACS Chemical Biology* 9, 1097-1103. (*authors contributed equally to the work) PMID: 24597639
103. Hunerdosse D, **Nomura DK**. (2014) Activity-based proteomic and metabolomic approaches for understanding metabolism. *Current Opinion in Biotechnology* 28C, 116-126. PMID 24594637
104. Poole D, Lee M, Tso P, Bunnett N, Yo S, Lieu T, Shiu A, Wang J-C, **Nomura DK**, and Aponte GW. (2014) Feeding dependent activation of enteric cells and sensory neurons by lymphatic fluid: evidence for a neurolymphocrine system. *AJP-Gastrointestinal and Liver Physiology* 306, G686-G698. PMID: 24578341
105. Dominguez E, Galmozzi A, Chang JW, Hsu K-L, Pawlak J, Li W, Godio C, Thomas J, Partida D, Niessen S, O'Brien PE, Russell AP, Watt MJ, **Nomura DK**, Cravatt BF, Saez E. (2014) Integrated phenotypic screening and activity-based proteomics defines a role for carboxylesterase 3 in obesity and diabetes. *Nature Chemical Biology* 10, 113-121. PMID: 24362705
106. Medina-Cleghorn D, Heslin A, Morris PJ, Mulvihill MM, **Nomura DK**. (2014) Multidimensional profiling platforms reveal metabolic dysregulation caused by organophosphorus pesticides. *ACS Chemical Biology* 9, 423-432. PMID: 24205821

2013

107. **Nomura DK**, Cravatt BF. (2013) Lipid Metabolism in Cancer. *Biochimica et Biophysica Acta—Molecular and Cell Biology of Lipids* 1831, 1497-1498. PMID: 23921253
108. Benjamin DI, Cozzo A, Ji X, Roberts LS, Louie SM, Luo K, **Nomura DK**. (2013) The ether lipid generating enzyme AGPS alters the balance of structural and signaling lipids that fuel cancer

pathogenicity. *Proceedings of the National Academy of Sciences, USA* 110, 14912-14917. PMID: 23980144

109. Louie SM*, Roberts LS*, Mulvihill MM, Luo K, **Nomura DK**. (2013) Cancer cells incorporate and remodel exogenous fatty acids into structural and oncogenic signaling lipids. *Biochimica et Biophysica Acta—Molecular and Cell Biology of Lipids* 1831, 1566-1572. PMID: 23872477 (* authors contributed equally to the work)
110. Louie SM, Roberts LS, **Nomura DK**. (2013) Mechanisms linking obesity and cancer. *Biochimica et Biophysica Acta—Molecular and Cell Biology of Lipids* 1831, 1499-1508. PMID: 23470257
111. Medina-Cleghorn D, **Nomura DK**. (2013) Chemical Approaches to Study Metabolic Networks. *Pflugers Archive* 465,427-440. PMID: 23296751
112. Cao Z, Mulvihill MM, Mukhopadhyay P, Xu H, Erdelyi K, Hao E, Holovac E, Hasko G, Cravatt BF, **Nomura DK**[#], Pal Pacher[#]. (2013) Monoacylglycerol lipase controls endocannabinoid and eicosanoid signaling and hepatic injury in mice. *Gastroenterology* 144, 808-817. PMID: 23295443 (# co-corresponding authors)
113. Mulvihill MM, **Nomura DK**. (2013) Therapeutic Potential of Monoacylglycerol Lipase Inhibitors. *Life Sciences* 92, 492-497. PMID: 23142242

2012

114. Morrison BE, Garibaldi Marcondes MC, **Nomura DK**, Sanchez-Alavez M, Saar I, Bartfai T, Maher P, Sugama S, Conti B. (2012) IL-13R α 1 expression in dopaminergic neurons contributes to their oxidative stress-mediated loss following chronic systemic treatment with LPS. *Journal of Immunology* 189, 5498-5502. PMID: 23169588
115. Benjamin DI, Cravatt BF, **Nomura DK**. (2012) Global Profiling Strategies towards Mapping Dysregulated Metabolic Pathways in Cancer. *Cell Metabolism* 16, 565-567. PMID: 23063552
116. Piro JR, Benjamin DI, Duerr JM, Pi YQ, Gonzales C, Schwartz JW, **Nomura DK**[#], Samad TA[#]. (2012) A Dysregulated Endocannabinoid-Eicosanoid Network Supports Pathogenesis in a Mouse Model of Alzheimer's Disease. *Cell Reports* 1, 617-623. PMID: 22813736 (# co-corresponding author)

2011

117. **Nomura DK**[#], Morrison BE, Blankman JL, Long JZ, Kinsey SG, Marcondes MC, Ward AM, Hahn YK, Lichtman AH, Conti B, Cravatt BF[#]. (2011) Endocannabinoid hydrolysis generates brain eicosanoids that promote neuroinflammation. *Science* 334, 809-813. PMID: 22021672 (# co-corresponding author)
118. Ruby MA, **Nomura DK**, Hudak CSS, Barber A, Casida JE, Krauss RM. (2011) Overactive endocannabinoid signaling induces hepatic steatosis, insulin resistance, and global transcriptional changes. *Plos One* 6, e26415. PMID: 22073164

Undergraduate/Graduate/Postdoctoral Work (2002-2011)

