Melanie Ott, MD, PhD
Gladstone Institute of Virology
University of California, San Francisco
1650 Owens Street
San Francisco, CA 94158
Office: *415-734-4807*
Facsimile: *415-355-0855*
Melanie.ott@gladstone.ucsf.edu
ottlab.gladstone.org

EDUCATION

1986 Visiting Student, Faculté de Médecine St. Antoine, Paris, France
1987 Visiting Student, The John Radcliffe Hospital, Oxford, UK
1991 M.D., University of Frankfurt/Main, Germany
1997 Ph.D., Picower Graduate School, Manhasset, NY (now Elmezzi Graduate School); Advisor: Eric Verdin
2004 Habilitation, University of Heidelberg, Germany

EMPLOYMENT

1991-1994	Resident/Fellow, University Hospital, Johann Wolfgang Goethe-University, Frankfurt/Main, Germany, Department of Neurology.
1994-1997	Graduate Student under Eric Verdin, Picower Institute for Molecular Medicine, Manhasset, NY.
1998-2002	Group Leader, German Cancer Research Center (DKFZ), Heidelberg, Germany.
2002-2004	Visiting Investigator, Gladstone Institute of Virology and Immunology, San Francisco, CA.
2004-2007	Staff Research Investigator, Gladstone Institute of Virology and Immunology, San Francisco, CA.
2005-2008	Assistant Professor, University of California, San Francisco, CA, Department of Medicine, School of Medicine.
8/07-12/11	Associate Investigator, Gladstone Institute of Virology and Immunology, San Francisco, CA.
5/08-6/12	Associate Professor, University of California, San Francisco, CA, Department of Medicine, School of Medicine.
01/12-present	Senior Investigator, Gladstone Institute of Virology, San Francisco, CA.
7/12-present	Professor, University of California, San Francisco, CA, Department of Medicine, School of Medicine.
2020-present	Director, Gladstone Institute of Virology
2020-present	Senior Vice President, Gladstone Institutes
2022-present	Chan-Zuckerberg Biohub Investigator, San Francisco, CA

HONORS AND AWARDS

1984-1990	Scholarship for duration of medical studies, German National Merit Foundation (Studienstiftung des deutschen Volkes), Germany.
1991	Graduated with Honors, University of Frankfurt, Germany
1999	Young Researcher Award, European Conference on Experimental AIDS Research, Tampere, Finland.
2000	Young Researcher Award, European Conference on Experimental AIDS Research, Madrid, Spain.
2006	Hellman Family Award, UCSF, San Francisco, CA
2008	Sandler Opportunity Award, UCSF, San Francisco, CA

2008	UCSF Chancellor's Award for Public Service, UCSF, San Francisco, CA
2008	Thomas N. Burbridge Award, UCSF, San Francisco, CA
2013	elected Member of Association of American Physicians (AAP)
2014	Avant Garde Award (DP1), Director's Award, National Institutes of Health/NIDA
2017	elected Fellow of the American Academy of Microbiology (ASM)
2018	UCSF AIDS Research Institute Award for Outstanding Teaching and Mentoring
2019	NIH MERIT Award
2024	Nick and Sue Hellmann Distinguished Professor, Gladstone Institute of Virology

PROFESSIONAL ACTIVITIES

Membership in Professional Organizations

1996-present	American Association for the Advancement of Science
2004-present	American Society for Microbiology
2012-present	American Association for the Study of Liver Diseases (elected)
2013-present	Association of American Physicians (elected)
2017-present	American Academy of Microbiology (elected)

Service to Professional Publications

PLoS One	Member Editorial Board
Virology	Member Editorial Board
J Viral Eradication	Member Editorial Board
PLoS Genetics	Guest Associate Editor
mBio	Guest Associate Editor
eLife	Guest Editor
Science	Ad Hoc Reviewer
Science Translational Medicine	Ad Hoc Reviewer
Science Immunology	Ad Hoc Reviewer
Nature	Ad Hoc Reviewer
Nature Medicine	Ad Hoc Reviewer
Nature Communications	Ad Hoc Reviewer
Nature Microbiology	Ad Hoc Reviewer
Scientific Reports	Ad Hoc Reviewer
Cell	Ad Hoc Reviewer
Molecular Cell	Ad Hoc Reviewer
Cell Host & Microbe	Ad Hoc Reviewer
Cell Reports	Ad Hoc Reviewer
Cell Stem Cells	Ad Hoc Reviewer
EMBO Journal	Ad Hoc Reviewer
PLoS Biology	Ad Hoc Reviewer
PLoS Pathogens	Ad Hoc Reviewer
eLife	Ad Hoc Reviewer
FASEB Journal	Ad Hoc Reviewer
PNAS	Ad Hoc Reviewer
Molecular and Cellular Biology	Ad Hoc Reviewer
Journal of Infectious Diseases	Ad Hoc Reviewer
Journal of Virology	Ad Hoc Reviewer
Virus Research	Ad Hoc Reviewer
Int'l Journal of Cancer	Ad Hoc Reviewer
Cancer Research	Ad Hoc Reviewer
Journal of General Virology	Ad Hoc Reviewer

NIH GRANT REVIEWS/Study Section Participation

6/2009	NIH Challenge Grants	Ad Hoc Reviewer
3/2010	Natl. Inst. of Drug Abuse	Member, Special Emphasis Panel
2010-2015	Permanent member NIH/NIAID, AIDS Molecular and Cellular Biology study section	
2016	Ad Hoc Reviewer, NIDA Avant Garde Award	
2017	Ad Hoc Reviewer, NIDA Avenir Award	
2017	Ad Hoc Reviewer, NIDA Avant Garde Award	
2018	Ad Hoc Reviewer, NIH/NIAID, AIDS Molecular and Cellular Biology study section	
2019	Chair, NIH/NIAID, PAR 17-471, Detection of HIV for Self-Testing (R61/R33)	
2019	Ad Hoc Reviewer, NIH/NIAID, Fellowship ZRG1 F17 M for pre-doctorate (F31), MD/PhD (F30) and post-doctorate (F32)	
2019	Ad Hoc Reviewer, NIH/NIDA	
2023	Ad Hoc Reviewer**,** DoD Intramural Infectious Disease Research Program	

Scientific Advisory Board Participation

2011-2019	Member, Scientific Advisory Board, Heinrich Pette Institute, Leibniz Institute for Experimental Virology, Hamburg, Germany
2013-present	Member, Scientific Advisory Board, Helmholtz Center for Infection Research, Braunschweig, Germany
2013	Member, Review Panel, Research Program: Genes and Environment in Common Diseases, Helmholtz Center Munich, Germany
2015	Member, International AIDS Society, HIV Cure International Scientific Working Group
2019	Member of the 23rd International AIDS Conference Coordinating Committee (AIDS 2020 CCC), Co-lead for Track A “Basic Science”, San Francisco, CA
2022	Voting member, Cellular, Tissue, and Gene Therapies Advisory Committee, Food and Drug Administration
2023	Voting member, National Advisory Council on Drug Abuse
2023	Scientific Advisory Board (SAB), Military HIV Research Program (MHRP), Walter Reed Army Institute of Research

INVITED LECTURES, PRESENTATIONS

1999	Symposium on Molecular Biology of Human Retroviruses, Erlangen, Germany
1999	ATV-Kolloquium, Virus-Host Interactions, Basic and Applied Aspects, Heidelberg, Germany
1999	Invited Research Seminar, Research Institute, Borstel, Germany
1999	Invited Research Seminar, Immunomoonshine, DKFZ, Heidelberg, Germany
2000	Invited Research Seminar, National Research Center for Environment and Health (GSF), Munich, Germany
2001	Invited Research Seminar, University of Erlangen, Department of Virology, Germany
2001	Symposium, HIV pathogenesis and Virus Host Cell Interactions, Heidelberg.
2002	Session Chair and invited speaker, Annual Meeting of the German/Swiss/Austrian Society for Virology (GfV), Erlangen, Germany
2003	Novartis Foundation Symposium, Reversible acetylation and methylation of chromatin and non-histone proteins: biology and relevance to human disease, London, UK
2003	Liver Center Seminar, UCSF Liver Center, University of California, San Francisco, USA
2003	Invited Research Seminar, Mount Sinai School of Medicine, New York, USA

2003 Poster Prize and talk at the 10th International Meeting on Hepatitis Virus and Related Viruses, Kyoto, Japan
2004 Oral Presentation, Keystone Symposia, Molecular Mechanisms of HIV Pathogenesis, Whistler British Columbia, Canada
2005 Invited Speaker, Keystone Symposia, Chromatin Modification Pathways, Snowbird, Utah, USA
2006 Invited Speaker, UCSF Liver Center Symposium: Viral and host factors in Hepatitis B and C, Sonoma, CA
2007 Invited Research Seminar, The Wistar Institute, Philadelphia, PA
2007 Invited Research Seminar, University of California, Davis, CA
2008 Invited Speaker, UCSF Biomedical Sciences Graduate Program Retreat, Granlibakken, CA
2009 Oral Presentation, FASEB Summer Research Conference: Histone Deacetylases and Reversible Acetylation in Signaling and Disease, Lucca, Italy
2010 Convener, Session 36-Symposium, HIV Replication: In and Out of the Cell; 17th Conference on Retroviruses and Opportunistic Infections (*CROI 2010*), Seattle, WA
2010 Invited Speaker and Member of the Organizing Committee, CFAR Symposium: HIV Infection, Inflammation, and Premature Aging, San Francisco, CA
2010 Invited Speaker, FASEB Summer Research Conferences Lipid Droplets: Metabolic Consequences of the Storage of Neutral Fat, Steamboat, CO
2010 Invited Speaker, Symposium, Society on NeuroImmune Pharmacology (SNIP), Manhattan Beach, CA
2010 Invited Participant, International AIDS Conference Pre-Conference Workshop, “Towards a Cure”: HIV Reservoirs and Strategies to Control them. Workshop Chair: Françoise Barré-Sinoussi, Vienna, Austria
2010 Invited Speaker, P-TEFb and regulation of transcriptional elongation. Max Planck Society, Schloss Ringsberg, Kreuth, Germany
2011 Invited Research Seminar, The Feinstein Institute for Medical Research, Manhasset, NY
2011 Invited Speaker, First Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2011 Invited Research Seminar, Sirna Therapeutics, San Francisco, CA
2011 Invited Research Seminar, University of Alberta, Canada
2011 Invited Speaker, FASEB Summer Research Conference: Histone Deacetylases and Reversible Acetylation in Signaling and Disease, Steamboat Springs, CO
2011 Invited Speaker, FASEB Summer Research Conference: Transcriptional Elongation in Health and Disease, Lucca, Italy
2011 Invited Research Seminar, Karl-Franzens-University, Graz, Austria
2011 Invited Research Seminar, Department of Plant and Microbial Biology, University of California Berkeley, CA
2012 Endocrine Grand Rounds, University of California San Francisco, CA
2012 Invited Speaker, Keystone Symposium on Frontiers in HIV Pathogenesis, Therapy and Eradication, Whistler, British Colombia, Canada
2012 Invited Speaker, Global Health Travel Workshop, Keystone Symposium, Whistler, British Colombia, Canada
2012 Session Chair, Keystone Symposium on Frontiers in HIV Pathogenesis, Therapy and Eradication, Whistler, British Colombia, Canada
2012 Invited Speaker, Annual Meeting of the American Society of Biochemistry and Molecular Biology, in conjunction with Experimental Biology, San Diego, CA
2012 Invited Research Seminar, Department of Nutritional Science and Toxicology, University of California Berkeley, CA

2012 Co-Organizer, Second Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2012 Keynote Speaker, 19th Annual ASM Conference for Undergraduate Educators (ASMCUE), San Mateo, CA
2012 Invited Speaker, FASEB Summer Research Conference: Lipid Droplets: Metabolic Consequences of the Storage of Neutral Lipids, Snowmass, CO
2012 Invited Speaker, Symposium, Advances in Infection and Cancer, Heidelberg, Germany
2012 Invited Research Seminar, Julius-Maximilians-University, Wuerzburg, Germany
2012 Keynote Speaker, 3rd North-Regio-Day on Infection-NORDI III, Braunschweig, Germany
2012 Invited Speaker, Symposium, Chromatin and Viral Infection, NIH, Bethesda, MA
2013 Invited Research Seminar, Vanderbilt University School of Medicine, Nashville, TN
2013 Co-Organizer, FASEB Summer Research Conference: Histone Deacetylases and Reversible Acetylation in Signaling and Disease, Lucca, Italy
2013 Invited Speaker, 2013 Gordon Research Conference on the Molecular and Cellular Biology of Lipids, Waterville Valley Resort, NH
2013 Co-Organizer, Third Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2013 Invited Speaker, Sixth International Workshop, HIV Persistence during Therapy, Miami, FL
2013 Keynote Speaker, 20th West Coast Retrovirus Meeting, Palm Springs, CA
2014 Invited Speaker, International AIDS Society Towards an HIV Cure Symposium, Melbourne, Australia
2014 Invited Speaker, Australian Centre for HIV and Hepatitis Virology (ACH2) Symposium, Melbourne, Australia
2014 Invited Speaker, Chromatin Control of Viral Infection, NIH Bethesda, MD
2014 Co-Organizer and Invited Speaker, 3rd ASM Conference on “Viral Manipulation of Nuclear Processes”, Washington, DC
2014 Invited Speaker, Strategies for an HIV Cure 2014, NIH, Bethesda, MD
2014 Co-Organizer, Fourth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2015 Co-Convener and Invited Speaker at Plenary Session, 2015 ASM General Meeting, “Zombie microbes: dormancy, latency and persistence”. New Orleans, LA
2015 Invited Speaker, FASEB Summer Research Conference: Histone Deacetylases and Reversible Acetylation in Signaling and Disease, Hamburg, Germany
2015 Invited Research Seminar, Washington University, St Louis, MO
2015 Invited Research Seminar, University of Pennsylvania, Philadelphia, PA
2015 Keynote Speaker, UCSF Liver Center Symposium, San Francisco, CA
2015 Co-Organizer, Fifth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2015 Keynote Speaker, 22th West Coast Retrovirus Meeting, Palm Springs, CA
2016 Invited Speaker, Keystone Symposia on Nuclear Receptors: Full Throttle/Metabolism, Transcription and Disease, Snowbird, UT
2016 Invited Speaker, Keystone Symposium on HIV Persistence: Pathogenesis and Eradication/Vaccines for the Prevention of HIV-1 Infection. Olympic Valley, CA
2016 Invited Speaker, Cell Symposia, Transcriptional Regulation in Development and Disease. Chicago, IL
2016 Co-Organizer, Sixth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA

2016 Invited Research Seminar, Utah University School of Medicine, Microbial Pathogenesis Seminar Series
2016 Invited Research Seminar, Columbia University Medical Center, New York, NY.
2016 Invited Speaker, Chromatin Control of Viral Infection, NIH, Bethesda, MD
2016 Invited Speaker, Epigenetic Control and Cellular Plasticity, UC Irvine, CA
2016 Invited Research Seminar, UT Southwestern, Dallas, TX.
2017 Invited Research Seminar, National Institute of Health, Laboratory of Viral Diseases, Bethesda, MD
2017 Invited Research Seminar, University of Heidelberg, Germany
2017 Invited Speaker, EMBO Conference, Hijacking Host Signaling and Epigenetic Mimicry during Infections, Paris, France
2017 Invited Speaker, FASEB Science Research Conference, Reversible Acetylation on Health and Disease (HDACs), Big Sky, MT
2017 Invited Speaker, First Symposium on Viral Infectious Diseases, Varadero, Cuba
2017 Invited Research Seminar, School of Public Health, University of California, Berkeley, CA
2017 Co-Organizer, Seventh Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2018 Invited Research Seminar, Scripps Research Institute, Jupiter, FL
2018 Invited Research Seminar, Immunobiology Program, Yale University, New Haven, CT
2018 Invited Research Seminar, Microbiology Program, Yale University, New Haven, CT
2018 Invited Research Seminar, Erasmus Medical Center, Rotterdam, The Netherlands
2018 Co-Organizer, Eighth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2018 Invited Speaker, EMBO Transcription Meeting, Heidelberg, Germany
2018 Invited Speaker, Chromatin Control of Viral Infection, NIH, Bethesda, MD
2018 Invited Participant, NIH Workshop on Critical Resources For Hepatitis B Research, Bethesda, MD
2018 Invited Speaker, Cell Mapping Symposium, Scripps, San Diego, CA
2019 Invited Speaker, Max Planck Society-AHRI Workshop on HIV Reservoirs and Evolution, St. Lucia, South Africa
2019 Invited Speaker and Chair, FASEB Science Research Conference, Reversible Acetylation on Health and Disease (HDACs), Lisboa, Portugal
2019 Invited Speaker and Chair, FASEB Science Research Conference, NAD Metabolism, Dublin, Ireland
2019 Co-Organizer, Ninth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
2019 Invited Speaker, QBI/Pasteur Symposium on Infectious Disease, San Francisco, CA
2019 Invited Speaker, CFAR Symposium, Return on Investment, San Francisco, CA
2019 Co-organizer, Keystone Symposium on Functional Cures and the Eradication of HIV, Whistler, BC
2020 Co-organizer, Basic Track, International AIDS Society (IAS), AIDS2020, San Francisco, CA
2020 Co-organizer, Symposium on Basic HIV Biology, AIDS2020, San Francisco, CA
2020 Invited speaker, QBI/Crick Institute Symposium on Quantitative Mapping of the

2020 Invited Speaker, QBI/Pasteur Symposium on Infectious Disease, Paris, France

2020 Invited Speaker, Keystone Symposium on HIV Pathogenesis and Cure, Keystone, CO
2020 Invited Speaker, CSHL, Genome Engineering: CRISPR Frontiers, Cold Spring Harbor, NY
2020 Keynote Speaker, European Forum Alpbach (Virtual), Alpbach, Austria
2020 Invited Speaker, FISV Symposium on Sars-Cov-2 (Virtual), Rome, Italy
2020 Invited Speaker, EMBL Conference Proteomics in Cell Biology and Disease Mechanisms, Heidelberg, Germany
2020 Invited Speaker, QBI/ Institut Pasteur Symposium on Infectious Disease, Paris, France
2020 Keynote Speaker, Asilomar Chromatin Chromosomes and Epigenetics Conference, CA
2021 Keynote Speaker, SARS-CoV-2: Online Meeting on Detection Systems, Madrid, Spain
2021 Keynote speaker, Biosensors for Pandemics 2021, online
2021 Invited Speaker, Annual Abundance 360 Summit, CA
2021 Invited Speaker, MIT Biology Colloquium, Massachusetts Institute of Technology, Boston, MA
2021 Invited Speaker, NIDA AIDS Research Program Symposium on the Avant-Garde Award Program, Virtual
2021 Invited Speaker, ARVO 2021 Symposium, San Francisco
2021 Invited Speaker, Live Online GCC Biotech Seminars, Glendale, Arizona
2021 Invited Speaker, Next Generation Dx Summit on Advancing Diagnostics Together, Washington, D.C.
2021 Invited Speaker, American Chemical Society (ACS) Spring 2021 National Meeting, Virtual
2021 Invited Speaker, Feinstein Academy of Scholars Symposium, Virtual
2021 Invited Speaker, Next Breath and World Frontiers Forum; From Water to Air; Scientific Pathways towards a Clearer, Cleaner Future, Lausanne, Switzerland
2021 Invited Speaker, Janet Butel Lecture Series, Baylor University, Waco, Texas
2021 Invited Speaker, Microbiology & Immunology Virtual Seminar, Stanford University, CA
2021 Invited Speaker, AMP 2021 Annual Meeting and Expo, Philadelphia, PA
2022 Invited Speaker, COVID-19 Scientific Interest Group seminar, NIH, Bethesda, Maryland
2022 Invited Speaker, COVID-19 Genomics Research Network Meeting, Virtual
2022 Invited Speaker, The Permanente Medical Group Elected Directors, Virtual
2022 Invited Speaker, COVID19 Symposium, Columbia University, Virtual
2022 Invited Speaker, The cureROAR (Research, Outreach, Advocacy and Representation) Community Kick-Off, Virtual
2022 Invited Speaker, UCSF IWD2022 panel on Women in Science, Medicine, and Engineering, San Francisco
2022 Invited Speaker, Laboratory Medicine Research Conference, Yale University, New Haven, CT
2022 Invited Speaker, FASEB Reversible Acetylation in Health and Disease Conference, Puerto Rico
2022 Keynote Speaker, International Society of Fracture Repair annual meeting, Edinburgh, UK
2022 Invited Speaker, Chromatin Control of Viral Infection Workshop, Bethesda, MA
2022 Co-Chair, NIH Workshop on HIV and 3-D Human Tissue Models, Virtual
2022 Invited Speaker, South African workshop on SARS-CoV-2 variants and evolution, St Lucia, KwaZulu-Natal, South Africa

2022 Invited Speaker, EMBL-Proteomics in Cell Biology and Disease, Cambridge, UK
2022 Co-Organizer, BayViro Symposium, San Francisco, CA
2023 Invited Speaker, EMBO workshop on Eukaryotic RNA Turnover and Viral Biology, Brno, Czech Republic
2023 Invited Speaker, The 21st annual Awaji International Forum on Infection and Immunology, Osaka, Japan
2023 Invited Speaker, UCLA Immunology, Inflammation, Infectious Disease and Transplanation (I3T) Seminar Series
2023 Invited Speaker, Institut Pasteur-Quantitaive Biosciences Institute Mini Symposium on Emerging Infectious Diseases, San Francisco, CA
2023 Invited Speaker, Institut Pasteur, Paris, France
2023 Invited Speaker, Second International COVID-19 Workshop
2024 Organizer, Keystone Symposia, Converging Pandemics: HIV and (Re)Emerging Viruses, Hannover, Germany
2024 Invited Speaker, Research Center for Emerging Infections and Zoonoses, Hannover, Germany
2024 Invited Speaker, 25th International AIDS Conference, Hamburg, Germany
2024 Invited Speaker, Leibniz Institute of Virology, Hamburg, Germany
2025 Invited Speaker, Conference on Retroviruses and Opportunistic Infections

ADMINISTRATIVE RESPONSIBILITIES
SERVICE
University Service

1999 Member, Selection Committee, Walther-und Christiane Richtzenhain Price
2000-2002 Organizer, Heidelberg HIV Seminar Series
2000-2002 Member, Selection Committee, The IJC/Meyenburg Joint Lecture Series
2005-2009 Member of the Gladstone Gender Equity and Diversity Committee
2005-2011 Co-Chair of the Gladstone Student Outreach Committee, Co-Organizer of the scientific program for the National Student Leadership Conference (NSLC) visits at Gladstone; selection of 21 minority high school students from the San Francisco Unified School District for Gladstone/NSLC scholarships to attend the NSLC on Medicine and Health Care, Berkeley; Co-Organizer of a 8-week Gladstone High school Internship program, and several other outreach activities
2008-2018 Member, Basic Science Review Committee, Resource Allocation Program (RAP), University of California, San Francisco
2008-2020 Member, Internal Executive Committee, Liver Center, University of California, San Francisco
2008-2012 Member, Admissions Committee, Biomedical Sciences Graduate Program, University of California, San Francisco
2011 Member, Hellman Review Committee, University of California, San Francisco
2015-present Member, AIDS Research Institute, Executive Committee, University of California, San Francisco
2017-present Member, UCSF Medical Scientist Training Program (MSTP) Faculty Council, University of California, San Francisco
2018-present Member of the PBBR Postdoc Proposal Review Committee
2019-present Member of the CFAR Internal Advisory Board
2020-present Member of the COVID-19 Preparedness & Response Taskforce, Gladstone Institutes
2020 Member of the Covid-19 Research Coordination Task Force, University of California, San Francisco

2020	Member of the COVID-19 Rapid Research Response Scientific Advisory Board, Innovative Genomics Institute
2021-present	Member of the Award nomination committee, Department of Medicine, University of California, San Francisco

MENTORING

Predoctoral Students Supervised

1999-2004	Björn Schwer (M.D., University of Heidelberg, summa cum laude)
1999-2003	Alexander Dörr (Ph.D. in Biology, University of Heidelberg, magna cum laude)
1999-2003	Benedikt Fritzsching (M.D., University of Heidelberg, magna cum laude)
2000-2001	Sebastian Luksch (Masters, Freie Universität Berlin, highest grade)
2000-2004	Wilma Dormeyer (Ph.D. in Biochemistry, University of Bochum, summa cum laude)
2001-2002	Kerstin Bartscherer (Bachelor, Fachhochschule Mannheim, highest grade)
2001-2004	Philipp Kurz (M.D., University of Heidelberg)
2002-2003	Anja Speyerer (Bachelor, Fachhochschule Mannheim, highest grade)
2004-2012	Sebastian Schroeder (Ph.D. in Biology, University of Heidelberg)
2005	Thomas Conrad (Masters, University of Heidelberg, highest grade with special recognition)
1/07-4/07	Helen Hwang (UCSF), rotation student within the UCSF BMS program
4/07-7/07	Emily Gogoll (UCSF), rotation student within the UCSF BMS program
7/07-6/09	Ruth Getachew (UC Berkeley), student intern within the UCSF Summer Research Training Program/UC LEADS program
09/07-12/07	Kyriacos Koupparis (UCSF), rotation student within the UCSF BMS program
1/08-4/08	Christopher Nelson (UCSF), rotation student within the UCSF BMS program
6/08-8/08	Jessica Wu (UC Berkeley), student intern
6/08-8/08	Orlando Zepeda (UCSF), rotation student within the Medical Science Training Program (MSTP)
6/08-08/08	Lily Mak (Lowell High School, San Francisco), student intern with the Gladstone High School Summer Intern Program
7/08-9/08	Amy Heidersbach (UCSF), rotation student within the UCSF BMS program
1/09-4/09	Alexandra Greer (UCSF), rotation student within the UCSF BMS program
6/09-8/09	Joann Lau (Wallenberg High School, San Francisco), student intern with the Gladstone High School Summer Intern Program
6/09-8/09	Nick Huynh (University of St Thomas, St Paul, MN), student intern with the UCSF Summer Research Training Program (SRTP)
6/10-8/10	William Tatlonghari (Burton High School), student intern with the Gladstone High School Summer Intern Program
6/10-8/10	Lily Mak, (UC Santa Barbara), summer intern
6/10-8/10	Miranda Broz (UCSF), summer intern before starting the UCSF BMS graduate program
11/10-5/11	Ankit Modi, (UC Berkeley), honors thesis candidate
9/11-1/12	Jenny Qi, rotation student within the UCSF BMS program
9/11-1/12	Mark Jeng, rotation student within the UCSF BMS program
1/12-4/12	Ryan Conrad, rotation student within the Pharmaceutical Sciences and Pharmacogenomics (PSPG) Graduate Program at UCSF
4/12-4/13	Hendrik Sy, Medical student, Charité University Hospital, Berlin
7/12-8/12	Ibraheem (Ibs) Ali (California State University, Fresno), student intern with the UCSF Summer Research Training Program (SRTP)
7/12-8/12	William Tatlonghari (University of California, Berkeley), summer intern
8/12-12/16	Ryan Conrad, graduate student within the Pharmaceutical Sciences and Pharmacogenomics (PSPG) Graduate Program at UCSF

