



## CURRICULUM VITAE

### **Daniel K. Nomura, Ph.D.**

Professor of Chemical Biology and Molecular Therapeutics  
University of California, Berkeley  
Departments of Chemistry and Molecular and Cell Biology  
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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**

- 2022-current Professor (with tenure)  
University of California, Berkeley  
Department of Chemistry  
Department of Molecular and Cell Biology, Division of Molecular Therapeutics
- 2022-current Director, Novartis-Berkeley Translational Chemical Biology Institute (NB-TCBI)
- 2019-2022 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
- 2017-2022 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  
Scripps Research, La Jolla, CA  
Department of Chemical Physiology  
Advisor: Professor Benjamin F. Cravatt
- 2004-2008 Graduate Researcher
- 2003-2004 Research Associate
- 2000-2003 Undergraduate Research Assistant  
University of California, Berkeley  
Department of Nutritional Sciences and Toxicology  
Advisor: Professor John E. Casida

## Daniel K. Nomura Biography

Dan Nomura is a Professor of Chemical Biology and Molecular Therapeutics in the Department of Chemistry and the Department of Molecular and Cell Biology in the Division of Molecular Therapeutics at the University of California, Berkeley and an Investigator at the Innovative Genomics Institute. He is an Adjunct Professor in the Department of Pharmaceutical Chemistry at UCSF. Since 2017, he has been the Director of the Novartis-Berkeley Translational Chemical Biology Institute focused on using chemoproteomic platforms to tackle the undruggable proteome. He is Co-Founder of Frontier Medicines, a start-up company focused on using chemoproteomics and machine learning approaches to tackle the undruggable proteome. He is also the Founder of Vicinitas Therapeutics based on his group's discovery of the Deubiquitinase Targeting Chimera (DUBTAC) platform for targeted protein stabilization. He is on the Scientific Advisory Boards for Frontier Medicines, Vicinitas Therapeutics, Photys Therapeutics, Apertor Pharma, Ecto Therapeutics, Chordia Therapeutics, and the Mark Foundation for Cancer Research and is on the Investment Advisory Board of Droia Ventures. 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 Benjamin F. Cravatt before returning to Berkeley as a faculty member in 2011. Among his honors include the National Cancer Institute Outstanding Investigator Award, Searle Scholar, American Cancer Society Research Scholar 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

2022	National Cancer Institute Outstanding Investigator Award
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

2023-current	Scientific Advisory Board member of Chordia Therapeutics
2022-current	Droia Ventures Investment Advisory Board member
2022-current	Faculty in the Department of Molecular and Cell Biology, Molecular Therapeutics Division (UC Berkeley)
2022-current	Director, Novartis-Berkeley Translational Chemical Biology Institute
2022-current	Scientific Advisory Board member of Ecto Therapeutics
2022-current	Scientific Advisory Board member of Apertor Pharmaceuticals
2022-current	American Association for Cancer Research (AACR) Chemistry in Cancer Research Working Group Steering Committee member
2022-current	Founder, Chair of the Scientific Advisory Board, and Member of the Board of Directors for Vicinitas Therapeutics
2022-current	Associate Editor, Chemical Research in Toxicology
2021-current	Scientific Advisory Board member of Photys Therapeutics
2021-2022	Consultant for Droia Ventures
2021-current	Scientific Advisory Board member of Zenagem Therapeutics
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
2017-2022	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
2016-2022	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-current	Member of the Center for Emerging and Neglected Diseases (UC Berkeley)
2012-2019	Adviser for Abide Therapeutics
2012-current	Endocrinology Graduate Group (UC Berkeley)
2011-2022	Program in Metabolic Biology (UC Berkeley)
2011-current	Member of Chemical Biology Graduate Group (UC Berkeley)
2011-current	Member of Molecular Toxicology Graduate Group (UC Berkeley)
2011-2022	Member of Molecular and Biochemical Nutrition Graduate Group (UC Berkeley)
2011-2022	Faculty in the Department of Nutritional Sciences and Toxicology (UC Berkeley)

### Professional Associations

2004-current	American Chemical Society
2021-current	American Association for Cancer Research member
2004-2008	Society of Toxicology

### Academic Services

2022-current	Director, Novartis-Berkeley Translational Chemical Biology Institute
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2021	Member, Faculty selection committee for hiring in chemistry for the Department of Chemistry
2020-current	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
2017-2022	Director, Novartis-Berkeley Center for Proteomics and Chemistry Technologies
2017-2021	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
2016-2022	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
2016-2021	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-current	Standing Member for NIH Chemical Biology and Probes Study Section (CBP)
2022-current	Director, Novartis-Berkeley Translational Chemical Biology Institute
2022	Standing Member for NIH Synthetic and Biological Chemistry A Study Section (SBCA)
2022-current	Associate Editor for Chemical Research in Toxicology
2022	Vice Chair for Bioorganic Chemistry Gordon Research Conference
2021-2022	External Scientific Consultant for the National Cancer Institute Fusion Oncoproteins in Childhood Cancers (FuSONC2) Program
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
2017-2022	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 (Acquired by Lundbeck Pharma in 2019)
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 2022	UC Berkeley Instructor for Advanced Toxicology (NST110)
Fall 2022	UC Berkeley Instructor for Chemical Biology (Chem135)
Spring 2022	UC Berkeley Instructor for Introduction to Toxicology (NST11)
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