119. **Nomura DK**[#], Lombardi DP, Chang JW, Niessen S, Ward AM, Long JZ, Hoover HH, Cravatt BF[#]. (2011) Monoacylglycerol lipase exerts bidirectional control over endocannabinoid and fatty acid pathways to support prostate cancer pathogenesis. *Chemistry & Biology* 18, 848-856. PMID: 21802006 (# co-corresponding author)
120. Ramesh D, Ross GR, Schlosburg JE, Abdullah RA, Kinsey SG, Long JZ, **Nomura DK**, Sim-Selley LJ, Cravatt BF. (2011) Blockade of endocannabinoid hydrolytic enzymes attenuates precipitated withdrawal symptoms in mice. *Journal of Pharmacology and Experimental Therapeutics* 339, 173-185. PMID: 21719468
121. Kinsey SG, **Nomura DK**, O'Neal ST, Long JZ, Cravatt BF, Lichtman AH. (2011) Inhibition of monoacylglycerol lipase (MAGL) attenuates NSAID-induced gastric hemorrhages in mice. *Journal of Pharmacology and Experimental Therapeutics* 338, 795-802. PMID: 21659471
122. Chang JW, **Nomura DK**, Cravatt BF. (2011) A potent and selective inhibitor of KIAA1363/AADACL1 that impairs prostate cancer pathogenesis. *Chemistry & Biology* 18, 476-484. PMID: 21513884
123. Ahn K, Smith SE, Liimata MB, Sadagopan N, Dudley D, Young T, Wren P, Zhang Y, Swaney S, Van Becelaere K, Blankman JL, **Nomura DK**, Bhattachar SN, Stif C, Nomanbhoy TK, Weerapana E, Johnson DS, Cravatt BF. (2011) Mechanistic and pharmacological characterization of PF-04457845: a highly potent and selective FAAH inhibitor that reduces inflammatory and noninflammatory pain. *Journal of Pharmacology and Experimental Therapeutics* 338, 114-124. PMID: 21505060

124. **Nomura DK**[#], Casida JE[#]. (2011) Activity-based protein profiling of organophosphorus and thiocarbamate pesticides reveals multiple secondary targets in the mammalian nervous system. *Journal of Agricultural and Food Chemistry* 59, 2808-2815. PMID: 21341672 (# co-corresponding author)
125. Nicolaou KC, Sanchini S, Sarlah D, Lu G, Wu R, **Nomura DK**, Cravatt BF, Cubitt B, de la Torre JC, Hessel AJ, Burton DR. (2011) Design, synthesis and biological evaluation of a biyouyanagin compound library. *Proceedings of the National Academy of Sciences, USA* 108, 6715-6720. PMID: 21245351
126. Bachovchin DA, Mohr JT, Speers AE, Wang C, Berlin JM, Spicer TP, Fernandez-Vega V, Chase P, Hodder PS, Schürer, **Nomura DK**, Rosen H, Fu GC, Cravatt BF. (2011) Academic cross-fertilization by public screening yields a remarkable class of protein phosphatase methylesterase-1 inhibitors. *Proceedings of the National Academy of Sciences, USA* 108, 6811-6816. PMID: 21398589
127. Kopp F, Komatsu T, **Nomura DK**, Trauger SA, Thomas JR, Simon GM, Cravatt BF. (2010) The glycerophospho-metabolome and its influence on amino acid homeostasis by brain metabolomics of GDE1(-/-) mice. *Chemistry & Biology* 17, 831-840. PMID: 20797612
128. Schlosburg JE, Blankman JL, Long JZ, **Nomura DK**, Nguyen PT, Ramesh D, Kinsey SG, Booker L, Burston JK, Wise LE, Ghosh S, Selley DE, Sim-Selley LJ, Liu Q, Cravatt BF, Lichtman AH. (2010) Sustained inactivation of monoacylglycerol lipase produces functional antagonism of the brain endocannabinoid system. *Nature Neuroscience* 13, 1113-1119. PMID: 20729846
129. **Nomura DK**, Dix MM, Cravatt BF. (2010) Chemoproteomic Approaches for Biochemical Pathway Discovery in Cancer. *Nature Reviews Cancer* 10, 630-638. PMID: 20703252
130. **Nomura DK**, Long JZ, Niessen S, Hoover HS, Ng S-W, Cravatt BF. (2010) Monoacylglycerol lipase regulates a fatty acid network that promotes cancer pathogenesis. *Cell* 140, 49-61. PMID: 20079333
131. Long JZ, **Nomura DK**, Vann RE, Walentiny DM, Booker L, Jin X, Burston JJ, Sim-Selley LJ, Lichtman AH, Wiley JL, Cravatt BF. (2009) Dual blockade of FAAH and MAGL identifies behavioral processes regulated by endocannabinoid crosstalk in vivo. *Proceedings of the National Academy of Sciences, USA* 106, 20270-20275. PMID: 19918051
132. Long JZ, **Nomura DK**, Cravatt BF. (2009) Mechanistic characterization of selective monoacylglycerol lipase inhibition reveals differences in central and peripheral endocannabinoid metabolism. *Chemistry & Biology* 16, 744-753. PMID: 19635411
133. Ruby M*, **Nomura DK***, Hudak CS, Mangravite LM, Chiu S, Casida JE, Krauss RM. (2008) Overactive endocannabinoid signaling impairs apolipoprotein E-mediated clearance of triglyceride-rich lipoproteins. *Proceedings of the National Academy of Sciences, USA* 105, 14561-14566. PMID: 18794527 (* co-first author)
134. **Nomura DK**, Ward AM, Hudak CS, Burston JJ, Issa RS, Fisher KJ, Abood ME, Wiley JL, Lichtman A, Casida JE. (2008) Monoacylglycerol lipase regulates 2-arachidonoylglycerol action and arachidonic acid levels. *Bioorganic Medicinal Chemistry Letters* 18, 5875-5878. PMID: 18752948
135. Casida JE, **Nomura DK**, Vose SC, Fujioka K. (2008) Organophosphate-Sensitive Lipases Modulate Brain Lysophospholipids, Ether Lipids and Endocannabinoids. *Chemico-Biological Interactions* 175, 355-64. PMID: 18495101
136. **Nomura DK**, Blankman JL, Simon GM, Fujioka K, Issa RS, Ward AM, Cravatt BF, Casida JE. (2008) Activation of the endocannabinoid system by organophosphorus nerve agents. *Nature Chemical Biology* 4, 373-378. PMID: 18438404
137. **Nomura DK**, Fujioka K, Issa RS, Ward AM, Cravatt BF, Casida JE. (2008) Dual Roles of Brain Serine Hydrolase KIAA1363 in Ether Lipid Metabolism and Organophosphate Detoxification. *Toxicology and Applied Pharmacology* 228, 42-482. PMID: 18154358
138. **Nomura DK**, Durkin KA, Chiang KP, Quistad GB, Cravatt BF, Casida JE. (2006) Serine Hydrolase KIAA1363: Toxicological and Structural Features with Emphasis on Organophosphate Interactions. *Chemical Research in Toxicology* 19, 1142-1150. PMID: 16978018
139. Quistad GB, Liang SN, Fisher KJ, **Nomura DK**, Casida JE. (2006) Each Lipase has a Unique Sensitivity Profile for Organophosphorus Inhibitors. *Toxicological Sciences* 91, 166-172. PMID: 16449251
140. **Nomura DK**, Leung D, Chiang KP, Quistad GB, Cravatt BF, Casida JE. (2005) A Brain Detoxifying Enzyme for Organophosphorus Nerve Poisons. *Proceedings of the National Academy of Sciences, USA* 102, 6195-6200. PMID: 15840715
141. Segall Y, Quistad GB, Sparks SE, **Nomura DK**, Casida JE. (2003) Toxicological and Structural Features of Organophosphorus and Organosulfur Cannabinoid CB1 Receptor Ligands. *Toxicological Sciences* 76, 131-137. PMID: 12944568