8/12-8/16	Mark Jeng, graduate student within the UCSF BMS program
6/13-8/13	Stacey Frumm, rotation student within the MSTP Graduate program at UCSF
6/13-8/13	Abigail Hintermeister, (Stonybrook University, NY), student intern with the Amgen Summer Research Training Program
8/13-12/13	Ibraheem (Ibs) Ali, rotations student within the BMS Graduate Program at UCSF
1/14-4/14	Adrienne Stormo, rotation student within the BMS Graduate Program at UCSF
6/14-8/14	Cristina Coronado, (Chabot Community College, Hayward, CA) student intern with the PUMAS program at Gladstone
3/14-8/18	Philip Ansumana (Ansu) Hull, graduate student at the Ruhr University in Bochum, Germany
6/14-12/19	Ibs Ali, graduate student with the BMS Graduate Program at UCSF
4/15-6/15	Darya Cheng, rotation student with the PSPG Graduate Program at UCSF
6/15-7/15	Lauren Askew, (University of North Carolina-Chapel Hill, NC) student intern with the UCSF Summer Research Training Program (SRTP)
6/15-7/15	Amy Wong, (City College of San Francisco transferring to UC Davis) student intern with the PUMAS program at Gladstone
9/15-1/16	Daniel Bunis, rotation student within the BMS Graduate program at UCSF
6/16-7/16	Parinaz Fouzouni, rotation student within the MSTP/BMS Graduate program at UCSF
6/16-9/16	Kristoffer Leon, rotation student within the MSTP/BMS Graduate program at UCSF
9/16-12/20	Parinaz Fouzouni, graduate student within the MSTP/BMS Graduate program at UCSF
10/16-10/21	Mir Mubashir Khalid, visiting graduate student, Erasmus University, Rotterdam, The Netherlands.
1/17-3/17	Camille Simoneau, rotation student within the BMS Graduate program at UCSF
1/17-3/17	Muryam Gourdet, rotation student within the Tetrad Graduate program at UCSF
3/17-6/17	Henri Purnell, laboratory internship, Technical University Munich, Germany
6/17-7/17	Phillip Liu, summer intern with UCSF SRTP, California Institute of Technology
6/17-7/17	Musette Caldera, summer intern with the UCSF PUMAS program, UC Santa Cruz
6/17-7/17	Irek Habrylo, rotation student within the MSTP/BMS Graduate program at UCSF
7/17-6/21	Camille Simoneau, graduate student within the BMS Graduate program at UCSF
7/17-12/20	Kristoffer Leon, graduate student within the MSTP/BMS Graduate program at UCSF
7/17-8/17	Sara Vazquez, rotation student within the MSTP/TETRAD Graduate program at UCSF
12/17-3/18	Victor Lam, rotation students within the Tetrad Graduate program at UCSF
2/18-5/18	Joao Paulo Moreira, student intern, City College of San Francisco
3/18-6/18	Donovan Trinidad, rotation student within the BMS Graduate program at UCSF
3/18-6/18	Pervinder Choksi, rotation student within the BMS Graduate program at UCSF
3/18-6/18	Irene Chen, rotation student within the BMS Graduate program at UCSF
6/18-present	Irene Chen, graduate student within the BMS Graduate program at UCSF
6/18-12/21	Sarah McMahon, graduate student within the BMS Graduate program at UCSF
6/18-8/18	Juan Torres, summer intern with UCSF SRTP, University of California Los Angeles, CA
6/18-8/18	Khanh Nguyen, summer intern with the PUMAS program, San Jose City College, CA
7/18-8/18	Claire Sie, laboratory internship, University of British Columbia, Canada
7/18-12/18	Karsten Krey, internship in Molecular Virology, Ludwig Maximilian University, Munich, Germany

2018	Cecilia Alejandra Vazquez, Fulbright Visiting Scholar from Ciudad Universitaria, Buenos Aires, Argentina
6/19-8/19	Khanh Nguyen, summer intern with the PUMAS program, San Jose City College, CA
6/19-8/19	Yuting Li, summer intern with the PUMAS program, College of Alameda, CA
6/19-8/19	Claire Sie, laboratory internship, University of British Columbia, Canada
6/19-8/19	Raina Sacksteder, summer internship with the UCSF-SRTP, Reed College
12/19-3/20	Zakithi Mkhize, Visiting Student, University of KwaZulu-Natal, Durban, South Africa
6/20-7/20	Zach Howard, Rotation Student the BMS Graduate program at UCSF
6/21-8/21	Alexis Villani, Rotation Student the Tetrad Graduate program at UCSF
6/21-7/21	Christine Boutros, rotation student within the MSTP/BMS Graduate program at UCSF
1/22-3/22	Sham Rampersaud, rotation student withing PSPG program at UCSF
9/22-12/22	Keith Walcott, rotation student within the Tetrad Graduate program at UCSF
1/23-5/23	Gabriella Kimmerly, rotation student within the Tetrad Graduate program at UCSF
5/23-8/23	Anna Kurianowicz, Graduate Student Intern
6/23-8/23	Patrik Geleziunas, summer intern, University of Toronto
6/23-8/23	Katelyn Luo, summer intern with the PUMAS program, City College of San Francisco
2/24-6/24	Valentina Pedrero, intern, City College of San Francisco
2/24-11/24	Cecilia Vagi-Szmola, Graduate student intern, University of Bologna
5/24-8/24	Patrik Geleziunas, summer intern, University of Toronto
6/24-8/24	Katelyn Luo, summer intern with the PUMAS program, City College of San Francisco
6/24-	Christian Davalos Gutierrez, summer intern with SRTP Program
6/24-8/24	Dalul Mekonen, summer intern with the PUMAS program

Postdoctoral Fellows Supervised

2000-2003	Claudia Hetzer-Egger, Ph.D.
2003-2010	Sara Pagans Lista, Ph.D.
2004-2011	Hye-Sook Kwon Ph.D.
2005-2011	Sungyoo Cho, Ph.D.
2006-2011	Eva Herker, Ph.D.
2008-2010	Naoki Sakane, Ph.D., Visiting Scientist, JT Pharma
2009-4/15	Gregory Camus, Ph.D.
2010-11/13	Dorothee Vogt, Ph.D., UCSF
2010-01/14	Holly Ramage, Ph.D.
2011-present	Daniela Boehm, Ph.D.
6/11-12/11	Martina Schweiger, Visiting Scientist, Karl-Franzens-University, Graz, Austria
2011-11/13	Mingjian Fei, Ph.D.
2012-12/14	Andrew Kondratowicz, Ph.D.
2012-6/15	Pao-Chen Li, Ph.D.
2012-8/15	Renuka Kumar, Ph.D.
2014-2018	Olivia Sims, Ph.D.
2/14-11/14	Alexandra Cambier, M.D., Visiting Scientist, Paris, France
2015-2020	Krystal Fontaine, Ph.D.
3/15-6/15	Anne Langkilde, PhD, Visiting Scientist, Clinical Research Center, Hvidovre Hospital, Copenhagen, Denmark
2015-2020	Nathan Meyers, Ph.D.

2015-2016 Thomas Huneck Haupt, MD, cand PhD, Visiting Scientist, Clinical Research Center, Hvidovre Hospital, Copenhagen, Denmark.
2016-2019 Sakshi Tomar, Ph.D.
2017-2018 Ryan Conrad, Ph.D.
2019-2019 Ibraheem Ali, Ph.D.
2017-2021 Albert Vallejo Gracia, Ph.D.
2017-2019 Kathrin Roesch, Ph.D.
2021-2022 Frank Soveg, Ph.D.
2021-2022 Camille Simoneau, Ph.D.
2019-2022 Danielle Lyons, Ph.D.
2019-2022 Gili Aviv, Ph.D.
2017-present Jennifer Hayashi, Ph.D.
2020-2023 Taha Taha, Ph.D.
2020-present Bharath Sreekumar, Ph.D.
2021-2024 Mir Khalid, Ph.D.
2022-present Francisco Zapatero Belichon, Ph.D.
2022-2023 Rachel Padget, Ph.D.
2023-2024 Ludivine Grzelak, Ph.D.
2023-2023 Irene Chen, Ph.D.
2023-present Julia Kazmierski, Ph.D.
2024-present Limeng Sun

Faculty advisor/mentor
2015-present George B. Kyei, MB ChB PhD, Assistant Professor of Medicine, Washington University School of Medicine, St Louis, MO; Senior Research Fellow, Noguchi Memorial institute for Medical Research, University of Ghana, Legon, Accra, Ghana
2018-present Paradise Madlala, Ph.D., Assistant Professor, Doris Duke Medical Research Institute, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban, South Africa
2019-present Clara Wekesa, M.D., Project Leader/Scientist, MRC/UVRI Uganda Research Unit on AIDS and GloCal Global Health Fellow, Makerere University, Kampala, Uganda

CURRENT RESEARCH SUPPORT
2023 The J. David Gladstone Institutes Institutional Support.
2019-2029 NIH/NIAID, RO1, Role of Factor Acetylation in the Regulation of HIV Transcription. MERIT Award (PI)
2014-2024 NIH/NHLBI, R25, Promoting Underrepresented Minority Advancement in the Sciences (PUMAS) (PI)
2018-2025 NIH/NIAID, R61/R33, Harnessing the RNA-Binding Properties of Cas13a for HIV-1 Self-Testing (PI)
2019-2024 NIH/NIDA, R61/R33, Single-Cell Transcriptomics of Non-Activated Latently Infected T cells Isolated from HIV+ Drug Users (PI)
2019-2024 NIH/NIDDK, RO1 Modeling intestinal dysfunction in HIV infection with organoid technology (PI)
2021-2026 NIH/NIAID, UM1 HOPE - HIV Obstruction by Programmed Epigenetics (PI)
2022-2027 NIH/NIAID, QCRG Pandemic Response Program, AViDD award (Co-PI)
2022 –2027 Chan Zuckerberg Biohub Support.
2022- 2023 Biomedical Advanced Research and Development Authority (BARDA), Multiplexing CRISPR-Cas13a for an at-home viral diagnostic

2022-2025 Gordon and Betty Moore Foundation, Center for Viral Evolution and AI
2022-2024 Schmidt Futures program, Center for Viral Evolution and AI
2023-2028 NIH/NIDA, RO1, Sorting and Sequencing Latent Reservoirs in HIV+ Opioid Users (PI)

PATENTS

U.S. Patent Number 7,482,016 for "*Immunogenic Compositions Comprising HIV-1 Acetylated Polypeptides* ", issued January 27, 2009

U.S. Patent Number 7,485,416 for "*Screening Methods for the Identification of Agents that Inhibit SIRT1 Tat Deacetylase Activity* ", issued Feb 3, 2009

U.S. Patent Number 8,034,350 for "*Methylated Tat Polypeptides and Methods of Use* ", issued October 11, 2011

U.S. Patent Number 8,580,492 for "*Methylated Tat Polypeptides and Methods of Use* ", issued 11/13/2013

U.S. Patent Number 8,748,464 for "*Use of SIRT1 Activators or Inhibitors to Modulate an Immune Response*", issued June 1, 2014

U.S. Patent Application Publication Number 20140030295 for "*Use of SIRT1 Activators or Inhibitors to Modulate an Immune Response*", filed Dec 17, 2012

International Patent Application Publication Number WO/2016/007540 for "*Compositions and Methods for Treating Dengue Virus Infection*", filed July 7, 2015, issued July 2018

International Patent Application Publication Number WO/2016/061131 for "*Compositions and Methods for Reactivating Latent Immunodeficiency Virus*", filed October 13, 2015

U.S. Patent Number 10,004,751 for "Inhibition of LRRK2 inhibits Dengue virus replication", Filed January 6, 2017, Issued June 26, 2018

U.S. Patent Number 10,351,853 for "SMYD methyltransferases and HIV latency", Filed April 14, 2017, Issued July 16, 2019

U.S. Patent Application Publication Number PCT/US19/49954 for "*HIV detection with CRISPR-Cas13a"* , filed September 6, 2019

U.S. Patent Application Publication Number PCT/US20/013920 for "*Inhibition of FoxO1 to Reactivate Latent HIV"* , filed January 16, 2020

U.S. Patent Application Publication Number 62/991,827 for "*Rapid Field-Deployable Detection of SARS-CoV-2 Virus"*, filed March 29, 2020

U.S. Patent Application Publication Number 63/069,361 for "*Novel screening assay for SARS-CoV-2 infection of vulnerable human cells"*, filed August 24, 2020