### 2022

1. Forte N, Dovala D, Hesse MJ, McKenna JM, Tallarico JA, Schirle M, **Nomura DK** (2022) Targeted protein degradation through E2 recruitment. *BioRxiv* Doi: <https://doi.org/10.1101/2022.12.19.520812>.
2. Toriki ES\*, Papatzimas JW\*, Nishikawa K, Dovala D, McGregor LM, Hesse MJ, McKenna JM, Tallarico JA, Schirle M, **Nomura DK** (2022) Rational chemical design of molecular glue degraders. *BioRxiv* doi: <https://doi.org/10.1101/2022.11.04.512693>. (\* co-first authorship)
3. King EA, Cho Y, Dovala D, McKenna JM, Tallarico JA, Schirle M, **Nomura DK** (2022) Chemoproteomics-Enabled Discovery of a Covalent Molecular Glue Degradator Targeting NF- $\kappa$ B. *BioRxiv* <https://doi.org/10.1101/2022.05.18.492542>.
4. Henning NJ\*, Boike L\*, Spradlin JN, Ward CC, Liu G, Zhang E, Belcher BP, Brittain SM, Hesse M, Dovala D, McGregor LM, Veldez Misiolek R, Plasschaert LW, Rowlands DJ, Wang F, Frank AO, Fuller D, Estes AR, Randal KL, Panidapu A, McKenna JM, Tallarico JA, Schirle M, **Nomura DK** (2022) Deubiquitinase-targeting chimeras for targeted protein stabilization. *Nature Chemical Biology*, 18, 412-421. PMID 35210618 (\* co-first authorship)
5. Henning NJ\*, Manford AG\*, Spradlin JN, Brittain SM, McKenna JM, Tallarico JA, Schirle M, Rape M#, **Nomura DK**# (2022) Discovery of a covalent FEM1B recruiter for targeted protein degradation applications. *Journal of the American Chemical Society* 144, 701-708. PMID 34994556 (\*co-first authorship; #co-corresponding authorship)
6. Shin HR, Citron YR, Wang L, Tribouillard L, Goul CS, Stipp R, Sugawara Y, Jain A, Samson N, Lim C-Y, Davis OB, Castaneda-Carpio D, Qian M, **Nomura DK**, Perera RM, Park E, Covey DF, Laplante M, Evers AS, Zoncu R (2022) Lysosomal GPCR-like protein LYCHOS signals cholesterol sufficiency to mTORC1. *Science* 10.1126/science.abg6621.
7. Boike L, Henning NJ, **Nomura DK** (2022) Advances in covalent drug discovery. *Nature Reviews Drug Discovery*, <https://doi.org/10.1038/s41573-022-00542-z>.
8. Maza JC, Garcia-Almedina DM, Boike LE, Hamlish NX, **Nomura DK**, Francis MB (2022) Tyrosinase-Mediated Synthesis of Nanobody-Cell Conjugates. *ACS Central Science* <https://doi.org/10.1021/acscentrsci.1c01265>.
9. Benjamin DI, Both P, Benjamin JS, Nutter CW, Tan JH, Kang J, Machado LA, Klein JDD, de Morree A, Kim S, Liu L, Dulay H, Feraboli L, Louie SM, **Nomura DK**, Rando TA (2022) Fasting induces a highly resilient deep quiescent state in muscle stem cells via ketone body signaling. *Cell Metabolism* 34, 1-17.
10. Moon P\*, Boike L\*, Dovala D\*, Henning NJ\*, Knapp M\*, Spradlin JN\*, Ward CC\*, Wolleb H\*, Zammit CM\*, Fuller D, Blake G, Murphy JP, Wang F, Lu Y, Moquin SA, Tandeske L, Hesse MJ, McKenna JM, Tallarico JA, Schirle M, Toste FD#, **Nomura DK**# (2022) Discovery of potent pyrazoline-based covalent SARS-CoV-2 main protease inhibitors. *BioRxiv*, Submitted. (\*co-first authors; #co-corresponding authors)
11. Page ACS, Scholz SO, Keenan KN, Spradlin JN, Belcher BP, Brittain SM, Tallarico JA, McKenna JM, Schirle M, **Nomura DK**\*, Toste FD\* (2022) Photo-Brook rearrangement of acyl silanes as a strategy for photoaffinity probe design. *Chemical Science* 13, 3851-3856. PMID 35432890 (\*co-corresponding author)

### 2021

12. Belcher BP, Ward CC, **Nomura DK** (2021) Ligandability of E3 ligases for targeted protein degradation applications. *Biochemistry* doi:10.1021/acs.biochem.1c00464. PMID 34473924
13. Trauner D, Fischer C, Nynke V, Peitsinis Z, Ruhmann P, Yang C, Spradlin J, Dovala D, **Nomura D**, Zhang Y (2021) De novo design of SARS-CoV-2 Main Protease Inhibitors. *Synlett*, 33, 458-463. PMID 35282568
14. **Nomura DK**, Dey M (2021) Advances and opportunities in targeted protein degradation. *Cell Chemical Biology* 15, 887-888. PMID 34270936
15. Spradlin JN, Zhang E, **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. *Accounts of Chemical Research*. 54, 1801-1813. PMID 33733731
16. 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* 28, 559-566. PMID 33513350 (\*co-first authorship, # co-corresponding authorship)