142. Segall Y, Quistad GB, **Nomura DK**, Casida JE. (2003) Arachidonylsulfonyl Derivatives as Cannabinoid CB1 Receptor and Fatty Acid Amide Hydrolase Inhibitors. *Bioorganic Medicinal Chemistry Letters* 13,3301-3303. PMID: 12951114
143. Quistad GB, **Nomura DK**, Sparks SE, Segall Y, Casida JE. (2002) Cannabinoid CB1 Receptor as a Target for Chlorpyrifos Oxon and Organophosphorus Pesticides. *Toxicology Letters* 135, 89-93. PMID: 12243867
144. Quistad GB, Sparks SE, Segall Y, **Nomura DK**, Casida JE. (2002) Selective Inhibitors of Fatty Acid Amide Hydrolase Relative to Neuropathy Target Esterase and Acetylcholinesterase: Toxicological Implications. *Toxicology and Applied Pharmacology* 179, 57-63. PMID: 11884237

Patents

1. **Nomura DK**, Henning NJ, Spradlin JN, Ward CC, McKenna JM, Schirle M, Tallarico JA, Hesse M, Dovala D. Deubiquitinase Targeting Chimeras and Related Methods. Provisional patent application filed.
2. Rape M, **Nomura DK**, Henning N, Manford A. FEM1B protein binding agents and uses thereof. PCT application filed.
3. **Nomura DK**, Cioffi A, Schirle M, Boike L, Tallarico JA, McKenna JM, Liu G. MYC inhibitors and uses thereof. Provisional patent application filed.
4. **Nomura DK**, Zoncu R, Chung YSC, Shin H, Canham S. mTORC1 inhibitors for Activating autophagy. PCT application WO2020146779.
5. **Nomura DK**, Roberts AM, Bateman LA, Miyamoto DK, Huffman TR, Ward CC. Compositions and methods for modulating UBA5. PCT application WO2018144869A1.
6. **Nomura DK**, Zoncu R, Roberts AM, Cho, KF, Chung YSC, Shin J, Croze B. mTORC1 modulators; US20190112268A1.
7. **Nomura DK**, Zoncu R, Ward C, Fung SK, Varma CK, Fontaine B. Methods and compounds for targeted autophagy. PCT Application WO2019183600A1.
8. Spradlin J, Ward CC, **Nomura DK**, Schirle M, Tallarico JA, McKenna JM, Maimone TJ, Hu X. Covalent targeting of E3 ligases. PCT Application WO2020076996A1.
9. **Nomura DK**, Anderson KE. Thioredoxin modulators and uses thereof. PCT application WO2018175958A1.
10. **Nomura DK**, Roberts LS, Ward CC. Compositions for treating breast cancer. PCT WO2018148598A1.
11. **Nomura DK**, Grossman EA, Ward CC, Bateman LA, Huffman TR, Miyamoto DK, Spradlin JL. Compositions and methods for modulating ppp2r1a. US20200054651A1.
12. **Nomura DK**, Olzmann JA, Bateman LA, Nguyen TB, Miyamoto DK, Huffman TR, Roberts AM. Compositions and methods for inhibiting Reticulon 4. PCT application WO2018144870A8.
13. Bachovchin D, Chang JW, Cravatt BF, Li W, Moellering RE, **Nomura DK**. Anti-cancer serine hydrolase inhibitory carbamates. US9249128B2.
14. Cravatt BF, Long JZ, Li W, **Nomura DK**. Methods and Compositions Related to Targeting Monoacylglycerol Lipase. US8772318B2.