PUBLICATIONS

1. Ott M, Demisch L, Engelhardt W, Fischer PA. Interleukin-2, soluble interleukin-2-receptor, neopterin, L-tryptophan and beta 2-microglobulin levels in CSF and serum of patients with relapsing-remitting or chronic-progressive multiple sclerosis. ***J Neurol.*** 1993 Dec;241(2):108-14. doi: 10.1007/BF00869773. PMID: 8138825.
2. Van Lint C, Emiliani S, Ott M, Verdin E. Transcriptional activation and chromatin remodeling of the HIV-1 promoter in response to histone acetylation. ***EMBO J***. 1996 Mar 1;15(5):1112-20. PMID: 8605881; PMCID: PMC450009.
3. Emiliani S, Van Lint C, Fischle W, Paras P Jr, Ott M, Brady J, Verdin E. A point mutation in the HIV-1 Tat responsive element is associated with postintegration latency. ***Proc Natl Acad Sci U S A.*** 1996 Jun 25;93(13):6377-81. doi: 10.1073/pnas.93.13.6377. PMID: 8692823; PMCID: PMC39030.
4. McCloskey TW, Ott M, Tribble E, Khan SA, Teichberg S, Paul MO, Pahwa S, Verdin E, Chirmule N. Dual role of HIV Tat in regulation of apoptosis in T cells. ***J Immunol.*** 1997 Jan 15;158(2):1014-9. PMID: 8993024.
5. Ott M, Emiliani S, Van Lint C, Herbein G, Lovett J, Chirmule N, McCloskey T, Pahwa S, Verdin E. Immune hyperactivation of HIV-1-infected T cells mediated by Tat and the CD28 pathway. ***Science.*** 1997 Mar 7;275(5305):1481-5. doi: 10.1126/science.275.5305.1481. PMID: 9045614.
6. Emiliani S, Fischle W, Ott M, Van Lint C, Amella CA, Verdin E. Mutations in the tat gene are responsible for human immunodeficiency virus type 1 postintegration latency in the U1 cell line. ***J Virol.*** 1998 Feb;72(2):1666-70. doi: 10.1128/JVI.72.2.1666-1670.1998. PMID: 9445075; PMCID: PMC124653.
7. Ott M, Seidl C, Westhoff U, Stecker K, Seifried E, Fischer PA, Grosse-Wilde H. Soluble HLA class I and class II antigens in patients with multiple sclerosis. ***Tissue Antigens.*** 1998 Mar;51(3):301-4. doi: 10.1111/j.1399-0039.1998.tb03106.x. PMID: 9550332.
8. Ott M, Lovett JL, Mueller L, Verdin E. Superinduction of IL-8 in T cells by HIV-1 Tat protein is mediated through NF-kappaB factors. ***J Immunol.*** 1998 Mar 15;160(6):2872-80. PMID: 9510190.
9. Ott M, Schnölzer M, Garnica J, Fischle W, Emiliani S, Rackwitz HR, Verdin E. Acetylation of the HIV-1 Tat protein by p300 is important for its transcriptional activity. ***Curr Biol.*** 1999 Dec 16-30;9(24):1489-92. doi: 10.1016/s0960-9822(00)80120-7. PMID: 10607594.
10. Köller H, Schaal H, Freund M, Garrido SR, von Giesen HJ, Ott M, Rosenbaum C, Arendt G. HIV-1 protein Tat reduces the glutamate-induced intracellular Ca2+ increase in cultured cortical astrocytes. ***Eur J Neurosci.*** 2001 Dec;14(11):1793-9. doi: 10.1046/j.0953-816x.2001.01808.x. PMID: 11860474.
11. Mujtaba S, He Y, Zeng L, Farooq A, Carlson JE, Ott M, Verdin E, Zhou MM. Structural basis of lysine-acetylated HIV-1 Tat recognition by PCAF bromodomain. ***Mol Cell.*** 2002 Mar;9(3):575-86. doi: 10.1016/s1097-2765(02)00483-5. PMID: 11931765.
12. Dorr A, Kiermer V, Pedal A, Rackwitz HR, Henklein P, Schubert U, Zhou MM, Verdin E, Ott M. Transcriptional synergy between Tat and PCAF is dependent on the binding of acetylated Tat to the PCAF bromodomain. ***EMBO J.*** 2002 Jun 3;21(11):2715-23. doi: 10.1093/emboj/21.11.2715. PMID: 12032084; PMCID: PMC125383.
13. Schwer B, North BJ, Frye RA, Ott M, Verdin E. The human silent information regulator (Sir)2 homologue hSIRT3 is a mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase. ***J Cell Biol.*** 2002 Aug 19;158(4):647-57. doi: 10.1083/jcb.200205057. Epub 2002 Aug 19. PMID: 12186850; PMCID: PMC2174009.

14. Fritzsching B, Schwer B, Kartenbeck J, Pedal A, Horejsi V, Ott M. Release and intercellular transfer of cell surface CD81 via microparticles. ***J Immunol.*** 2002 Nov 15;169(10):5531-7. doi: 10.4049/jimmunol.169.10.5531. PMID: 12421929.
15. Kaehlcke K, Dorr A, Hetzer-Egger C, Kiermer V, Henklein P, Schnoelzer M, Loret E, Cole PA, Verdin E, Ott M. Acetylation of Tat defines a cyclinT1-independent step in HIV transactivation. ***Mol Cell.*** 2003 Jul;12(1):167-76. doi: 10.1016/s1097-2765(03)00245-4. PMID: 12887902.
16. Dormeyer W, Dorr A, Ott M, Schnölzer M. Acetylation of the HIV-1 Tat protein: an in vitro study. ***Anal Bioanal Chem.*** 2003 Aug;376(7):994-1005. doi: 10.1007/s00216-003-2058-z. Epub 2003 Jul 9. PMID: 12904943.
17. Ott M, Dorr A, Hetzer-Egger C, Kaehlcke K, Schnolzer M, Henklein P, Cole P, Zhou MM, Verdin E. Tat acetylation: a regulatory switch between early and late phases in HIV transcription elongation. ***Novartis Found Symp.*** 2004;259:182-93; discussion 193-6, 223-5. PMID: 15171254.
18. Witte V, Laffert B, Rosorius O, Lischka P, Blume K, Galler G, Stilper A, Willbold D, D'Aloja P, Sixt M, Kolanus J, Ott M, Kolanus W, Schuler G, Baur AS. HIV-1 Nef mimics an integrin receptor signal that recruits the polycomb group protein Eed to the plasma membrane. ***Mol Cell.*** 2004 Jan 30;13(2):179-90. doi: 10.1016/s1097-2765(04)00004-8. PMID: 14759364.
19. Kirk GD, de Sanjose S, Ott M. Impact of race on the association between diabetes and HCV. ***Am J Gastroenterol.*** 2004 Mar;99(3):564; author reply 565. doi: 10.1111/j.1572-0241.2004.04068.x. PMID: 15056103.
20. Schwer B, Ren S, Pietschmann T, Kartenbeck J, Kaehlcke K, Bartenschlager R, Yen TS, Ott M. Targeting of hepatitis C virus core protein to mitochondria through a novel C-terminal localization motif. ***J Virol.*** 2004 Aug;78(15):7958-68. doi: 10.1128/JVI.78.15.7958-7968.2004. PMID: 15254168; PMCID: PMC446112.
21. Pagans S, Pedal A, North BJ, Kaehlcke K, Marshall BL, Dorr A, Hetzer-Egger C, Henklein P, Frye R, McBurney MW, Hruby H, Jung M, Verdin E, Ott M. SIRT1 regulates HIV transcription via Tat deacetylation. ***PLoS Biol.*** 2005 Feb;3(2):e41. doi: 10.1371/journal.pbio.0030041. Epub 2005 Feb 8. PMID: 15719057; PMCID: PMC546329.
22. Dormeyer W, Ott M, Schnölzer M. Analysis of p300 acetyltransferase substrate specificity by MALDI TOF mass spectrometry. ***Methods.*** 2005 Aug;36(4):376-82. doi: 10.1016/j.ymeth.2005.03.006. PMID: 16085422.
23. Dormeyer W, Ott M, Schnölzer M. Probing lysine acetylation in proteins: strategies, limitations, and pitfalls of in vitro acetyltransferase assays. ***Mol Cell Proteomics.*** 2005 Sep;4(9):1226-39. doi: 10.1074/mcp.M500047-MCP200. Epub 2005 Jun 2. PMID: 15933374.
24. Hetzer C, Dormeyer W, Schnölzer M, Ott M. Decoding Tat: the biology of HIV Tat posttranslational modifications. ***Microbes Infect.*** 2005 Oct;7(13):1364-9. doi: 10.1016/j.micinf.2005.06.003. Epub 2005 Jun 24. PMID: 16046164.
25. Mahmoudi T, Parra M, Vries RG, Kauder SE, Verrijzer CP, Ott M, Verdin E. The SWI/SNF chromatin-remodeling complex is a cofactor for Tat transactivation of the HIV promoter. ***J Biol Chem.*** 2006 Jul 21;281(29):19960-8. doi: 10.1074/jbc.M603336200. Epub 2006 May 10. Erratum in: J Biol Chem. 2006 Sep 8;281(36):26768. PMID: 16687403.
26. Nieters A, Kallinowski B, Brennan P, Ott M, Maynadié M, Benavente Y, Foretova L, Cocco PL, Staines A, Vornanen M, Whitby D, Boffetta P, Becker N, De Sanjosé S. Hepatitis C and risk of lymphoma: results of the European multicenter case-control study EPILYMPH. ***Gastroenterology.*** 2006 Dec;131(6):1879-86. doi: 10.1053/j.gastro.2006.09.019. Epub 2006 Sep 20. PMID: 17087949.

27. Hetzer C, Bisgrove D, Cohen MS, Pedal A, Kaehlcke K, Speyerer A, Bartscherer K, Taunton J, Ott M. Recruitment and activation of RSK2 by HIV-1 Tat. ***PLoS One.*** 2007 Jan 17;2(1):e151. doi: 10.1371/journal.pone.0000151. PMID: 17225856; PMCID: PMC1764712.
28. Kwon HS, Brent MM, Getachew R, Jayakumar P, Chen LF, Schnolzer M, McBurney MW, Marmorstein R, Greene WC, Ott M. Human immunodeficiency virus type 1 Tat protein inhibits the SIRT1 deacetylase and induces T cell hyperactivation. ***Cell Host Microbe.*** 2008 Mar 13;3(3):158-67. doi: 10.1016/j.chom.2008.02.002. PMID: 18329615; PMCID: PMC2680745.
29. Kwon HS, Ott M. The ups and downs of SIRT1. ***Trends Biochem Sci.*** 2008 Nov;33(11):517-25. doi: 10.1016/j.tibs.2008.08.001. Epub 2008 Sep 18. PMID: 18805010.
30. Nakamura K, Nemani VM, Wallender EK, Kaehlcke K, Ott M, Edwards RH. Optical reporters for the conformation of alpha-synuclein reveal a specific interaction with mitochondria. ***J Neurosci.*** 2008 Nov 19;28(47):12305-17. doi: 10.1523/JNEUROSCI.3088-08.2008. PMID: 19020024; PMCID: PMC6671709.
31. Cho S, Schroeder S, Kaehlcke K, Kwon HS, Pedal A, Herker E, Schnoelzer M, Ott M. Acetylation of cyclin T1 regulates the equilibrium between active and inactive P-TEFb in cells. ***EMBO J.*** 2009 May 20;28(10):1407-17. doi: 10.1038/emboj.2009.99. Epub 2009 Apr 23. PMID: 19387490; PMCID: PMC2688543.
32. Pagans S, Kauder SE, Kaehlcke K, Sakane N, Schroeder S, Dormeyer W, Trievel RC, Verdin E, Schnolzer M, Ott M. The Cellular lysine methyltransferase Set7/9-KMT7 binds HIV-1 TAR RNA, monomethylates the viral transactivator Tat, and enhances HIV transcription. ***Cell Host Microbe.*** 2010 Mar 18;7(3):234-44. doi: 10.1016/j.chom.2010.02.005. PMID: 20227666; PMCID: PMC2844784.
33. Cho S, Schroeder S, Ott M. CYCLINg through transcription: posttranslational modifications of P-TEFb regulate transcription elongation. ***Cell Cycle.*** 2010 May;9(9):1697-705. doi: 10.4161/cc.9.9.11346. Epub 2010 May 29. PMID: 20436276; PMCID: PMC2956491.
34. Ott M, Verdin E. HAT trick: p300, small molecule, inhibitor. ***Chem Biol***. 2010 May 28;17(5):417-8. doi: 10.1016/j.chembiol.2010.05.002. PMID: 20534339.
35. Min SW, Cho SH, Zhou Y, Schroeder S, Haroutunian V, Seeley WW, Huang EJ, Shen Y, Masliah E, Mukherjee C, Meyers D, Cole PA, Ott M, Gan L. Acetylation of tau inhibits its degradation and contributes to tauopathy. ***Neuron.*** 2010 Sep 23;67(6):953-66. doi: 10.1016/j.neuron.2010.08.044. Erratum in: Neuron***.*** 2010 Nov 18;68(4):801. PMID: 20869593; PMCID: PMC3035103.
36. Herker E, Harris C, Hernandez C, Carpentier A, Kaehlcke K, Rosenberg AR, Farese RV Jr, Ott M. Efficient hepatitis C virus particle formation requires diacylglycerol acyltransferase-1***. Nat Med.*** 2010 Nov;16(11):1295-8. doi: 10.1038/nm.2238. Epub 2010 Oct 10. PMID: 20935628; PMCID: PMC3431199.
37. Pagans S, Sakane N, Schnölzer M, Ott M. Characterization of HIV Tat modifications using novel methyl-lysine-specific antibodies. ***Methods.*** 2011 Jan;53(1):91-6. doi: 10.1016/j.ymeth.2010.07.001. Epub 2010 Jul 6. PMID: 20615470; PMCID: PMC3478124.
38. Ott M. HIV never ceases to surprise: Innovative methods in the quest for a cure. ***Methods***. 2011 Jan;53(1):1-2. doi: 10.1016/j.ymeth.2010.12.038. PMID: 21251605.
39. Herker E, Ott M. Unique ties between hepatitis C virus replication and intracellular lipids. ***Trends Endocrinol Metab.*** 2011 Jun;22(6):241-8. doi: 10.1016/j.tem.2011.03.004. Epub 2011 Apr 15. PMID: 21497514; PMCID: PMC3118981.
40. Sakane N, Kwon HS, Pagans S, Kaehlcke K, Mizusawa Y, Kamada M, Lassen KG, Chan J, Greene WC, Schnoelzer M, Ott M. Activation of HIV transcription by the viral

Tat protein requires a demethylation step mediated by lysine-specific demethylase 1 (LSD1/KDM1)***. PLoS Pathog.*** 2011 Aug;7(8):e1002184. doi: 10.1371/journal.ppat.1002184. Epub 2011 Aug 18. PMID: 21876670; PMCID: PMC3158049.