17. 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)
18. Tong B, Belcher BP, **Nomura DK**, Maimone TJ (2021) Chemical investigations into the biosynthesis of the gymnastatin and dankastatin alkaloids. *Chemical Science* 12, 8884-8891. PMID 34257889
19. Biering SB, Van Dis E, Wehri E, Yamashiro LH, Nguyenla X, Dugast-Darzacq C, Graham TGW, Stroumza JR, Golovkine GR, Roberts AW, Fines DM, Spradlin JN, Ward CC, Bajaj T, Dovala D, Schulze Gahmen U, Bajaj R, Fox DM, Ott M, Murthy N, **Nomura DK**, Schaletzky J, Stanley SA (2021) Screening a library of FDA-approved and bioactive compounds for antiviral activity against SARS-CoV-2. *ACS Infectious Diseases* 7, 2337-2351. PMID 34129317
20. 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. *Developmental Cell* 56, 1989-2006. PMID 34118203
21. 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* 33, 1322-1341. PMID 34019840
22. 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* 3, 618-635. PMID 34031590
23. 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 $\beta$ -hydroxycholesterol is a pro-lipogenic factor that promotes SREBP1c expression and activity through Liver X-receptor. *Journal of Lipid Research*, 62, 100051. PMID 33631213
24. 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* 28, 1407-1419. PMID 33794192
25. Tomic 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* 20, 726-738. PMID 33536189

## 2020

26. 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)
27. 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)
28. 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)
29. 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
30. 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

31. 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
32. 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* 38, 129-143. PMID 32521271

## 2019

33. Chung CY-S\*, Shin HR\*, Berdan CA, Ford B, Ward CC, Olzmann JA, Zoncu R#, **Nomura DK**# (2019) Covalent targeting of the vacuolar H<sup>+</sup>-ATPase activates autophagy via mTORC1 inhibition. *Nature Chemical Biology* 15, 776-785. PMID 31285595 (\*co-first authorship; #co-corresponding authorship)
34. 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)
35. 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
36. 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)
37. Ahyong 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. PMID 31722991
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130. **Nomura DK**<sup>#</sup>, Morrison BE, Blankman JL, Long JZ, Kinsey SG, Marcondes MC, Ward AM, Hahn YK, Lichtman AH, Conti B, Cravatt BF<sup>#</sup>. (2011) Endocannabinoid hydrolysis generates brain eicosanoids that promote neuroinflammation. *Science* 334, 809-813. PMID: 22021672 (# co-corresponding author)
131. 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)

132. **Nomura DK**<sup>#</sup>, Lombardi DP, Chang JW, Niessen S, Ward AM, Long JZ, Hoover HH, Cravatt BF<sup>#</sup>. (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)
133. 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
134. 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
135. 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
136. 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
137. **Nomura DK**<sup>#</sup>, Casida JE<sup>#</sup>. (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)
138. Nicolaou KC, Sanchini S, Sarlah D, Lu G, Wu R, **Nomura DK**, Cravatt BF, Cubitt B, de la Torre JC, Hessell 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
139. 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
140. 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
141. 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
142. **Nomura DK**, Dix MM, Cravatt BF. (2010) Chemoproteomic Approaches for Biochemical Pathway Discovery in Cancer. *Nature Reviews Cancer* 10, 630-638. PMID: 20703252
143. **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
144. 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
145. 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
146. 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)

147. **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
148. 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
149. **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
150. **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
151. **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
152. 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
153. **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
154. 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
155. 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
156. 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
157. 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. McKenna J, **Nomura DK**, Toriki E, Papatzimas J, Dovala D, Hesse M, Nishikawa K. Molecular Glue Degradation Compounds and Uses Thereof. Provisional Patent Application filed October 21, 2022.
2. **Nomura DK**, Henning NJ, Spradlin JN, Ward CC, McKenna JM, Schirle M, Tallarico JA, Hesse M, Dovala D. Deubiquitinase Targeting Chimeras and Related Methods. PCT application filed.
3. Rape M, **Nomura DK**, Henning N, Manford A. FEM1B protein binding agents and uses thereof. PCT application; PCT/US2021/021347; WO2021183431A1.
4. **Nomura DK**, Cioffi A, Schirle M, Boike L, Tallarico JA, McKenna JM, Liu G. MYC inhibitors and uses thereof. Provisional patent application filed.
5. **Nomura DK**, Zoncu R, Chung YSC, Shin H, Canham S. mTORC1 inhibitors for Activating autophagy. PCT application WO2020146779.
6. **Nomura DK**, Roberts AM, Bateman LA, Miyamoto DK, Huffman TR, Ward CC. Compositions and methods for modulating UBA5. PCT application WO2018144869A1.
7. **Nomura DK**, Zoncu R, Roberts AM, Cho, KF, Chung YSC, Shin J, Croze B. mTORC1 modulators; US20190112268A1.
8. **Nomura DK**, Zoncu R, Ward C, Fung SK, Varma CK, Fontaine B. Methods and compounds for targeted autophagy. PCT Application WO2019183600A1.