Abstracts/meetings/invited talks

1. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Induced Proximity-Based Drug Discovery Summit, Hanson Wade, Virtual.
2. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Ligase Targeting Drug Development, Hanson Wade, Virtual.
3. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. AACR meeting Chemistry in Cancer Research Town Hall, Virtual
4. Invited Speaker: **Nomura DK** (2021) Developing Coronavirus Anti-Viral Drugs. Center for Emerging and Neglected Diseases Symposium, Virtual.
5. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Helmholtz Drug Discovery Conference Speaker, Virtual.

6. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Rutgers University seminar speaker, Virtual.
7. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. North American Protein Degradation Congress meeting, Kisaco Research, Virtual.
8. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Targeted Protein Degradation & PROTAC symposium, Oxford Global, Virtual.
9. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Stanford University, Department of Chemistry, Virtual.
10. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. SLAS International Conference, Virtual.
11. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. UCSF Cancer Center, Virtual.
12. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Dana Farber Cancer Center Targeted Protein Degradation Seminar Series, Virtual.
13. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Janssen, Virtual.
14. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Oregon Health Sciences University, Virtual.
15. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. 3rd Annual Targeted Protein Degradation Meeting, Virtual.
16. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. 18th Annual Discovery on Target Conference, Virtual.
17. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Northwestern University Department of Chemistry, Virtual.
18. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Pfizer, Virtual.
19. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Transcription Factor Drug Development Conference, Virtual.
20. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Seminar at Cygnal Therapeutics, Virtual.
21. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Natural Products Symposium at the New York Academy of Sciences, Virtual.
22. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. North American Targeted Degradation Summit. San Diego, CA.
23. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. The Mark Foundation for Cancer Research Induced Proximity Meeting, New York, New York
24. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. MIT/Broad Institute Chemical Biology seminar series, Cambridge, MA
25. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Seminar at Calico, South San Francisco, CA
26. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. California Institute of Technology Chemical Biology seminar series, Pasadena, CA
27. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. UT San Antonio, San Antonio, TX.
28. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Harvard University Chemistry and Chemical Biology seminar speaker, Cambridge, MA
29. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Memorial Sloan Kettering Cancer Center, New York, NY.
30. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Bayer Life Science Workshop: Chemical Biology—Jointly Exploring New Frontiers, Berlin, Germany
31. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. 2nd Targeted Protein Degradation Summit meeting, Boston, MA
32. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Northwestern University, Chicago, IL.
33. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. American Chemical Society meeting, Targeted Protein Degradation session, San Diego, CA.

34. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Janssen Pharmaceuticals seminar speaker, Springhouse, Pennsylvania.
35. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Targeted Drug Discovery Summit, Boston, MA.
36. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. 60th International Conference on the Biosciences of Lipids, Tokyo, Japan.
37. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Bioorganic Chemistry Gordon Research Conference, Andover, NH.
38. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Novartis Institutes for BioMedical Research, Basel, Switzerland.
39. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. European Targeted Protein Degradation meeting, Basel, Switzerland
40. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Cayman Chemical Biology Symposium at the University of Michigan, Ann Arbor, Ann Arbor, MI.
41. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Yale Chemical Biology symposium, New Haven, CT.
42. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. World Molecular Engineering Network meeting, Cabo San Lucas, Mexico.
43. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. American Cancer Society meeting, Orlando, FL.
44. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Structural Genomics Consortium Targeted Protein Degradation meeting, Toronto, CA.
45. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Mark Foundation for Cancer Research Symposium, New York, NY.
46. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Medicinal and Bioorganic Chemistry Foundation meeting, Steamboat, CO.
47. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. 1st Targeted Protein Degradation Summit meeting, Boston, MA
48. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Merck and Co. Organic Chemistry Seminar Series, Kenilworth, NJ.
49. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Caltech Department of Chemistry, Pasadena, California.
50. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. EMBO Enzymes and Catalysis meeting, Pavia, Italy.
51. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. City of Hope Research Institute, Los Angeles, CA
52. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Structural Genomics Consortium on Target 2035. Berlin, Germany
53. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. BASF Metanomics, Berlin, Germany
54. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Pharmaron, Beijing, China.
55. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. BASF-CARA Symposium, Santa Barbara, CA.
56. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Cambridge Healthtech Institute's 17th Annual World Preclinical Congress, Boston, MA.
57. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. ACS National Medicinal Chemistry Symposium, Nashville, TN.
58. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Merck, South San Francisco, CA.
59. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. 2018 San Antonio Drug Discovery Symposium, San Antonio, TX.
60. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. AACR meeting, Chicago, IL.
61. Invited Speaker and Session Chair: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. ASBMB meeting, San Diego, CA.

62. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Agios, Cambridge, MA.
63. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Astrazeneca, Waltham, MA.
64. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. University of California, Riverside, Riverside, CA.
65. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Tumor Metabolism Keystone meeting, Snowbird, Utah.
66. Invited Speaker: **Nomura DK** (2017) Redefining Toxicology and Druggability using Chemoproteomic Platforms. Superfund Research Program meeting, Philadelphia, Pennsylvania.
67. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. Tufts University Medical School, Boston, MA.
68. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. University of Virginia, Charlottesville, VA.
69. Invited Speaker and Wendell Griffith Lecturer: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. St Louis University, St. Louis, MO.
70. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. AACR Advances in Breast Cancer Meeting, Hollywood, CA.
71. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. Austrian Proteomics Association meeting, Graz, Austria.
72. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. Enzymes, Coenzymes, & Metabolic Pathways Gordon Conference. Waterville Valley, NH.
73. Invited Speaker: **Nomura DK** (2017) Chemoproteomic and Metabolomic Platforms for Mapping Drivers of Disease. American Diabetes Association meeting. San Diego, CA.
74. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. Royal Society of Chemistry Chemical Biology Symposium. London, UK.
75. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. World Molecular Engineering Network conference, San Jose Del Cabo, Mexico.
76. Invited Speaker: **Nomura DK** (2017) Using Chemoproteomic and Metabolomic Platforms to Map Drivers of Human Disease, UCSF Breast Oncology Program Seminar, San Francisco, CA.
77. Invited Speaker: **Nomura DK** (2017) Using Chemoproteomic and Metabolomic Platforms to Map Drivers of Human Disease, Cold Spring Harbor Laboratory, Chemistry and Metabolism Symposium, Cold Spring Harbor, NY.
78. Invited Speaker: **Nomura DK** (2017) Using Chemoproteomic and Metabolomic Platforms to Map Drivers of Human Disease, Johns Hopkins Medical School, Department of Biological Chemistry, Baltimore, Maryland.
79. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, The University of Sydney Charles Perkin Centre, Sydney, Australia.
80. Keynote Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Third Australian Lipids Meeting, Melbourne, Australia.
81. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, University of Georgia, Athens, Georgia.
82. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, UCSD Metabolomics Symposium, La Jolla, CA.
83. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Oregon Health State University, Portland, Oregon.
84. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Amgen South San Francisco, CA
85. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Vanderbilt University Chemical Biology Seminar Series, Nashville, Tennessee.
86. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Toxicology and Drug Discovery GETA (Genetic and Environmental Toxicology Association) Symposium, Oakland, CA.
87. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. Gilead Medicinal Chemistry Seminar Series, Foster City, CA.
88. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. Gordon Conference on Bioorganic Chemistry, New Hampshire.

89. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. AACR National Meeting, New Orleans, Louisiana.
90. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. University of Pavia, Italy.
91. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Medical University of Graz, Graz, Austria.
92. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Keystone Science Lecture Speaker at National Institutes for Environmental Health Sciences, Research Triangle Park, North Carolina.
93. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Cleveland Clinic, Cleveland, Ohio.
94. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Purdue University, Department of Nutrition, Indiana.
95. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCLA, Los Angeles, California.
96. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. University of Wisconsin, Madison Department of Biochemistry, Madison, Wisconsin.
97. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSF Cancer Center, San Francisco, CA
98. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSF Endocrinology, San Francisco, CA
99. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSD Bioengineering Department, La Jolla, CA
100. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Dana Farber Cancer Institute, Boston, Massachusetts.
101. Invited Keynote Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. Molecular and Cell Biology of Lipids Gordon Conference, Waterville Valley, New Hampshire.
102. Poster Presenter: **Nomura DK** (2015) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. High Throughput Chemistry and Chemical Biology Gordon Conference, New London, New Hampshire.
103. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. AACR Metabolism and Cancer meeting, Bellevue, Washington.
104. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Lipid Maps Meeting 2015, La Jolla, CA.
105. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, Dana Farber/Harvard Medical School, Boston, MA.
106. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, Searle Meeting, Chicago, IL.
107. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, University of Chicago, Chicago, IL.
108. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Lipid Metabolism in Disease using Chemoproteomic and Metabolomic Platforms, RIKEN, Yokohama, Japan.
109. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Lipid Metabolism in Disease using Chemoproteomic and Metabolomic Platforms, Phospholipase Meeting, Tokyo, Japan.
110. Seminar speaker: **Nomura DK** (2014) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology, UC Berkeley, Nutritional Sciences and Toxicology Department
111. Poster/Talk: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Cancer Using Functional Proteomic and Metabolomic Platforms, Gordon Conference, Coenzymes, and Metabolic Pathways, Waterville Valley, NH.
112. Invited Speaker: **Nomura DK** (2014) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology, Genentech, South San Francisco, CA Investigative Toxicology Division
113. Poster: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Cancer Using Functional Proteomic and Metabolomic Platforms, Searle Scholars Meeting, Chicago, IL.