41. Ott M, Geyer M, Zhou Q. The control of HIV transcription: keeping RNA polymerase II on track. ***Cell Host Microbe.*** 2011 Nov 17;10(5):426-35. doi: 10.1016/j.chom.2011.11.002. PMID: 22100159; PMCID: PMC3478145.
42. Harris C, Herker E, Farese RV Jr, Ott M. Hepatitis C virus core protein decreases lipid droplet turnover: a mechanism for core-induced steatosis. ***J Biol Chem.*** 2011 Dec 9;286(49):42615-42625. doi: 10.1074/jbc.M111.285148. Epub 2011 Oct 7. PMID: 21984835; PMCID: PMC3234948.
43. Schröder S, Cho S, Zeng L, Zhang Q, Kaehlcke K, Mak L, Lau J, Bisgrove D, Schnölzer M, Verdin E, Zhou MM, Ott M. Two-pronged binding with bromodomain-containing protein 4 liberates positive transcription elongation factor b from inactive ribonucleoprotein complexes. ***J Biol Chem.*** 2012 Jan 6;287(2):1090-9. doi: 10.1074/jbc.M111.282855. Epub 2011 Nov 14. PMID: 22084242; PMCID: PMC3256921.
44. Herker E, Ott M. Emerging role of lipid droplets in host/pathogen interactions. ***J Biol Chem.*** 2012 Jan 20;287(4):2280-7. doi: 10.1074/jbc.R111.300202. Epub 2011 Nov 16. PMID: 22090026; PMCID: PMC3268388.
45. Kwon HS, Lim HW, Wu J, Schnölzer M, Verdin E, Ott M. Three novel acetylation sites in the Foxp3 transcription factor regulate the suppressive activity of regulatory T cells. ***J Immunol.*** 2012 Mar 15;188(6):2712-21. doi: 10.4049/jimmunol.1100903. Epub 2012 Feb 6. PMID: 22312127; PMCID: PMC3478122.
46. Camus G, Vogt DA, Kondratowicz AS, Ott M. Lipid droplets and viral infections. ***Methods Cell Biol.*** 2013;116:167-90. doi: 10.1016/B978-0-12-408051-5.00009-7. PMID: 24099293.
47. Webster B, Wissing S, Herker E, Ott M, Greene WC. Rapid intracellular competition between hepatitis C viral genomes as a result of mitosis. ***J Virol.*** 2013 Jan;87(1):581-96. doi: 10.1128/JVI.01047-12. Epub 2012 Oct 24. PMID: 23097449; PMCID: PMC3536371.
48. Knipe DM, Lieberman PM, Jung JU, McBride AA, Morris KV, Ott M, Margolis D, Nieto A, Nevels M, Parks RJ, Kristie TM. Snapshots: chromatin control of viral infection. ***Virology.*** 2013 Jan 5;435(1):141-56. doi: 10.1016/j.virol.2012.09.023. PMID: 23217624; PMCID: PMC3531885.
49. Boehm D, Calvanese V, Dar RD, Xing S, Schroeder S, Martins L, Aull K, Li PC, Planelles V, Bradner JE, Zhou MM, Siliciano RF, Weinberger L, Verdin E, Ott M. BET bromodomain-targeting compounds reactivate HIV from latency via a Tat-independent mechanism. ***Cell Cycle.*** 2013 Feb 1;12(3):452-62. doi: 10.4161/cc.23309. Epub 2012 Feb 1. PMID: 23255218; PMCID: PMC3587446.
50. Camus G, Herker E, Modi AA, Haas JT, Ramage HR, Farese RV Jr, Ott M. Diacylglycerol acyltransferase-1 localizes hepatitis C virus NS5A protein to lipid droplets and enhances NS5A interaction with the viral capsid core. ***J Biol Chem.*** 2013 Apr 5;288(14):9915-9923. doi: 10.1074/jbc.M112.434910. Epub 2013 Feb 18. PMID: 23420847; PMCID: PMC3617291.
51. Vogt DA, Camus G, Herker E, Webster BR, Tsou CL, Greene WC, Yen TS, Ott M. Lipid droplet-binding protein TIP47 regulates hepatitis C Virus RNA replication through interaction with the viral NS5A protein. ***PLoS Pathog.*** 2013;9(4):e1003302. doi: 10.1371/journal.ppat.1003302. Epub 2013 Apr 11. PMID: 23593007; PMCID: PMC3623766.
52. Camus G, Ott M. How the antiviral immune response boosts liver fat. ***Nat Med.*** 2013 Jun;19(6):671-2. doi: 10.1038/nm.3226. PMID: 23744144.

53. Ott M, Verdin E. Three rules for HIV latency: location, location, and location. ***Cell Host Microbe***. 2013 Jun 12;13(6):625-6. doi: 10.1016/j.chom.2013.05.016. PMID: 23768485; PMCID: PMC3998752.
54. Boehm D, Conrad RJ, Ott M. Bromodomain proteins in HIV infection. ***Viruses.*** 2013 Jun 21;5(6):1571-86. doi: 10.3390/v5061571. PMID: 23793227; PMCID: PMC3717722.
55. Verdin E, Ott M. Acetylphosphate: a novel link between lysine acetylation and intermediary metabolism in bacteria. ***Mol Cell.*** 2013 Jul 25;51(2):132-4. doi: 10.1016/j.molcel.2013.07.006. PMID: 23870140.
56. Schröder S, Herker E, Itzen F, He D, Thomas S, Gilchrist DA, Kaehlcke K, Cho S, Pollard KS, Capra JA, Schnölzer M, Cole PA, Geyer M, Bruneau BG, Adelman K, Ott M. Acetylation of RNA polymerase II regulates growth-factor-induced gene transcription in mammalian cells. ***Mol Cell.*** 2013 Nov 7;52(3):314-24. doi: 10.1016/j.molcel.2013.10.009. PMID: 24207025; PMCID: PMC3936344.
57. Webster B, Ott M, Greene WC. Evasion of superinfection exclusion and elimination of primary viral RNA by an adapted strain of hepatitis C virus. ***J Virol.*** 2013 Dec;87(24):13354-69. doi: 10.1128/JVI.02465-13. Epub 2013 Oct 2. PMID: 24089557; PMCID: PMC3838274.
58. Camus G, Schweiger M, Herker E, Harris C, Kondratowicz AS, Tsou CL, Farese RV Jr, Herath K, Previs SF, Roddy TP, Pinto S, Zechner R, Ott M. The hepatitis C virus core protein inhibits adipose triglyceride lipase (ATGL)-mediated lipid mobilization and enhances the ATGL interaction with comparative gene identification 58 (CGI-58) and lipid droplets. ***J Biol Chem.*** 2014 Dec 26;289(52):35770-80. doi: 10.1074/jbc.M114.587816. Epub 2014 Nov 7. PMID: 25381252; PMCID: PMC4276846.
59. Ramage HR, Kumar GR, Verschueren E, Johnson JR, Von Dollen J, Johnson T, Newton B, Shah P, Horner J, Krogan NJ, Ott M. A combined proteomics/genomics approach links hepatitis C virus infection with nonsense-mediated mRNA decay. ***Mol Cell***. 2015 Jan 22;57(2):329-340. doi: 10.1016/j.molcel.2014.12.028. PMID: 25616068; PMCID: PMC4305532.
60. Simonti CN, Pollard KS, Schröder S, He D, Bruneau BG, Ott M, Capra JA. Evolution of lysine acetylation in the RNA polymerase II C-terminal domain. ***BMC Evol Biol.*** 2015 Mar 10;15:35. doi: 10.1186/s12862-015-0327-z. PMID: 25887984; PMCID: PMC4362643.
61. Verdin E, Ott M. 50 years of protein acetylation: from gene regulation to epigenetics, metabolism and beyond. ***Nat Rev Mol Cell Biol.*** 2015 Apr;16(4):258-64. doi: 10.1038/nrm3931. Epub 2014 Dec 30. PMID: 25549891.
62. Vogt DA, Ott M. Membrane Flotation Assay. ***Bio Protoc.*** 2015 Apr 5;5(7):e1435. doi: 10.21769/bioprotoc.1435. PMID: 27540564; PMCID: PMC4987092.
63. Lim HW, Kang SG, Ryu JK, Schilling B, Fei M, Lee IS, Kehasse A, Shirakawa K, Yokoyama M, Schnölzer M, Kasler HG, Kwon HS, Gibson BW, Sato H, Akassoglou K, Xiao C, Littman DR, Ott M, Verdin E. SIRT1 deacetylates RORγt and enhances Th17 cell generation. ***J Exp Med.*** 2015 May 4;212(5):607-17. doi: 10.1084/jem.20132378. Epub 2015 Apr 27. Erratum in: ***J Exp Med.*** 2015 Jun 1;212(6):973. PMID: 25918343; PMCID: PMC4419343.
64. Jeng MY, Ali I, Ott M. Manipulation of the host protein acetylation network by human immunodeficiency virus type 1. ***Crit Rev Biochem Mol Biol.*** 2015;50(4):314-25. doi: 10.3109/10409238.2015.1061973. Epub 2015 Sep 2. PMID: 26329395; PMCID: PMC4816045.
65. Rosenkranz E, Metz CH, Maywald M, Hilgers RD, Weßels I, Senff T, Haase H, Jäger M, Ott M, Aspinall R, Plümäkers B, Rink L. Zinc supplementation induces regulatory T cells by inhibition of Sirt-1 deacetylase in mixed lymphocyte cultures. ***Mol Nutr***

Food Res. 2016 Mar;60(3):661-71. doi: 10.1002/mnfr.201500524. Epub 2015 Dec 28. PMID: 26614004.

66. Conrad RJ, Ott M. Therapeutics Targeting Protein Acetylation Perturb Latency of Human Viruses. ***ACS Chem Biol.*** 2016 Mar 18;11(3):669-80. doi: 10.1021/acschembio.5b00999. Epub 2016 Feb 15. PMID: 26845514; PMCID: PMC5477850.
67. Shirakawa K, Wang L, Man N, Maksimoska J, Sorum AW, Lim HW, Lee IS, Shimazu T, Newman JC, Schröder S, Ott M, Marmorstein R, Meier J, Nimer S, Verdin E. Salicylate, diflunisal and their metabolites inhibit CBP/p300 and exhibit anticancer activity. ***Elife.*** 2016 May 31;5:e11156. doi: 10.7554/eLife.11156. PMID: 27244239; PMCID: PMC4931907.
68. Ali I, Ramage H, Boehm D, Dirk LM, Sakane N, Hanada K, Pagans S, Kaehlcke K, Aull K, Weinberger L, Trievel R, Schnoelzer M, Kamada M, Houtz R, Ott M. The HIV-1 Tat Protein Is Monomethylated at Lysine 71 by the Lysine Methyltransferase KMT7. ***J Biol Chem.*** 2016 Jul 29;291(31):16240-8. doi: 10.1074/jbc.M116.735415. Epub 2016 May 27. PMID: 27235396; PMCID: PMC4965572.
69. Deeks SG, Lewin SR, Ross AL, Ananworanich J, Benkirane M, Cannon P, Chomont N, Douek D, Lifson JD, Lo YR, Kuritzkes D, Margolis D, Mellors J, Persaud D, Tucker JD, Barre-Sinoussi F; International AIDS Society Towards a Cure Working Group, Alter G, Auerbach J, Autran B, Barouch DH, Behrens G, Cavazzana M, Chen Z, Cohen ÉA, Corbelli GM, Eholié S, Eyal N, Fidler S, Garcia L, Grossman C, Henderson G, Henrich TJ, Jefferys R, Kiem HP, McCune J, Moodley K, Newman PA, Nijhuis M, Nsubuga MS, Ott M, Palmer S, Richman D, Saez-Cirion A, Sharp M, Siliciano J, Silvestri G, Singh J, Spire B, Taylor J, Tolstrup M, Valente S, van Lunzen J, Walensky R, Wilson I, Zack J. International AIDS Society global scientific strategy: towards an HIV cure 2016. ***Nat Med.*** 2016 Aug;22(8):839-50. doi: 10.1038/nm.4108. Epub 2016 Jul 11. PMID: 27400264; PMCID: PMC5322797.
70. Meyers NL, Fontaine KA, Kumar GR, Ott M. Entangled in a membranous web: ER and lipid droplet reorganization during hepatitis C virus infection. ***Curr Opin Cell Biol.*** 2016 Aug;41:117-24. doi: 10.1016/j.ceb.2016.05.003. Epub 2016 May 27. PMID: 27240021; PMCID: PMC5477849.
71. Khan S, Woodruff EM, Trapecar M, Fontaine KA, Ezaki A, Borbet TC, Ott M, Sanjabi S. Dampened antiviral immunity to intravaginal exposure to RNA viral pathogens allows enhanced viral replication. **J Exp Med.** 2016 Dec 12;213(13):2913-2929. doi: 10.1084/jem.20161289. Epub 2016 Nov 16. PMID: 27852793; PMCID: PMC5154948.
72. Besnard E, Hakre S, Kampmann M, Lim HW, Hosmane NN, Martin A, Bassik MC, Verschueren E, Battivelli E, Chan J, Svensson JP, Gramatica A, Conrad RJ, Ott M, Greene WC, Krogan NJ, Siliciano RF, Weissman JS, Verdin E. The mTOR Complex Controls HIV Latency. ***Cell Host Microbe***. 2016 Dec 14;20(6):785-797. doi: 10.1016/j.chom.2016.11.001. PMID: 27978436; PMCID: PMC5354304.
73. Ali I, Conrad RJ, Ott M. Retrovirus Integration: Some Assembly Required? ***Cell Host Microbe***. 2016 Dec 14;20(6):702-704. doi: 10.1016/j.chom.2016.11.003. PMID: 27978432.
74. Boehm D, Jeng M, Camus G, Gramatica A, Schwarzer R, Johnson JR, Hull PA, Montano M, Sakane N, Pagans S, Godin R, Deeks SG, Krogan NJ, Greene WC, Ott M. SMYD2-Mediated Histone Methylation Contributes to HIV-1 Latency. ***Cell Host Microbe***. 2017 May 10;21(5):569-579.e6. doi: 10.1016/j.chom.2017.04.011. PMID: 28494238; PMCID: PMC5490666.
75. Boehm D, Ott M. Flow Cytometric Analysis of Drug-induced HIV-1 Transcriptional Activity in A2 and A72 J-Lat Cell Lines. ***Bio Protoc.*** 2017 May 20;7(10):e2290. doi: 10.21769/BioProtoc.2290. PMID: 28835903; PMCID: PMC5564680.