9. Spradlin J, Ward CC, **Nomura DK**, Schirle M, Tallarico JA, McKenna JM, Maimone TJ, Hu X. Covalent targeting of E3 ligases. PCT Application WO2020076996A1.
10. **Nomura DK**, Anderson KE. Thioredoxin modulators and uses thereof. PCT application WO2018175958A1.
11. **Nomura DK**, Roberts LS, Ward CC. Compositions for treating breast cancer. PCT WO2018148598A1.
12. **Nomura DK**, Grossman EA, Ward CC, Bateman LA, Huffman TR, Miyamoto DK, Spradlin JL. Compositions and methods for modulating ppp2r1a. US20200054651A1.
13. **Nomura DK**, Olzmann JA, Bateman LA, Nguyen TB, Miyamoto DK, Huffman TR, Roberts AM. Compositions and methods for inhibiting Reticulon 4. PCT application WO2018144870A8.
14. Bachovchin D, Chang JW, Cravatt BF, Li W, Moellering RE, **Nomura DK**. Anti-cancer serine hydrolase inhibitory carbamates. US9249128B2.
15. 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** (2023) Reimagining Druggability using Chemoproteomic Platforms. Japan Chemical Biology meeting, Osaka, Japan.
2. Invited Speaker: **Nomura DK** (2023) Reimagining Druggability using Chemoproteomic Platforms. Princeton University Department of Chemistry seminar series, Princeton, NJ.
3. Invited Speaker: **Nomura DK** (2023) Reimagining Druggability using Chemoproteomic Platforms. Hanson Wade Molecular Glue Degradation Summit, Boston, MA.
4. Invited Speaker: **Nomura DK** (2023) Reimagining Druggability using Chemoproteomic Platforms. Harvard Medical School Department of Cell Biology student invite, Boston, MA.
5. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. University of Illinois, Urbana-Champaign, 18th Annual CBI TP Symposium for the Chemistry-Biology Interface Training Program (CBITP), Urbana-Champaign, Illinois.
6. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. FASEB Ubiquitin and Ubiquitin-like proteins conference, Boston, MA.
7. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. Applied Pharmaceutical Chemistry Symposium, Cambridge, MA.
8. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. 2<sup>nd</sup> Metabolism in Health and Disease, Cancun, Mexico.
9. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. 2<sup>nd</sup> Induced Proximity-Based Drug Discovery Summit, Boston, MA.
10. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. American Association of Cancer Research meeting, New Orleans, LA.
11. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. UC Santa Cruz Department of Chemistry seminar series, Santa Cruz, CA.
12. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. RSC Fragment based drug discovery, Cambridge, UK.
13. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. University of Pennsylvania, Department of Chemistry, Virtual.
14. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. Induced Proximity Targeting and Undruggables Conference, Boston, MA.
15. Invited Speaker: **Nomura DK** (2022) Reimagining Druggability using Chemoproteomic Platforms. Johns Hopkins University, Chemical Biology Interface Program student invite, Baltimore, Maryland.
16. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Pacific Chem Conference, Virtual.
17. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. NYAS Targeted Protein Degradation: From Drug Discovery to the Clinic, Virtual
18. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Research seminar at Emory University, Atlanta, GA.
19. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Research seminar at University of Southern California, Los Angeles, CA.



20. Keynote Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. International Chemical Biology Society meeting, Virtual
21. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. LMU Munich Organic Chemistry seminar, Virtual
22. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Research seminar at UC Irvine, Irvine, CA.
23. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Research seminar at University of Minnesota, Minneapolis, Minnesota.
24. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Discovery on Target meeting, Cambridge, MA
25. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Novartis: Frontiers of Science and Medicine Institutional Lecture, Cambridge, MA
26. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Dana Farber Cancer Institute Chemical Biology Symposium, Virtual
27. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. European Targeted Protein Degradation meeting, Virtual
28. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Vertex research seminar, Boston, MA
29. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Induced Proximity-Based Drug Discovery Summit, Hanson Wade, Virtual.
30. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. BioTechne Symposium: Advances in Targeted Protein Degradation, Virtual
31. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Ligase Targeting Drug Development, Hanson Wade, Virtual.
32. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. AACR meeting Chemistry in Cancer Research Town Hall, Virtual
33. Invited Speaker: **Nomura DK** (2021) Developing Coronavirus Anti-Viral Drugs. Center for Emerging and Neglected Diseases Symposium, Virtual.
34. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Helmholtz Drug Discovery Conference Speaker, Virtual.
35. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Rutgers University seminar speaker, Virtual.
36. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. North American Protein Degradation Congress meeting, Kisaco Research, Virtual.
37. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Targeted Protein Degradation & PROTAC symposium, Oxford Global, Virtual.
38. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. Stanford University, Department of Chemistry, Virtual.
39. Invited Speaker: **Nomura DK** (2021) Reimagining Druggability using Chemoproteomic Platforms. SLAS International Conference, Virtual.
40. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. UCSF Cancer Center, Virtual.
41. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Dana Farber Cancer Center Targeted Protein Degradation Seminar Series, Virtual.
42. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Janssen, Virtual.
43. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Oregon Health Sciences University, Virtual.
44. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. 3<sup>rd</sup> Annual Targeted Protein Degradation Meeting, Virtual.
45. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. 18<sup>th</sup> Annual Discovery on Target Conference, Virtual.
46. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Northwestern University Department of Chemistry, Virtual.
47. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Pfizer, Virtual.

48. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Transcription Factor Drug Development Conference, Virtual.
49. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Seminar at Cygnal Therapeutics, Virtual.
50. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. Natural Products Symposium at the New York Academy of Sciences, Virtual.
51. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. North American Targeted Degradation Summit. San Diego, CA.
52. Invited Speaker: **Nomura DK** (2020) Reimagining Druggability using Chemoproteomic Platforms. The Mark Foundation for Cancer Research Induced Proximity Meeting, New York, New York
53. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. MIT/Broad Institute Chemical Biology seminar series, Cambridge, MA
54. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Seminar at Calico, South San Francisco, CA
55. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. California Institute of Technology Chemical Biology seminar series, Pasadena, CA
56. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. UT San Antonio, San Antonio, TX.
57. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Harvard University Chemistry and Chemical Biology seminar speaker, Cambridge, MA
58. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Memorial Sloan Kettering Cancer Center, New York, NY.
59. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Bayer Life Science Workshop: Chemical Biology—Jointly Exploring New Frontiers, Berlin, Germany
60. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. 2<sup>nd</sup> Targeted Protein Degradation Summit meeting, Boston, MA
61. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Northwestern University, Chicago, IL.
62. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. American Chemical Society meeting, Targeted Protein Degradation session, San Diego, CA.
63. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Janssen Pharmaceuticals seminar speaker, Springhouse, Pennsylvania.
64. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Targeted Drug Discovery Summit, Boston, MA.
65. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. 60<sup>th</sup> International Conference on the Biosciences of Lipids, Tokyo, Japan.
66. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Bioorganic Chemistry Gordon Research Conference, Andover, NH.
67. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Novartis Institutes for BioMedical Research, Basel, Switzerland.
68. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. European Targeted Protein Degradation meeting, Basel, Switzerland
69. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Cayman Chemical Biology Symposium at the University of Michigan, Ann Arbor, Ann Arbor, MI.
70. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Yale Chemical Biology symposium, New Haven, CT.
71. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. World Molecular Engineering Network meeting, Cabo San Lucas, Mexico.
72. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. American Cancer Society meeting, Orlando, FL.
73. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Structural Genomics Consortium Targeted Protein Degradation meeting, Toronto, CA.
74. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Mark Foundation for Cancer Research Symposium, New York, NY.
75. Invited Speaker: **Nomura DK** (2019) Reimagining Druggability using Chemoproteomic Platforms. Medicinal and Bioorganic Chemistry Foundation meeting, Steamboat, CO.

76. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. 1<sup>st</sup> Targeted Protein Degradation Summit meeting, Boston, MA
77. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Merck and Co. Organic Chemistry Seminar Series, Kenilworth, NJ.
78. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Caltech Department of Chemistry, Pasadena, California.
79. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. EMBO Enzymes and Catalysis meeting, Pavia, Italy.
80. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. City of Hope Research Institute, Los Angeles, CA
81. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Structural Genomics Consortium on Target 2035. Berlin, Germany
82. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. BASF Metanomics, Berlin, Germany
83. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Pharmaron, Beijing, China.
84. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. BASF-CARA Symposium, Santa Barbara, CA.
85. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Cambridge Healthtech Institute's 17<sup>th</sup> Annual World Preclinical Congress, Boston, MA.
86. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. ACS National Medicinal Chemistry Symposium, Nashville, TN.
87. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Merck, South San Francisco, CA.
88. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. 2018 San Antonio Drug Discovery Symposium, San Antonio, TX.
89. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. AACR meeting, Chicago, IL.
90. Invited Speaker and Session Chair: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. ASBMB meeting, San Diego, CA.
91. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Agios, Cambridge, MA.
92. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. Astrazeneca, Waltham, MA.
93. Invited Speaker: **Nomura DK** (2018) Redefining Druggability and Toxicology using Chemoproteomic Platforms. University of California, Riverside, Riverside, CA.
94. Invited Speaker: **Nomura DK** (2018) Redefining Druggability using Chemoproteomic Platforms. Tumor Metabolism Keystone meeting, Snowbird, Utah.
95. Invited Speaker: **Nomura DK** (2017) Redefining Toxicology and Druggability using Chemoproteomic Platforms. Superfund Research Program meeting, Philadelphia, Pennsylvania.
96. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. Tufts University Medical School, Boston, MA.
97. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. University of Virginia, Charlottesville, VA.
98. Invited Speaker and Wendell Griffith Lecturer: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. St Louis University, St. Louis, MO.
99. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. AACR Advances in Breast Cancer Meeting, Hollywood, CA.
100. Invited Speaker: **Nomura DK** (2017) Redefining Druggability using Chemoproteomic Platforms. Austrian Proteomics Association meeting, Graz, Austria.
101. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. Enzymes, Coenzymes, & Metabolic Pathways Gordon Conference. Waterville Valley, NH.
102. Invited Speaker: **Nomura DK** (2017) Chemoproteomic and Metabolomic Platforms for Mapping Drivers of Disease. American Diabetes Association meeting. San Diego, CA.
103. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. Royal Society of Chemistry Chemical Biology Symposium. London, UK.

104. Invited Speaker: **Nomura DK** (2017) Chemoproteomic Platforms for Mapping Druggable Hotspots in Disease. World Molecular Engineering Network conference, San Jose Del Cabo, Mexico.
105. Invited Speaker: **Nomura DK** (2017) Using Chemoproteomic and Metabolomic Platforms to Map Drivers of Human Disease, UCSF Breast Oncology Program Seminar, San Francisco, CA.
106. 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.
107. 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.
108. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, The University of Sydney Charles Perkin Centre, Sydney, Australia.
109. Keynote Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Third Australian Lipids Meeting, Melbourne, Australia.
110. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, University of Georgia, Athens, Georgia.
111. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, UCSD Metabolomics Symposium, La Jolla, CA.
112. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Oregon Health State University, Portland, Oregon.
113. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Amgen South San Francisco, CA
114. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Drug Discovery and Toxicology, Vanderbilt University Chemical Biology Seminar Series, Nashville, Tennessee.
115. Invited Speaker: **Nomura DK** (2016) Using Chemoproteomic Platforms for Toxicology and Drug Discovery GETA (Genetic and Environmental Toxicology Association) Symposium, Oakland, CA.
116. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. Gilead Medicinal Chemistry Seminar Series, Foster City, CA.
117. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. Gordon Conference on Bioorganic Chemistry, New Hampshire.
118. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. AACR National Meeting, New Orleans, Louisiana.
119. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. University of Pavia, Italy.
120. Invited Speaker: **Nomura DK** (2016) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Medical University of Graz, Graz, Austria.
121. 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.
122. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Cleveland Clinic, Cleveland, Ohio.
123. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Purdue University, Department of Nutrition, Indiana.
124. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCLA, Los Angeles, California.
125. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. University of Wisconsin, Madison Department of Biochemistry, Madison, Wisconsin.
126. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSF Cancer Center, San Francisco, CA
127. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSF Endocrinology, San Francisco, CA
128. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. UCSD Bioengineering Department, La Jolla, CA
129. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Dana Farber Cancer Institute, Boston, Massachusetts.