114. Invited Speaker: **Nomura DK** (2014) Mapping Dysregulated Lipid Metabolism in Cancer using Chemoproteomic and Metabolomic Platforms, ASBMB meeting, San Diego, CA.
115. Invited Speaker: **Nomura DK** (2014) Mapping Dysregulated Lipid Metabolism in Cancer using Chemoproteomic and Metabolomic Platforms, Keystone Meeting on Tumor Metabolism, Whistler, Canada.
116. Invited Speaker: **Nomura DK** (2014) Validating Monoacylglycerol Lipase Inhibitors in Combatting Parkinson's Disease, Michael J Fox Foundation, New York, NY.
117. Invited Seminar Speaker: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, Karolinska Institute, Stockholm, Sweden.
118. Invited Seminar Speaker: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, University of Pavia, Pavia, Italy.
119. Invited Seminar Speaker: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, Novartis, Cambridge, MA.
120. Invited Seminar Speaker: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, UC Merced, Merced, CA.
121. Invited Speaker: **Nomura DK** (2013) Endocannabinoid hydrolysis generates eicosanoids that promote inflammation. Bioactive Lipids in Cancer, Inflammation, and Related Diseases meeting, San Juan, Puerto Rico—received Eicosanoids Research Foundation Young Investigator Award.
122. Keynote Speaker: **Nomura DK** (2013) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology. NorCal Society of Toxicology meeting, South San Francisco, CA.
123. Invited Speaker: **Nomura DK** (2013) Mapping dysregulated metabolic pathways in disease using functional proteomic and metabolomic platforms. Symposium on Frontier Sciences on New Drug Discovery, Tsinghua University, Beijing, China.
124. Invited Speaker: **Nomura DK** (2013) Mapping dysregulated metabolic pathways in disease using functional proteomic and metabolomic platforms. Transatlantic Frontiers of Chemistry (TFOC) meeting, American Chemical Society, Kloster Seon, Germany.
125. Invited Speaker: **Nomura DK** (2013) Endocannabinoid hydrolysis generates eicosanoids that promote inflammation. Gordon conference Molecular and Cellular Biology of Lipids, New Hampshire, NJ
126. Poster: **Nomura DK** (2013) Mapping dysregulated metabolic pathways in cancer. Gordon conference bioorganic chemistry, New Hampshire, NJ.
127. Poster: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Cancer Using Functional Proteomic and Metabolomic Platforms, Searle Scholars Meeting, Chicago, IL.
128. Invited Speaker: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Disease using Functional Proteomic and Metabolomic Platforms. Seminar speaker at UC Berkeley, Department of Molecular and Cell Biology, Berkeley, CA
129. Invited Speaker: **Nomura DK** (2013) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. Seminar speaker at University of Minnesota, Minneapolis, MN.
130. Invited Speaker: **Nomura DK** (2012) Mapping dysregulated metabolic pathways in disease using functional proteomic and metabolomic platforms. Seminar speaker at Agilent, Santa Clara, CA.
131. Invited Speaker: **Nomura DK** (2012) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. Seminar speaker at Pfizer Neuroscience, Cambridge, MA.
132. Invited Speaker: **Nomura DK** (2012) Mapping Dysregulated Metabolic Pathways using Functional Chemoproteomic and Metabolomic Platforms. Seminar Speaker at Children's Hospital Oakland Research Institute, Oakland, CA.
133. Keynote Invited Speaker: **Nomura DK** (2012) Mapping dysregulated metabolic pathways in cancer using functional proteomic and metabolomic platforms. Austrian Proteomics Research Symposium, Graz, Austria.
134. Invited Speaker: **Nomura DK**. (2012) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. *International Cannabinoid Research Society* meeting, Freiberg, Germany.
135. Poster: **Nomura DK** and Samad TA (2012) Metabolomic profiling for mapping anti-inflammatory pathways in neurodegenerative disease. *Genetics and Chemistry Cell Symposium*, Cambridge, Massachusetts.
136. Invited Speaker: **Nomura DK** (2012) Endocannabinoid hydrolysis generates brain eicosanoids that promote neuroinflammation. *SciCafe* hosted by Nature Biotechnology and Nature Medicine at the Gladstone Institute, San Francisco, CA

137. Poster: **Nomura DK** and Cravatt BF (2011) Monoacylglycerol Lipase Exerts Bidirectional Control over Endocannabinoid and Fatty Acid Pathways to Support Prostate Cancer. Cancer Chemical Biology meeting sponsored by Nature Chemical Biology, Cambridge, Massachusetts.
138. Invited Speaker: **Nomura DK** (2011) Mapping dysregulated metabolic pathways in cancer using activity-based proteomics. American Chemical Society meeting, Denver, Colorado.
139. Invited Speaker: **Nomura DK**, Cravatt BF (2011) Mapping dysregulated metabolic pathways in cancer. American Association for Cancer Research meeting, Orlando, Florida.
140. Invited Speaker: **Nomura DK**, Long JZ, Cravatt BF, Casida JE. (2010) Annotating the role of monoacylglycerol lipase in cancer and in the brain. American Chemical Society meeting, San Francisco, California.
141. Invited Speaker: **Nomura DK**. (2009) Chemical Approaches to Annotating Toxicological and Biological Systems. University of California Toxic Substances & Teaching Program Symposium, Berkeley, California.
142. Poster: **Nomura DK**, Blankman JL, Simon GM, Cravatt BF, Casida JE. (2008) Maximal activation of the endocannabinoid system by organophosphorus nerve agents. University of California Toxic Substances Research & Teaching Program Symposium, Riverside, California.
143. Poster: **Nomura DK**, Casida JE. (2007) Acetyl monoalkylglycerol ether deacetylase: an organophosphate detoxifying enzyme and modulator of tumor growth. IXth Meeting on Cholinesterases, Suzhou, China.
144. Oral Presentation: **Nomura DK**, Durkin KA, Chiang KP, Quistad GB, Cravatt BF, Casida JE. (2006) Toxicological and Structural Features of KIAA1363: A Novel Detoxifying Enzyme for Organophosphorus Nerve Poisons. American Chemical Society meeting, San Francisco, CA.
145. Poster: **Nomura DK**, Leung D, Chiang KP, Quistad GB, Cravatt BF, Casida JE. (2005) A Brain Detoxifying Enzyme for Organophosphorus Nerve Poisons. American Chemical Society meeting, Washington, D.C.