76. Boehm D, Ott M. Flow Cytometric Analysis of HIV-1 Transcriptional Activity in Response to shRNA Knockdown in A2 and A72 J-Lat Cell Lines. ***Bio Protoc.*** 2017 Jun 5;7(11):e2314. doi: 10.21769/BioProtoc.2314. PMID: 29082287; PMCID: PMC5659638.
77. Conrad RJ, Fozouni P, Thomas S, Sy H, Zhang Q, Zhou MM, Ott M. The Short Isoform of BRD4 Promotes HIV-1 Latency by Engaging Repressive SWI/SNF Chromatin-Remodeling Complexes. ***Mol Cell.*** 2017 Sep 21;67(6):1001-1012.e6. doi: 10.1016/j.molcel.2017.07.025. Epub 2017 Aug 24. PMID: 28844864; PMCID: PMC5610089.
78. Boehm D, Ott M. Host Methyltransferases and Demethylases: Potential New Epigenetic Targets for HIV Cure Strategies and Beyond. ***AIDS Res Hum Retroviruses.*** 2017 Nov;33(S1):S8-S22. doi: 10.1089/aid.2017.0180. PMID: 29140109; PMCID: PMC5684665.
79. Jeng MY, Hull PA, Fei M, Kwon HS, Tsou CL, Kasler H, Ng CP, Gordon DE, Johnson J, Krogan N, Verdin E, Ott M. Metabolic reprogramming of human $CD8^+$ memory T cells through loss of SIRT1. ***J Exp Med.*** 2018 Jan 2;215(1):51-62. doi: 10.1084/jem.20161066. Epub 2017 Nov 30. PMID: 29191913; PMCID: PMC5748845.
80. Ali I, Conrad RJ, Verdin E, Ott M. Lysine Acetylation Goes Global: From Epigenetics to Metabolism and Therapeutics. ***Chem Rev.*** 2018 Feb 14;118(3):1216-1252. doi: 10.1021/acs.chemrev.7b00181. Epub 2018 Feb 6. PMID: 29405707; PMCID: PMC6609103.
81. Fontaine KA, Leon KE, Khalid MM, Tomar S, Jimenez-Morales D, Dunlap M, Kaye JA, Shah PS, Finkbeiner S, Krogan NJ, Ott M. The Cellular NMD Pathway Restricts Zika Virus Infection and Is Targeted by the Viral Capsid Protein. ***mBio.*** 2018 Nov 6;9(6):e02126-18. doi: 10.1128/mBio.02126-18. PMID: 30401782; PMCID: PMC6222128.
82. Tomar S, Ali I, Ott M. A BAF'ling Approach to Curing HIV. ***Cell Chem Biol.*** 2018 Dec 20;25(12):1441-1442. doi: 10.1016/j.chembiol.2018.12.007. PMID: 30576660; PMCID: PMC6582950.
83. Schilling B, Meyer JG, Wei L, Ott M, Verdin E. High-Resolution Mass Spectrometry to Identify and Quantify Acetylation Protein Targets. ***Methods Mol Biol.*** 2019;1983:3-16. doi: 10.1007/978-1-4939-9434-2_1. PMID: 31087289; PMCID: PMC6825508.
84. Ali I, Ruiz DG, Ni Z, Johnson JR, Zhang H, Li PC, Khalid MM, Conrad RJ, Guo X, Min J, Greenblatt J, Jacobson M, Krogan NJ, Ott M. Crosstalk between RNA Pol II C-Terminal Domain Acetylation and Phosphorylation via RPRD Proteins. ***Mol Cell.*** 2019 Jun 20;74(6):1164-1174.e4. doi: 10.1016/j.molcel.2019.04.008. Epub 2019 May 1. PMID: 31054975; PMCID: PMC6588463.
85. Khan S, Lew I, Wu F, Fritts L, Fontaine KA, Tomar S, Trapecar M, Shehata HM, Ott M, Miller CJ, Sanjabi S. Low expression of RNA sensors impacts Zika virus infection in the lower female reproductive tract. ***Nat Commun.*** 2019 Sep 25;10(1):4344. doi: 10.1038/s41467-019-12371-7. PMID: 31554802; PMCID: PMC6761111.
86. Lyons DE, McMahon S, Ott M. A combinatorial view of old and new RNA polymerase II modifications. ***Transcription.*** 2020 Apr;11(2):66-82. doi: 10.1080/21541264.2020.1762468. Epub 2020 May 13. PMID: 32401151; PMCID: PMC7549748.
87. Gordon DE, Jang GM, Bouhaddou M, Xu J, Obernier K, White KM, O'Meara MJ, Rezelj VV, Guo JZ, Swaney DL, Tummino TA, Hüttenhain R, Kaake RM, Richards AL, Tutuncuoglu B, Foussard H, Batra J, Haas K, Modak M, Kim M, Haas P, Polacco BJ, Braberg H, Fabius JM, Eckhardt M, Soucheray M, Bennett MJ, Cakir M, McGregor MJ, Li Q, Meyer B, Roesch F, Vallet T, Mac Kain A, Miorin L, Moreno E,

Naing ZZC, Zhou Y, Peng S, Shi Y, Zhang Z, Shen W, Kirby IT, Melnyk JE, Chorba JS, Lou K, Dai SA, Barrio-Hernandez I, Memon D, Hernandez-Armenta C, Lyu J, Mathy CJP, Perica T, Pilla KB, Ganesan SJ, Saltzberg DJ, Rakesh R, Liu X, Rosenthal SB, Calviello L, Venkataramanan S, Liboy-Lugo J, Lin Y, Huang XP, Liu Y, Wankowicz SA, Bohn M, Safari M, Ugur FS, Koh C, Savar NS, Tran QD, Shengjuler D, Fletcher SJ, O'Neal MC, Cai Y, Chang JCJ, Broadhurst DJ, Klippsten S, Sharp PP, Wenzell NA, Kuzuoglu-Ozturk D, Wang HY, Trenker R, Young JM, Cavero DA, Hiatt J, Roth TL, Rathore U, Subramanian A, Noack J, Hubert M, Stroud RM, Frankel AD, Rosenberg OS, Verba KA, Agard DA, Ott M, Emerman M, Jura N, von Zastrow M, Verdin E, Ashworth A, Schwartz O, d'Enfert C, Mukherjee S, Jacobson M, Malik HS, Fujimori DG, Ideker T, Craik CS, Floor SN, Fraser JS, Gross JD, Sali A, Roth BL, Ruggero D, Taunton J, Kortemme T, Beltrao P, Vignuzzi M, García-Sastre A, Shokat KM, Shoichet BK, Krogan NJ. A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. ***Nature***. 2020 Jul;583(7816):459-468. doi: 10.1038/s41586-020-2286-9. Epub 2020 Apr 30. PMID: 32353859; PMCID: PMC7431030.

88. Chen IP, Ott M. Turning up the heat on HIV-1. ***Proc Natl Acad Sci U S A.*** 2020 Jul 14;117(28):16109-16111. doi: 10.1073/pnas.2010212117. Epub 2020 Jun 30. PMID: 32606243; PMCID: PMC7368259.

89. Bouhaddou M, Memon D, Meyer B, White KM, Rezelj VV, Correa Marrero M, Polacco BJ, Melnyk JE, Ulferts S, Kaake RM, Batra J, Richards AL, Stevenson E, Gordon DE, Rojc A, Obernier K, Fabius JM, Soucheray M, Miorin L, Moreno E, Koh C, Tran QD, Hardy A, Robinot R, Vallet T, Nilsson-Payant BE, Hernandez-Armenta C, Dunham A, Weigang S, Knerr J, Modak M, Quintero D, Zhou Y, Dugourd A, Valdeolivas A, Patil T, Li Q, Hüttenhain R, Cakir M, Muralidharan M, Kim M, Jang G, Tutuncuoglu B, Hiatt J, Guo JZ, Xu J, Bouhaddou S, Mathy CJP, Gaulton A, Manners EJ, Félix E, Shi Y, Goff M, Lim JK, McBride T, O'Neal MC, Cai Y, Chang JCJ, Broadhurst DJ, Klippsten S, De Wit E, Leach AR, Kortemme T, Shoichet B, Ott M, Saez-Rodriguez J, tenOever BR, Mullins RD, Fischer ER, Kochs G, Grosse R, García-Sastre A, Vignuzzi M, Johnson JR, Shokat KM, Swaney DL, Beltrao P, Krogan NJ. The Global Phosphorylation Landscape of SARS-CoV-2 Infection. ***Cell.*** 2020 Aug 6;182(3):685-712.e19. doi: 10.1016/j.cell.2020.06.034. Epub 2020 Jun 28. PMID: 32645325; PMCID: PMC7321036.

90. Vallejo-Gracia A, Chen IP, Perrone R, Besnard E, Boehm D, Battivelli E, Tezil T, Krey K, Raymond KA, Hull PA, Walter M, Habrylo I, Cruz A, Deeks S, Pillai S, Verdin E, Ott M. FOXO1 promotes HIV latency by suppressing ER stress in T cells. ***Nat Microbiol.*** 2020 Sep;5(9):1144-1157. doi: 10.1038/s41564-020-0742-9. Epub 2020 Jun 15. PMID: 32541947; PMCID: PMC7483895.

91. Xu C, Wang L, Fozouni P, Evjen G, Chandra V, Jiang J, Lu C, Nicastri M, Bretz C, Winkler JD, Amaravadi R, Garcia BA, Adams PD, Ott M, Tong W, Johansen T, Dou Z, Berger SL. SIRT1 is downregulated by autophagy in senescence and ageing. ***Nat Cell Biol.*** 2020 Oct;22(10):1170-1179. doi: 10.1038/s41556-020-00579-5. Epub 2020 Sep 28. PMID: 32989246; PMCID: PMC7805578.

92. Covarrubias AJ, Kale A, Perrone R, Lopez-Dominguez JA, Pisco AO, Kasler HG, Schmidt MS, Heckenbach I, Kwok R, Wiley CD, Wong HS, Gibbs E, Iyer SS, Basisty N, Wu Q, Kim IJ, Silva E, Vitangcol K, Shin KO, Lee YM, Riley R, Ben-Sahra I, Ott M, Schilling B, Scheibye-Knudsen M, Ishihara K, Quake SR, Newman J, Brenner C, Campisi J, Verdin E. Senescent cells promote tissue NAD^+ decline during ageing via the activation of $CD38^+$ macrophages. ***Nat Metab.*** 2020 Nov;2(11):1265-1283. doi: 10.1038/s42255-020-00305-3. Epub 2020 Nov 16. Erratum in: Nat Metab. 2021 Jan;3(1):120-121. PMID: 33199924; PMCID: PMC7908681.

93. Miao Y, Ha A, de Lau W, Yuki K, Santos AJM, You C, Geurts MH, Puschhof J, Pleguezuelos-Manzano C, Peng WC, Senlice R, Piani C, Buikema JW, Gbenedio OM, Vallon M, Yuan J, de Haan S, Hemrika W, Rösch K, Dang LT, Baker D, Ott M, Depeille P, Wu SM, Drost J, Nusse R, Roose JP, Piehler J, Boj SF, Janda CY, Clevers H, Kuo CJ, Garcia KC. Next-Generation Surrogate Wnts Support Organoid Growth and Deconvolute Frizzled Pleiotropy In Vivo. ***Cell Stem Cell.*** 2020 Nov 5;27(5):840-851.e6. doi: 10.1016/j.stem.2020.07.020. Epub 2020 Aug 19. PMID: 32818433; PMCID: PMC7655723.

94. Simoneau CR, Ott M. Modeling Multi-organ Infection by SARS-CoV-2 Using Stem Cell Technology. ***Cell Stem Cell.*** 2020 Dec 3;27(6):859-868. doi: 10.1016/j.stem.2020.11.012. PMID: 33275899; PMCID: PMC7713543.

95. Samuel RM, Majd H, Richter MN, Ghazizadeh Z, Zekavat SM, Navickas A, Ramirez JT, Asgharian H, Simoneau CR, Bonser LR, Koh KD, Garcia-Knight M, Tassetto M, Sunshine S, Farahvashi S, Kalantari A, Liu W, Andino R, Zhao H, Natarajan P, Erle DJ, Ott M, Goodarzi H, Fattahi F. Androgen Signaling Regulates SARS-CoV-2 Receptor Levels and Is Associated with Severe COVID-19 Symptoms in Men. ***Cell Stem Cell.*** 2020 Dec 3;27(6):876-889.e12. doi: 10.1016/j.stem.2020.11.009. Epub 2020 Nov 17. PMID: 33232663; PMCID: PMC7670929.