130. 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.
131. 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.
132. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Cancer using Chemoproteomic and Metabolomic Platforms. AACR Metabolism and Cancer meeting, Bellevue, Washington.
133. Invited Speaker: **Nomura DK** (2015) Mapping Metabolic Drivers of Disease using Chemoproteomic and Metabolomic Platforms. Lipid Maps Meeting 2015, La Jolla, CA.
134. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, Dana Farber/Harvard Medical School, Boston, MA.
135. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, Searle Meeting, Chicago, IL.
136. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Metabolic Pathways in Disease Using Chemoproteomic and Metabolomic Platforms, University of Chicago, Chicago, IL.
137. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Lipid Metabolism in Disease using Chemoproteomic and Metabolomic Platforms, RIKEN, Yokohama, Japan.
138. Invited Speaker: **Nomura DK** (2015) Mapping Dysregulated Lipid Metabolism in Disease using Chemoproteomic and Metabolomic Platforms, Phospholipase Meeting, Tokyo, Japan.
139. Seminar speaker: **Nomura DK** (2014) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology, UC Berkeley, Nutritional Sciences and Toxicology Department
140. 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.
141. Invited Speaker: **Nomura DK** (2014) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology, Genentech, South San Francisco, CA Investigative Toxicology Division
142. Poster: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Cancer Using Functional Proteomic and Metabolomic Platforms, Searle Scholars Meeting, Chicago, IL.
143. Invited Speaker: **Nomura DK** (2014) Mapping Dysregulated Lipid Metabolism in Cancer using Chemoproteomic and Metabolomic Platforms, ASBMB meeting, San Diego, CA.
144. Invited Speaker: **Nomura DK** (2014) Mapping Dysregulated Lipid Metabolism in Cancer using Chemoproteomic and Metabolomic Platforms, Keystone Meeting on Tumor Metabolism, Whistler, Canada.
145. Invited Speaker: **Nomura DK** (2014) Validating Monoacylglycerol Lipase Inhibitors in Combatting Parkinson's Disease, Michael J Fox Foundation, New York, NY.
146. Invited Seminar Speaker: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, Karolinska Institute, Stockholm, Sweden.
147. Invited Seminar Speaker: **Nomura DK** (2014) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, University of Pavia, Pavia, Italy.
148. Invited Seminar Speaker: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, Novartis, Cambridge, MA.
149. Invited Seminar Speaker: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Disease using Chemoproteomic and Metabolomic Platforms, UC Merced, Merced, CA.
150. 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.
151. Keynote Speaker: **Nomura DK** (2013) Chemoproteomic and Metabolomic Strategies for Drug Discovery and Toxicology. NorCal Society of Toxicology meeting, South San Francisco, CA.
152. 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.
153. 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.
154. Invited Speaker: **Nomura DK** (2013) Endocannabinoid hydrolysis generates eicosanoids that promote inflammation. Gordon conference Molecular and Cellular Biology of Lipids, New Hampshire, NJ

155. Poster: **Nomura DK** (2013) Mapping dysregulated metabolic pathways in cancer. Gordon conference bioorganic chemistry, New Hampshire, NJ.
156. Poster: **Nomura DK** (2013) Mapping Dysregulated Metabolic Pathways in Cancer Using Functional Proteomic and Metabolomic Platforms, Searle Scholars Meeting, Chicago, IL.
157. 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
158. Invited Speaker: **Nomura DK** (2013) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. Seminar speaker at University of Minnesota, Minneapolis, MN.
159. Invited Speaker: **Nomura DK** (2012) Mapping dysregulated metabolic pathways in disease using functional proteomic and metabolomic platforms. Seminar speaker at Agilent, Santa Clara, CA.
160. Invited Speaker: **Nomura DK** (2012) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. Seminar speaker at Pfizer Neuroscience, Cambridge, MA.
161. 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.
162. Keynote Invited Speaker: **Nomura DK** (2012) Mapping dysregulated metabolic pathways in cancer using functional proteomic and metabolomic platforms. Austrian Proteomics Research Symposium, Graz, Austria.
163. Invited Speaker: **Nomura DK**. (2012) Endocannabinoid hydrolysis generates brain prostaglandins that promote neuroinflammation. *International Cannabinoid Research Society* meeting, Freiberg, Germany.
164. Poster: **Nomura DK** and Samad TA (2012) Metabolomic profiling for mapping anti-inflammatory pathways in neurodegenerative disease. *Genetics and Chemistry Cell Symposium*, Cambridge, Massachusetts.
165. 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
166. 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.
167. Invited Speaker: **Nomura DK** (2011) Mapping dysregulated metabolic pathways in cancer using activity-based proteomics. American Chemical Society meeting, Denver, Colorado.
168. Invited Speaker: **Nomura DK**, Cravatt BF (2011) Mapping dysregulated metabolic pathways in cancer. American Association for Cancer Research meeting, Orlando, Florida.
169. 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.
170. Invited Speaker: **Nomura DK**. (2009) Chemical Approaches to Annotating Toxicological and Biological Systems. University of California Toxic Substances & Teaching Program Symposium, Berkeley, California.
171. 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.
172. 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.
173. 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.
174. 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
Aman Modi (2022-current)	Graduate Student	
Justin Hatcher (2022-current)	Undergraduate Researcher	