Students/Researchers Supervised (w/ former and current position)

Name	Position in the lab	Current Position	
Xavier Tao (2021-current)	Undergraduate Researcher	PhD program at Stanford University	
Belen E. Altamirano Poblano (2021-current)	Undergraduate Researcher		
Maria Casique (2021-current)	Undergraduate Researcher		
Katelyn Randal (2021-current)	Undergraduate Researcher		
Anoohya Panidapu (2021-current)	Undergraduate Researcher		
Vienna Thomas (2020-current)	Graduate Student		
Ethan Toriki (2020-current)	Graduate Student		
Margot Meyers (2020-current)	Graduate Student		
Abigail Estes (2020-current)	Graduate Student		
Elizabeth King (2020-current)	Graduate Student		
Nafsika Forte (2020-current)	Postdoctoral Fellow		
James Papatzimas (2020-current)	Postdoctoral Fellow		
Matthew Cerda (2020-2021)	Postdoctoral Fellow		
Charlotte Zammit (2020-current)	Postdoctoral Fellow		
Qian Shao (2020-current)	Project Scientist		
Helen Bui (2020-current)	Undergraduate Researcher		
Yangzhi (Robby) Wang (2020-current)	Undergraduate Researcher		
Brian So (2019-current)	Undergraduate Researcher		
Michelle Tang (2019-current)	Undergraduate Researcher		
Jennifer Co (2019-2021)	Undergraduate Researcher		
Erika Zhang (2019-current)	Undergraduate Researcher		
Lydia Zhang (2019-current)	Graduate Researcher		
Flor (Alicia) Gowans (2019-current)	Graduate Researcher		
Nathaniel Henning (2019-current)	Graduate Researcher		
Deirdre Willgohs (2018-2018)	Research Intern		Student at Northwestern University

<p>Reagan Kennedy (2018-2018) Benjamin Fontaine (2018-current) Lydia Boike (2018-current) Chad Altobelli (2018-2019) Angela Xiong (2018-2019) Felix Majewski (2018-2020) Ross White (2018-2019)</p>	<p>Undergraduate Researcher Postdoctoral Fellow Graduate Researcher Undergraduate Researcher Undergraduate Researcher Undergraduate Researcher Undergraduate Researcher</p>	<p>PhD program at UCSF PhD program at Boston College PhD program at Stanford University Research Specialist at Scribe Therapeutics</p>
<p>Liam McCarthy (2018-2018) Sarah Buzsaki (2018-2020) May Fung (2018-2020) Sasha Demeulenaere (2018-2018) Kenneth Kim (2017-2021) Samantha Tang (2017-2020)</p>	<p>Summer Intern Undergraduate Researcher Postdoctoral Fellow Undergraduate Researcher Undergraduate Researcher Administrative and Lab Assistant Undergraduate Researcher</p>	<p>PhD program at Rice University Scientist at Hong Kong Jockey Club</p>
<p>Christine Thatcher (2017-2018)</p>	<p>Undergraduate Researcher</p>	<p>Scientist at Lawrence Livermore National Laboratory</p>
<p>Kyra Berger (2017-2018) Yosuke Isobe (2018-2020) Clive Yik Sham Chung (2017-2020)</p>	<p>Undergraduate Researcher Postdoctoral Fellow Postdoctoral Fellow</p>	<p>Senior Scientist at RIKEN Assistant Professor at Hong Kong University Scientist at Nurix Scientist at Frontier Medicines PhD program at Stanford University</p>
<p>Katherine Near (2017-2019) Alexander Cioffi (2017-2019) Lisha Ou (2017-2019) Linda Waldherr (2017-2017) Raymond Ho (2017-2018) Sage Geher (2017-2017)</p>	<p>Postdoctoral Fellow Postdoctoral Fellow Undergraduate Researcher Visiting Grad Student Undergraduate Researcher Undergraduate Researcher</p>	<p>Research Assistant at University of Utah Assistant Professor at China Agricultural University</p>
<p>Mai Luo (2016-2020)</p>	<p>Postdoctoral Fellow</p>	<p>PhD program at UCSF PhD program at Northwestern University</p>
<p>Tamara Tomin (2016-2017) Alex Renn (2016-2017) Jordan Kleinman (2016-2019) Ashley Ives (2016-2017)</p>	<p>Visiting Grad Student Undergraduate Researcher Research Associate Undergraduate Researcher</p>	<p>Genentech Postdoctoral Fellow F99/K00 Postdoc at UCSF Scientist at Frontier Medicines PhD program at Stanford University PhD program at UC Berkeley</p>
<p>Sultana Mojadidi (2016-2016) Jessica Spradlin (2016-2020) Carl Ward (2016-2020) Allison Roberts (2015-2018) Amanda Wiggenhorn (2016-2019) Joseph Hendricks (2016-2017) Anna Flury (2016-2016) Haley Lehtola (2016-2018)</p>	<p>Undergraduate Researcher Graduate Researcher Graduate Researcher Graduate Researcher Research Associate Undergraduate Researcher Lab Assistant Undergraduate Researcher</p>	<p>Medical student at Western University of Health Sciences PhD program at MIT</p>
<p>Yana Petri (2016-2019) Justin Wang (2016-2017) Ivan Atencio (2016-2017) Andrew Hong (2016-2016) Catherine Schneider (2015-2017) Catherine Cascavita (2015-2016) Elizabeth Grossman (2014-2019) Michelle Luu (2015-2017) Deepika Raghavan (2015-2016) Peter Yan (2015-2017) Kimberly Anderson (2015-2018) Melanie Hubbuck (2015-2017)</p>	<p>Research Associate Undergraduate Researcher Undergraduate Researcher Undergraduate Researcher Graduate Researcher Lab Manager Graduate Researcher Undergraduate Researcher Undergraduate Researcher Undergraduate Researcher Graduate Researcher Graduate Researcher</p>	<p>Process Engineer at EXP PhD student at UC Berkeley Associate at Genentech Innovation Postdoc at Novartis Emergency Room Scribe at Vituity Medical Student at University of Iowa Medical Student at UCLA Scientist at Frontier Medicines PhD student at Washington University</p>