96. Gordon DE, Hiatt J, Bouhaddou M, Rezelj VV, Ulferts S, Braberg H, Jureka AS, Obernier K, Guo JZ, Batra J, Kaake RM, Weckstein AR, Owens TW, Gupta M, Pourmal S, Titus EW, Cakir M, Soucheray M, McGregor M, Cakir Z, Jang G, O'Meara MJ, Tummino TA, Zhang Z, Foussard H, Rojc A, Zhou Y, Kuchenov D, Hüttenhain R, Xu J, Eckhardt M, Swaney DL, Fabius JM, Ummadi M, Tutuncuoglu B, Rathore U, Modak M, Haas P, Haas KM, Naing ZZC, Pulido EH, Shi Y, Barrio-Hernandez I, Memon D, Petsalaki E, Dunham A, Marrero MC, Burke D, Koh C, Vallet T, Silvas JA, Azumaya CM, Billesbølle C, Brilot AF, Campbell MG, Diallo A, Dickinson MS, Diwanji D, Herrera N, Hoppe N, Kratochvil HT, Liu Y, Merz GE, Moritz M, Nguyen HC, Nowotny C, Puchades C, Rizo AN, Schulze-Gahmen U, Smith AM, Sun M, Young ID, Zhao J, Asarnow D, Biel J, Bowen A, Braxton JR, Chen J, Chio CM, Chio US, Deshpande I, Doan L, Faust B, Flores S, Jin M, Kim K, Lam VL, Li F, Li J, Li YL, Li Y, Liu X, Lo M, Lopez KE, Melo AA, Moss FR 3rd, Nguyen P, Paulino J, Pawar KI, Peters JK, Pospiech TH Jr, Safari M, Sangwan S, Schaefer K, Thomas PV, Thwin AC, Trenker R, Tse E, Tsui TKM, Wang F, Whitis N, Yu Z, Zhang K, Zhang Y, Zhou F, Saltzberg D; QCRG Structural Biology Consortium, Hodder AJ, Shun-Shion AS, Williams DM, White KM, Rosales R, Kehrer T, Miorin L, Moreno E, Patel AH, Rihn S, Khalid MM, Vallejo-Gracia A, Fozouni P, Simoneau CR, Roth TL, Wu D, Karim MA, Ghoussaini M, Dunham I, Berardi F, Weigang S, Chazal M, Park J, Logue J, McGrath M, Weston S, Haupt R, Hastie CJ, Elliott M, Brown F, Burness KA, Reid E, Dorward M, Johnson C, Wilkinson SG, Geyer A, Giesel DM, Baillie C, Raggett S, Leech H, Toth R, Goodman N, Keough KC, Lind AL; Zoonomia Consortium, Klesh RJ, Hemphill KR, Carlson-Stevermer J, Oki J, Holden K, Maures T, Pollard KS, Sali A, Agard DA, Cheng Y, Fraser JS, Frost A, Jura N, Kortemme T, Manglik A, Southworth DR, Stroud RM, Alessi DR, Davies P, Frieman MB, Ideker T, Abate C, Jouvenet N, Kochs G, Shoichet B, Ott M, Palmarini M, Shokat KM, García-Sastre A, Rassen JA, Grosse R, Rosenberg OS, Verba KA, Basler CF, Vignuzzi M, Peden AA, Beltrao P, Krogan NJ. Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. ***Science.*** 2020 Dec 4;370(6521):eabe9403. doi: 10.1126/science.abe9403. Epub 2020 Oct 15. PMID: 33060197; PMCID: PMC7808408.

97. Leon K, Flynn R, Khalid MM, Fontaine KA, Nguyen T, Kumar GR, Simoneau CR, Tomar S, Jimenez-Morales D, Dunlap M, Kaye J, Shah PS, Finkbeiner S, Krogan NJ, Bertozzi C, Carette JE, Ott M. Zika Virus Infection Prevents Host mRNA Nuclear

Export by Disrupting UPF1 Function. ***bioRxiv***. 2020 Dec 07:12.03.410837. doi: 10.1101/2020.12.03.410837.

98. Schoof M, Faust B, Saunders RA, Sangwan S, Rezelj V, Hoppe N, Boone M, Billesbølle CB, Puchades C, Azumaya CM, Kratochvil HT, Zimanyi M, Deshpande I, Liang J, Dickinson S, Nguyen HC, Chio CM, Merz GE, Thompson MC, Diwanji D, Schaefer K, Anand AA, Dobzinski N, Zha BS, Simoneau CR, Leon K, White KM, Chio US, Gupta M, Jin M, Li F, Liu Y, Zhang K, Bulkley D, Sun M, Smith AM, Rizo AN, Moss F, Brilot AF, Pourmal S, Trenker R, Pospiech T, Gupta S, Barsi-Rhyne B, Belyy V, Barile-Hill AW, Nock S, Liu Y, Krogan NJ, Ralston CY, Swaney DL, García-Sastre A, Ott M, Vignuzzi M; QCRG Structural Biology Consortium, Walter P, Manglik A. An ultrapotent synthetic nanobody neutralizes SARS-CoV-2 by stabilizing inactive Spike. ***Science.*** 2020 Dec 18;370(6523):1473-1479. doi: 10.1126/science.abe3255. Epub 2020 Nov 5. PMID: 33154106; PMCID: PMC7857409.

99. Wang R, Simoneau CR, Kulsuptrakul J, Bouhaddou M, Travisano KA, Hayashi JM, Carlson-Stevermer J, Zengel JR, Richards CM, Fozouni P, Oki J, Rodriguez L, Joehnk B, Walcott K, Holden K, Sil A, Carette JE, Krogan NJ, Ott M, Puschnik AS. Genetic Screens Identify Host Factors for SARS-CoV-2 and Common Cold Coronaviruses. ***Cell.*** 2021 Jan 7;184(1):106-119.e14. doi: 10.1016/j.cell.2020.12.004. Epub 2020 Dec 9. PMID: 33333024; PMCID: PMC7723770.

100. Fozouni P, Son S, Díaz de León Derby M, Knott GJ, Gray CN, D'Ambrosio MV, Zhao C, Switz NA, Kumar GR, Stephens SI, Boehm D, Tsou CL, Shu J, Bhuiya A, Armstrong M, Harris AR, Chen PY, Osterloh JM, Meyer-Franke A, Joehnk B, Walcott K, Sil A, Langelier C, Pollard KS, Crawford ED, Puschnik AS, Phelps M, Kistler A, DeRisi JL, Doudna JA, Fletcher DA, Ott M. Amplification-free detection of SARS-CoV-2 with CRISPR-Cas13a and mobile phone microscopy. ***Cell.*** 2021 Jan 21;184(2):323-333.e9. doi: 10.1016/j.cell.2020.12.001. Epub 2020 Dec 4. PMID: 33306959; PMCID: PMC7834310.

101. Gramatica A, Schwarzer R, Brantley W, Varco-Merth B, Sperber HS, Hull PA, Montano M, Migueles SA, Rosenthal D, Hogan LE, Johnson JR, Packard TA, Grimmett ZW, Herzig E, Besnard E, Nekorchuk M, Hsiao F, Deeks SG, Snape M, Kiernan B, Roan NR, Lifson JD, Estes JD, Picker LJ, Verdin E, Krogan NJ, Henrich TJ, Connors M, Ott M, Pillai SK, Okoye AA, Greene WC. Evaluating a New Class of AKT/mTOR Activators for HIV Latency Reversing Activity *Ex Vivo and In Vivo*. ***J Virol.*** 2021 Feb 3;95(8):e02393-20. doi: 10.1128/JVI.02393-20. Epub ahead of print. PMID: 33536176; PMCID: PMC8103695.

102. Leon K, Ott M. An 'Arms Race' between the Nonsense-mediated mRNA Decay Pathway and Viral Infections. ***Semin Cell Dev Biol***. 2021 Mar;111:101-107. doi: 10.1016/j.semcdb.2020.05.018. Epub 2020 Jun 15. PMID: 32553580; PMCID: PMC7295464.

103. Kulsuptrakul J, Wang R, Meyers NL, Ott M, Puschnik AS. A genome-wide CRISPR screen identifies UFMylation and TRAMP-like complexes as host factors required for hepatitis A virus infection. ***Cell Rep***. 2021 Mar 16;34(11):108859. doi: 10.1016/j.celrep.2021.108859. PMID: 33730579; PMCID: PMC8893346.

104. Weinberg ZY, Hilburger CE, Kim M, Cao L, Khalid M, Elmes S, Diwanji D, Hernandez E, Lopez J, Schaefer K, Smith AM, Zhou F; QCRG Structural Biology Consortium, Renuka Kumar G, Ott M, Baker D, El-Samad H. Sentinel cells enable genetic detection of SARS-CoV-2 Spike protein. ***bioRxiv*** [Preprint]. 2021 Apr 20:2021.04.20.440678. doi: 10.1101/2021.04.20.440678. PMID: 33907743; PMCID: PMC8077567.

105. Perez-Bermejo JA, Kang S, Rockwood SJ, Simoneau CR, Joy DA, Silva AC, Ramadoss GN, Flanigan WR, Fozouni P, Li H, Chen PY, Nakamura K, Whitman JD, Hanson PJ, McManus BM, Ott M, Conklin BR, McDevitt TC. SARS-CoV-2 infection of human iPSC-derived cardiac cells reflects cytopathic features in hearts of patients with COVID-19. ***Sci Transl Med.*** 2021 Apr 21;13(590):eabf7872. doi: 10.1126/scitranslmed.abf7872. Epub 2021 Mar 15. PMID: 33723017; PMCID: PMC8128284.

106. Telwatte S, Kumar N, Vallejo-Gracia A, Kumar GR, Lu CM, Ott M, Wong JK, Yukl SA. Novel RT-ddPCR assays for simultaneous quantification of multiple noncoding and coding regions of SARS-CoV-2 RNA. ***J Virol Methods.*** 2021 Jun;292:114115. doi: 10.1016/j.jviromet.2021.114115. Epub 2021 Mar 2. PMID: 33667568; PMCID: PMC7923865.

107. Hysenaj L, Little S, Kulhanek K, Gbenedio OM, Rodriguez L, Shen A, Lone JC, Lupin-Jimenez LC, Bonser LR, Serwas NK, Bahl K, Mick E, Li JZ, Ding VW, Matsumoto S, Maishan M, Simoneau C, Fragiadakis G, Jablons DM, Langelier CR, Matthay M, Ott M, Krummel M, Combes AJ, Sil A, Erle DJ, Kratz JR, Roose JP. SARS-CoV-2 infection studies in lung organoids identify TSPAN8 as novel mediator. ***bioRxiv.*** [Preprint]. 2021 Jun 2:2021.06.01.446640. doi: 10.1101/2021.06.01.446640. PMID: 34100012; PMCID: PMC8183007.

108. Le BL, Andreoletti G, Oskotsky T, Vallejo-Gracia A, Rosales R, Yu K, Kosti I, Leon KE, Bunis DG, Li C, Kumar GR, White KM, García-Sastre A, Ott M, Sirota M. Transcriptomics-based drug repositioning pipeline identifies therapeutic candidates for COVID-19. ***Sci Rep.*** 2021 Jun 10;11(1):12310. doi: 10.1038/s41598-021-91625-1. PMID: 34112877; PMCID: PMC8192542.

109. Deng X, Garcia-Knight MA, Khalid MM, Servellita V, Wang C, Morris MK, Sotomayor-González A, Glasner DR, Reyes KR, Gliwa AS, Reddy NP, Sanchez San Martin C, Federman S, Cheng J, Balcerek J, Taylor J, Streithorst JA, Miller S, Sreekumar B, Chen PY, Schulze-Gahmen U, Taha TY, Hayashi JM, Simoneau CR, Kumar GR, McMahon S, Lidsky PV, Xiao Y, Hemarajata P, Green NM, Espinosa A, Kath C, Haw M, Bell J, Hacker JK, Hanson C, Wadford DA, Anaya C, Ferguson D, Frankino PA, Shivram H, Lareau LF, Wyman SK, Ott M, Andino R, Chiu CY. Transmission, infectivity, and neutralization of a spike L452R SARS-CoV-2 variant. ***Cell.*** 2021 Jun 24;184(13):3426-3437.e8. doi: 10.1016/j.cell.2021.04.025. Epub 2021 Apr 20. PMID: 33991487; PMCID: PMC8057738.

110. Son S, Lyden A, Shu J, Stephens S.I , Fozouni P, Knott G.J, Smock D.J ,Liu T.Y, Boehm D, Simoneau C, Kumar G.R , Doudna J.A, Ott M, Fletcher D.A(2021) Sensitive and multiplexed RNA detection with Cas13 droplets and kinetic barcoding ***MedRxiv.*** 2021 August 2:2021.08.02.21261509; doi:10.1101/2021.08.02.21261509

111. 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-Gamen U, Bajaj R, Fox DM, Ott M, Murthy N, Nomura DK, Schaletzky J, Stanley SA. Screening a Library of FDA-Approved and Bioactive Compounds for Antiviral Activity against SARS-CoV-2. ***ACS Infect Dis.*** 2021 Aug 13;7(8):2337-2351. doi: 10.1021/acsinfecdis.1c00017. Epub 2021 Jun 15. PMID: 34129317; PMCID: PMC8231672.

112. Liu TY, Knott GJ, Smock DCJ, Desmarais JJ, Son S, Bhuiya A, Jakhanwal S, Prywes N, Agrawal S, Díaz de León Derby M, Switz NA, Armstrong M, Harris AR, Charles EJ, Thornton BW, Fozouni P, Shu J, Stephens SI, Kumar GR, Zhao C, Mok A, Iavarone AT, Escajeda AM, McIntosh R, Kim S, Dugan EJ; IGI Testing Consortium; Pollard KS, Tan MX, Ott M, Fletcher DA, Lareau LF, Hsu PD, Savage DF, Doudna JA. Accelerated RNA detection using tandem CRISPR nucleases. ***Nat***

Chem Biol. 2021 Sep;17(9):982-988. doi: 10.1038/s41589-021-00842-2. Epub 2021 Aug 5. Erratum in: Nat Chem Biol. 2021 Nov;17(11):1210. PMID: 34354262.