<p>Taylor Nuttall (2022-current)  Lily Garelick (2022-current)  Yuki Terauchi (2022-current)  Melissa Lim (2022-current)  Hannah Rosen (2022-current)  Seong Ho (Johnny) Hong (2022-current)  Hannah Grupe (2022-current)  Nathan Hsu (2022-current)  Zoe Duong (2022-current)  Melissa Pighetti (2021-2022)</p>	<p>Graduate Student  Undergraduate Researcher  Visiting Scholar  Graduate Student  Graduate Student  Postdoctoral Fellow</p>	<p>Scientist at Otsuka Pharma</p>
<p>Emily Heller (2021-current)  Emily Ho (2021-current)  Halime Yilmaz (2021-current)  Amy Cho (2021-current)  Kaila Nishikawa (2021-current)  Anand Divakaran (2021-current)  Xavier Tao (2021-current)  Belen E. Altamirano Poblano (2021-current)  Katelyn Randal (2021-2022)  Anoohya Panidapu (2021-current)  Vienna Thomas (2020-current)  Ethan Toriki (2020-current)  Margot Meyers (2020-current)  Abigail Estes (2020-2021)  Elizabeth King (2020-current)  Nafsika Forte (2020-current)  James Papatzimas (2020-current)  Matthew Cerda (2020-2021)  Charlotte Zammit (2020-current)  Qian Shao (2020-current)</p>	<p>Research Technician  Undergraduate Researcher  Undergraduate Researcher  Oxford University Exchange Student  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Postdoctoral Fellow  Undergraduate Researcher  Undergraduate Researcher</p>	<p>PhD program at Princeton University</p>
<p>Helen Bui (2020-2022)  Yangzhi (Robby) Wang (2020-current)  Brian So (2019-2022)  Michelle Tang (2019-2022)  Jennifer Co (2019-2021)  Erika Zhang (2019-2022)  Lydia Zhang (2019-current)  Flor (Alicia) Gowans (2019-current)  Nathaniel Henning (2019-2022)  Deirdre Willgohs (2018-2018)  Benjamin Fontaine (2018-2021)  Lydia Boike (2018-2022)  Chad Altobelli (2018-2019)  Angela Xiong (2018-2019)  Felix Majewski (2018-2020)  Ross White (2018-2019)</p>	<p>Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Graduate Researcher  Graduate Researcher  Graduate Researcher  Research Intern  Postdoctoral Fellow  Graduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher</p>	<p>PhD program at Stanford University</p>
<p>Sarah Buzsaki (2018-2020)  May Fung (2018-2020)  Sasha Demeulenaere (2018-2018)  Kenneth Kim (2017-2021)</p>	<p>Undergraduate Researcher  Postdoctoral Fellow  Undergraduate Researcher  Undergraduate Researcher</p>	<p>Lecturer at UC Berkeley</p> <p>Scientist at Lonza</p>
		<p>PhD program at Cornell University  PhD program at Stanford University  PhD program at Stanford University  PhD program at MIT</p> <p>Scientist at Vicinitas Therapeutics  Student at Northwestern University  Scientist at LifeMine Therapeutics  Scientist at Vicinitas Therapeutics  PhD program at UCSF  PhD program at Boston College  PhD program at Stanford University  Research Specialist at Scribe Therapeutics  PhD program at Rice University  Scientist at Hong Kong Jockey Club  MD/PhD student at Loyola Medicine</p>