Megan Duckering (2015-2016)	Undergraduate Researcher	Senior Life Sciences Consultant at Guidehouse
Angela Yang (2015-2015)	Undergraduate Researcher	Research Assistant at Stanford University
Charles Berdan (2014-2019)	Graduate Researcher	Associate Consultant with McKinsey and Company
Wan-Min Ku (2014-2017)	Undergraduate Researcher	Senior Scientist at Celgene
Derek Barbas (2014-2015)	Undergraduate Researcher	Postdoc at BASF
Leslie Bateman (2014-2016)	Postdoctoral Fellow	Graduate Student at TSRI in Ryan Shenvi's lab
Breanna Ford (2014-2019)	Graduate Researcher	Account Manager at Quantcast
Wallace Lowe (2014-2015)	Undergraduate Researcher	PhD student at UCLA
Tucker Huffman (2014-2017)	Undergraduate Researcher	PhD program at Vanderbilt University
Olivia Dibenedetto (2014-2014)	Undergraduate Researcher	Postbac at NIH
Jeffrey Coleman (2014-2014)	Undergraduate Researcher	Consultant for ClearView Healthcare Partners
Lara Bideyan (2014-2015)	Undergraduate Researcher	PhD program at Harvard University
Esha Dalvie (2013-2016)	Undergraduate Researcher	Director of Chemistry at Lygos
Daniel Li (2013-2015)	Undergraduate Researcher	Food Technologist at Beyond Meat
Jessica Counihan (2013-2018)	Graduate Researcher	Medical Student at UCSF
Sharon Zhong (2013-2015)	Undergraduate Researcher	Medical Student at UCLA
David Miyamoto (2013-2015)	Undergraduate Researcher	Associate Product Manager at Veeva
Karl Fisher (2013-2014)	Associate Specialist	Graduate student in UC Berkeley Optometry Program
Lauryn Chan (2013-2014)	Undergraduate Researcher	Research Assistant at Genentech
Lucky Ding (2013-2016)	Undergraduate Researcher	Senior Research Biologist at 3M
Nivedita Keshav (2013-2014)	Undergraduate Researcher	Senior Scientist, Nuredis Inc.
Ann Heslin (2013-2015)	Undergraduate Researcher	Undergraduate at Duke University
Chynna Tang (2013-2014)	Undergraduate Researcher	Medical Resident at UCLA
Yoav Azaria (2012-2014)	Undergraduate Researcher	Senior Scientist at Merck
Devon Hunerdosse (2012-2015)	Graduate Researcher	Staff Scientist at NCI/NIH
Lindsay Roberts (2012-2017)	Graduate Researcher	Senior Scientist at Genentech
Ramandeep Dhillon (2012-2015)	Administrative and Lab Asst.	Researcher in Mina Bissell Lab, LBNL
Alice Shieh (2012-2013)	Undergraduate Researcher	Scientist at Nurix
Tara Narasimhalu (2012-2014)	Undergraduate Researcher	Strategic Market Access & Intelligence Analyst at XCenda
Rebecca Kohnz (2012-2016)	Postdoctoral Fellow	Resident Physician at Detroit Medical Center
Patrick Morris (2012-2014)	Postdoctoral Fellow	Postdoc at Stanford in Tom Rando Lab
Melinda Mulvihill (2012-2014)	Postdoctoral Fellow	Scientist at CohBar
Alyssa Cozzo (2012-2013)	Undergraduate Researcher	Graduate Student at SF State
Daniel Medina-Cleghorn (2011-2015)	Graduate Researcher	Postdoctoral Fellow at U. Chicago
Jay Andrew Cosme Barcelon (2011-2012)	Undergraduate Researcher	Anesthesiology Resident at Harvard Medical School
McKenna Green (2012-2014)	Undergraduate Researcher	Principal Compliance Manager at Genentech
Daniel I Benjamin (2011-2015)	Graduate Researcher	
Sharon M Louie (2011-2017)	Graduate Researcher	
Anayo Ohiri (2011-2013)	Undergraduate Researcher	
Jae Wong Chang (2009-2011)	Graduate Researcher	
Anna M. Ward (2004-2008, 2010)	Undergraduate Researcher	
Roger Issa (2004-2008)	Undergraduate Researcher	