Samantha Tang (2017-2020)	Administrative and Lab Assistant	
Christine Thatcher (2017-2018)	Undergraduate Researcher	Scientist at Lawrence Livermore National Laboratory
Kyra Berger (2017-2018)	Undergraduate Researcher	Deputy Team Leader at RIKEN
Yosuke Isobe (2018-2020)	Postdoctoral Fellow	Assistant Professor at Hong Kong University
Clive Yik Sham Chung (2017-2020)	Postdoctoral Fellow	Scientist at Nurix
Katherine Near (2017-2019)	Postdoctoral Fellow	Scientist at Frontier Medicines
Alexander Cioffi (2017-2019)	Postdoctoral Fellow	PhD program at Stanford University
Lisha Ou (2017-2019)	Undergraduate Researcher	Postdoc, Medical Univ of Graz
Linda Waldherr (2017-2017)	Visiting Grad Student	
Raymond Ho (2017-2018)	Undergraduate Researcher	Research Assistant at University of Utah
Sage Geher (2017-2017)	Undergraduate Researcher	Assistant Professor at China Agricultural University
Mai Luo (2016-2020)	Postdoctoral Fellow	
Tamara Tomin (2016-2017)	Visiting Grad Student	
Alex Renn (2016-2017)	Undergraduate Researcher	PhD program at UCSF
Jordan Kleinman (2016-2019)	Research Associate	PhD program at Northwestern University
Ashley Ives (2016-2017)	Undergraduate Researcher	
Sultana Mojadidi (2016-2016)	Undergraduate Researcher	Genentech Postdoctoral Fellow
Jessica Spradlin (2016-2020)	Graduate Researcher	F99/K00 Postdoc at UCSF
Carl Ward (2016-2020)	Graduate Researcher	Scientist at Frontier Medicines
Allison Roberts (2015-2018)	Graduate Researcher	PhD program at Stanford University
Amanda Wigenhorn (2016-2019)	Research Associate	PhD program at UC Berkeley
Joseph Hendricks (2016-2017)	Undergraduate Researcher	
Anna Flury (2016-2016)	Lab Assistant	Medical student at Western University of Health Sciences
Haley Lehtola (2016-2018)	Undergraduate Researcher	PhD student at MIT
Yana Petri (2016-2019)	Research Associate	
Justin Wang (2016-2017)	Undergraduate Researcher	Process Engineer at EXP
Ivan Atencio (2016-2017)	Undergraduate Researcher	
Andrew Hong (2016-2016)	Undergraduate Researcher	Associate at Genentech
Catherine Cascavita (2015-2016)	Lab Manager	Innovation Postdoc at Novartis
Elizabeth Grossman (2014-2019)	Graduate Researcher	Emergency Room Scribe at Vituity
Michelle Luu (2015-2017)	Undergraduate Researcher	Medical Student at University of Iowa
Deepika Raghavan (2015-2016)	Undergraduate Researcher	Medical Student at UCLA
Peter Yan (2015-2017)	Undergraduate Researcher	Scientist at Frontier Medicines
Kimberly Anderson (2015-2018)	Graduate Researcher	PhD student at Washington University
Melanie Hubbuck (2015-2017)	Graduate Researcher	Senior Life Sciences Consultant at Guidehouse
Megan Duckering (2015-2016)	Undergraduate Researcher	Research Assistant at Stanford University
Angela Yang (2015-2015)	Undergraduate Researcher	Associate Consultant with McKinsey and Company
Charles Berdan (2014-2019)	Graduate Researcher	
Wan-Min Ku (2014-2017)	Undergraduate Researcher	Senior Scientist at Neomorph
Derek Barbas (2014-2015)	Undergraduate Researcher	Postdoc at BASF
Leslie Bateman (2014-2016)	Postdoctoral Fellow	
Breanna Ford (2014-2019)	Graduate Researcher	
Wallace Lowe (2014-2015)	Undergraduate Researcher	Graduate Student at TSRI in Ryan Shenvi's lab
Tucker Huffman (2014-2017)	Undergraduate Researcher	Account Manager at Quantcast
Olivia Dibenedetto (2014-2014)	Undergraduate Researcher	



<p>Jeffrey Coleman (2014-2014)  Lara Bideyan (2014-2015)  Esha Dalvie (2013-2016)  Daniel Li (2013-2015)  Jessica Counihan (2013-2018)</p>	<p>Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Graduate Researcher</p>	<p>PhD student at UCLA  PhD program at Vanderbilt University  Postbac at NIH  Consultant for ClearView Healthcare Partners</p>
<p>Sharon Zhong (2013-2015)  David Miyamoto (2013-2015)  Karl Fisher (2013-2014)  Lauryn Chan (2013-2014)  Lucky Ding (2013-2016)  Nivedita Keshav (2013-2014)  Ann Heslin (2013-2015)  Chynna Tang (2013-2014)</p>	<p>Undergraduate Researcher  Undergraduate Researcher  Associate Specialist  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher  Undergraduate Researcher</p>	<p>PhD program at Harvard University  Director of Chemistry at Lygos  Food Technologist at Beyond Meat  Medical Student at UCSF  Medical Student at UCLA  Associate Product Manager at Veeva  Graduate student in UC Berkeley Optometry Program  Research Assistant at Genentech  Senior Research Biologist at 3M  Senior Scientist, Nuredis Inc.  Medical Doctor  Undergraduate at Duke University  Medical Resident at UCLA  Senior Scientist at Merck  Staff Scientist at NCI/NIH  Senior Scientist at Genentech  Researcher in Mina Bissell Lab, LBNL  Scientist at Nurix</p>
<p>Yoav Azaria (2012-2014)  Devon Hunerdosse (2012-2015)  Lindsay Roberts (2012-2017)  Ramandeep Dhillon (2012-2015)  Alice Shieh (2012-2013)  Tara Narasimhalu (2012-2014)  Rebecca Kohnz (2012-2016)  Patrick Morris (2012-2014)  Melinda Mulvihill (2012-2014)  Alyssa Cozzo (2012-2013)  Daniel Medina-Cleghorn (2011-2015)  Jay Andrew Cosme Barcelon (2011-2012)  McKenna Green (2012-2014)</p>	<p>Undergraduate Researcher  Graduate Researcher  Graduate Researcher  Administrative and Lab Asst.  Undergraduate Researcher  Undergraduate Researcher  Postdoctoral Fellow  Postdoctoral Fellow  Postdoctoral Fellow  Postdoctoral Fellow  Undergraduate Researcher  Graduate Researcher</p>	<p>Strategic Market Access &amp; Intelligence Analyst at XCenda  Resident Physician at Detroit Medical Center  Postdoc at Stanford in Tom Rando Lab  Scientist at CohBar  Graduate Student at SF State  Postdoctoral Fellow at U. Chicago  Anesthesiology Resident at Harvard Medical School  Principal Compliance Manager at Genentech</p>
<p>Daniel I Benjamin (2011-2015)  Sharon M Louie (2011-2017)  Anayo Ohiri (2011-2013)  Jae Wong Chang (2009-2011)  Anna M. Ward (2004-2008, 2010)</p>	<p>Graduate Researcher  Graduate Researcher  Undergraduate Researcher  Graduate Researcher</p>	<p>Undergraduate Researcher</p>
<p>Roger Issa (2004-2008)</p>	<p>Undergraduate Researcher</p>	<p>Undergraduate Researcher</p>