113. Chaturvedi S, Vasen G, Pablo M, Chen X, Beutler N, Kumar A, Tanner E, Illouz S, Rahgoshay D, Burnett J, Holguin L, Chen PY, Ndjamen B, Ott M, Rodick R, Rogers T, Smith DM, Weinberger LS. Identification of a therapeutic interfering particle-A single-dose SARS-CoV-2 antiviral intervention with a high barrier to resistance. ***Cell.*** 2021 Dec 9;184(25):6022-6036.e18. doi: 10.1016/j.cell.2021.11.004. Epub 2021 Nov 10. PMID: 34838159; PMCID: PMC8577993.
114. Syed AM, Taha TY, Tabata T, Chen IP, Ciling A, Khalid MM, Sreekumar B, Chen PY, Hayashi JM, Soczek KM, Ott M, Doudna JA. Rapid assessment of SARS-CoV-2-evolved variants using virus-like particles. ***Science.*** 2021 Dec 24;374(6575):1626-1632. doi: 10.1126/science.abl6184. Epub 2021 Nov 4. PMID: 34735219; PMCID: PMC9005165.
115. Natarajan V, Simoneau CR, Erickson AL, Meyers NL, Baron JL, Cooper S, McDevitt TC, Ott M. Modelling T-cell immunity against hepatitis C virus with liver organoids in a microfluidic coculture system. ***Open Biol.*** 2022 Mar;12(3):210320. doi: 10.1098/rsob.210320. Epub 2022 Mar 2. PMID: 35232252; PMCID: PMC8889170.
116. Edwards DA, Norden B, Karnath L, Yaghi O, Roy CJ, Johanson D, Ott M, Brownstein J, Grove J, Tomson G, Friberg P. Hydration for Clean Air Today[a]. ***Mol Front J.*** 2021;5(1-2):1-4. doi: 10.1142/S252973252101001X. Epub 2022 Mar 7. PMID: 35372791; PMCID: PMC8969365.
117. Servellita V, Syed AM, Morris MK, Brazer N, Saldhi P, Garcia-Knight M, Sreekumar B, Khalid MM, Ciling A, Chen PY, Kumar GR, Gliwa AS, Nguyen J, Sotomayor-Gonzalez A, Zhang Y, Frias E, Prostko J, Hackett J Jr, Andino R, Wadford DA, Hanson C, Doudna J, Ott M, Chiu CY. Neutralizing immunity in vaccine breakthrough infections from the SARS-CoV-2 Omicron and Delta variants. ***Cell.*** 2022 Apr 28;185(9):1539-1548.e5. doi: 10.1016/j.cell.2022.03.019. Epub 2022 Mar 18. PMID: 35429436; PMCID: PMC8930394.
118. Telwatte S, Martin HA, Marczak R, Fozouni P, Vallejo-Gracia A, Kumar GR, Murray V, Lee S, Ott M, Wong JK, Yukl SA. Novel RT-ddPCR assays for measuring the levels of subgenomic and genomic SARS-CoV-2 transcripts. ***Methods.*** 2022 May;201:15-25. doi: 10.1016/j.ymeth.2021.04.011. Epub 2021 Apr 18. PMID: 33882362; PMCID: PMC8105137.
119. Ravalin M, Roh H, Suryawanshi R, Kumar GR, Pak J, Ott M, Ting AY. A single-component luminescent biosensor for the SARS-CoV-2 spike protein. ***bioRxiv.*** [Preprint]. 2022 Jun 15:2022.06.15.496006. doi: 10.1101/2022.06.15.496006. Update in: J Am Chem Soc. 2022 Aug 3;144(30):13663-13672. PMID: 35734091; PMCID: PMC9216720.
120. Matsui Y, Li L, Prahl M, Cassidy AG, Ozarslan N, Golan Y, Gonzalez VJ, Lin CY, Jigmeddagva U, Chidboy MA, Montano M, Taha TY, Khalid MM, Sreekumar B, Hayashi JM, Chen PY, Kumar GR, Warrier L, Wu AH, Song D, Jegatheesan P, Rai DS, Govindaswami B, Needens J, Rincon M, Myatt L, Asiodu IV, Flaherman VJ, Afshar Y, Jacoby VL, Murtha AP, Robinson JF, Ott M, Greene WC, Gaw SL. (2022) Neutralizing antibody activity against SARS-CoV-2 variants in gestational age-matched mother-infant dyads after infection or vaccination. ***JCI Insight***. 2022 Jun 22;7(12):e157354. doi: 10.1172/jci.insight.157354. PMID: 35579965; PMCID: PMC9309042.
121. Suryawanshi RK, Chen IP, Ma T, Syed AM, Brazer N, Saldhi P, Simoneau CR, Ciling A, Khalid MM, Sreekumar B, Chen PY, Kumar GR, Montano M, Gascon R, Tsou CL, Garcia-Knight MA, Sotomayor-Gonzalez A, Servellita V, Gliwa A, Nguyen J, Silva I, Milbes B, Kojima N, Hess V, Shacreaw M, Lopez L, Brobeck M, Turner F, Soveg FW, George AF, Fang X, Maishan M, Matthay M, Morris MK, Wadford D, Hanson C,

Greene WC, Andino R, Spraggon L, Roan NR, Chiu CY, Doudna JA, Ott M. Limited cross-variant immunity from SARS-CoV-2 Omicron without vaccination. ***Nature.*** 2022 Jul;607(7918):351-355. doi: 10.1038/s41586-022-04865-0. Epub 2022 May 18. PMID: 35584773; PMCID: PMC9279157.

122. Chen IP, Longbotham JE, McMahon S, Suryawanshi RK, Khalid MM, Taha TY, Tabata T, Hayashi JM, Soveg FW, Carlson-Stevermer J, Gupta M, Zhang MY, Lam VL, Li Y, Yu Z, Titus EW, Diallo A, Oki J, Holden K, Krogan N, Fujimori DG, Ott M. (2022) Viral E protein neutralizes BET protein-mediated post-entry antagonism of SARS-CoV-2. ***Cell Rep.*** 2022 Jul 19;40(3):111088. doi: 10.1016/j.celrep.2022.111088. Epub 2022 Jun 27. PMID: 35839775; PMCID: PMC9234021.

123. Andrews MG, Mukhtar T, Eze UC, Simoneau CR, Ross J, Parikshak N, Wang S, Zhou L, Koontz M, Velmeshev D, Siebert CV, Gemenes KM, Tabata T, Perez Y, Wang L, Mostajo-Radji MA, de Majo M, Donohue KC, Shin D, Salma J, Pollen AA, Nowakowski TJ, Ullian E, Kumar GR, Winkler EA, Crouch EE, Ott M, Kriegstein AR. Tropism of SARS-CoV-2 for human cortical astrocytes***. Proc Natl Acad Sci U S A.*** 2022 Jul 26;119(30):e2122236119. doi: 10.1073/pnas.2122236119. Epub 2022 Jul 12. PMID: 35858406; PMCID: PMC9335272.

124. Sreekumar BK, Taha TY, Ott M. Taking cues from convalescence to improve vaccines against hepatitis C virus. ***J Clin Invest.*** 2022 Aug 1;132(15):e161819. doi: 10.1172/JCI161819. PMID: 35912856; PMCID: PMC9337820.

125. Syed AM, Ciling A, Taha TY, Chen IP, Khalid MM, Sreekumar B, Chen PY, Kumar GR, Suryawanshi R, Silva I, Milbes B, Kojima N, Hess V, Shacreaw M, Lopez L, Brobeck M, Turner F, Spraggon L, Tabata T, Ott M, Doudna JA. Omicron mutations enhance infectivity and reduce antibody neutralization of SARS-CoV-2 virus-like particles. ***Proc Natl Acad Sci U S A.*** 2022 Aug 2;119(31):e2200592119. doi: 10.1073/pnas.2200592119. Epub 2022 Jul 19. PMID: 35858386; PMCID: PMC9351483.

126. Peters CE, Schulze-Gahmen U, Eckhardt M, Jang GM, Xu J, Pulido EH, Bardine C, Craik CS, Ott M, Gozani O, Verba KA, Hüttenhain R, Carette JE, Krogan NJ. Structure-function analysis of enterovirus protease 2A in complex with its essential host factor SETD3***. Nat Commun.*** 2022 Sep 8;13(1):5282. doi: 10.1038/s41467-022-32758-3. PMID: 36075902; PMCID: PMC9453702.

127. Walter M, Chen IP, Vallejo-Gracia A, Kim IJ, Bielska O, Lam VL, Hayashi JM, Cruz A, Shah S, Soveg FW, Gross JD, Krogan NJ, Jerome KR, Schilling B, Ott M, Verdin E. SIRT5 is a proviral factor that interacts with SARS-CoV-2 Nsp14 protein. ***PLoS Pathog.*** 2022 Sep 12;18(9):e1010811. doi: 10.1371/journal.ppat.1010811. PMID: 36095012; PMCID: PMC9499238.

128. Suryawanshi R, Ott M. SARS-CoV-2 hybrid immunity: silver bullet or silver lining? ***Nat Rev Immunol.*** 2022 Oct;22(10):591-592. doi: 10.1038/s41577-022-00771-8. PMID: 35945353; PMCID: PMC9362961.

129. Zandian M, Chen IP, Byrareddy SN, Fujimori DG, Ott M, Kutateladze TG. Catching BETs by viruses. ***Biochim Biophys Acta Gene Regul Mech.*** 2022 Oct;1865(7):194859. doi: 10.1016/j.bbagrm.2022.194859. Epub 2022 Aug 17. PMID: 35985635; PMCID: PMC9381978.

130. Yu B, Li S, Tabata T, Wang N, Cao L, Kumar GR, Sun W, Liu J, Ott M, Wang L. Accelerating PERx reaction enables covalent nanobodies for potent neutralization of SARS-CoV-2 and variants. ***Chem.*** 2022 Oct 13;8(10):2766-2783. doi: 10.1016/j.chempr.2022.07.012. Epub 2022 Jul 18. PMID: 35874165; PMCID: PMC9288967.

131. Chen IP, Ott M. Viral Hijacking of BET Proteins. ***Viruses.*** 2022 Oct 17;14(10):2274. doi: 10.3390/v14102274. PMID: 36298829; PMCID: PMC9609653.

132. Kong W, Montano M, Corley MJ, Helmy E, Kobayashi H, Kinisu M, Suryawanshi R, Luo X, Royer LA, Roan NR, Ott M, Ndhlovu LC, Greene WC. Neuropilin-1 Mediates SARS-CoV-2 Infection of Astrocytes in Brain Organoids, Inducing Inflammation Leading to Dysfunction and Death of Neurons. ***mBio.*** 2022 Oct 31;13(6):e0230822. doi: 10.1128/mbio.02308-22. Epub ahead of print. PMID: 36314791; PMCID: PMC9765283.

133. Brazer N, Morris MK, Servellita V, Anglin K, Saldhi P, Garcia-Knight M, Bethancourt S, Sotomayor-Gonzalez A, Wang B, Foresythe A, Nguyen J, Gliwa AS, Pineda-Ramirez J, Sanchez RD, Zhang Y, Ott M, Wadford DA, Andino R, Kelly JD, Hanson C, Chiu CY. Neutralizing Immunity Induced Against the Omicron BA.1 and BA.2 Variants in Vaccine Breakthrough Infections. ***J Infect Dis.*** 2022 Nov 11;226(10):1688-1698. doi: 10.1093/infdis/jiac384. PMID: 36134603; PMCID: PMC9619439.

134. Leon KE, Khalid MM, Flynn RA, Fontaine KA, Nguyen TT, Kumar GR, Simoneau CR, Tomar S, Jimenez-Morales D, Dunlap M, Kaye J, Shah PS, Finkbeiner S, Krogan NJ, Bertozzi C, Carette JE, Ott M. Nuclear accumulation of host transcripts during Zika Virus Infection. PLoS Pathog. 2023 Jan 5;19(1):e1011070. doi: 10.1371/journal.ppat.1011070. PMID: 36603024; PMCID: PMC9847913.

135. Hysenaj L, Little S, Kulhanek K, Magnen M, Bahl K, Gbenedio OM, Prinz M, Rodriguez L, Andersen C, Rao AA, Shen A, Lone JC, Lupin-Jimenez LC, Bonser LR, Serwas NK, Mick E, Khalid MM, Taha TY, Kumar R, Li JZ, Ding VW, Matsumoto S, Maishan M, Sreekumar B, Simoneau C, Nazarenko I, Tomlinson MG, Khan K, von Gottberg A, Sigal A, Looney MR, Fragiadakis GK, Jablons DM, Langelier CR, Matthay M, Krummel M, Erle DJ, Combes AJ, Sil A, Ott M, Kratz JR, Roose JP. SARS-CoV-2 infection of airway organoids reveals conserved use of Tetraspanin-8 by Ancestral, Delta, and Omicron variants. ***Stem Cell Reports.*** 2023 Feb 8:S2213-6711(23)00014-0. doi: 10.1016/j.stemcr.2023.01.011. Epub ahead of print. PMID: 36827975; PMCID: PMC9948283.

136. Boehm D, Lam V, Schnolzer M, Ott M. The lysine methyltransferase SMYD5 amplifies HIV-1 transcription and is post-transcriptionally upregulated by Tat and USP11. ***Cell Rep***. 2023 Mar 9;42(3):112234. doi: 10.1016/j.celrep.2023.112234. Epub ahead of print. PMID: 36897778.

137. Han H, Gracia AV, Røise JJ, Boike L, Leon K, Schulze-Gahmen U, Stentzel MR, Bajaj T, Chen D, Li IC, He M, Behrouzi K, Khodabakhshi Z, Nomura DK, Mofrad MRK, Kumar GR, Ott M, Murthy N. A covalent inhibitor targeting the papain-like protease from SARS-CoV-2 inhibits viral replication. ***RSC Adv***. 2023 Apr 4;13(16):10636-10641. doi: 10.1039/d3ra00426k. PMID: 37025664; PMCID: PMC10072198.

138. Taha TY, Chen IP, Hayashi JM, Tabata T, Walcott K, Kimmerly GR, Syed AM, Ciling A, Suryawanshi RK, Martin HS, Bach BH, Tsou CL, Montano M, Khalid MM, Sreekumar BK, Renuka Kumar G, Wyman S, Doudna JA, Ott M. Rapid assembly of SARS-CoV-2 genomes reveals attenuation of the Omicron BA.1 variant through NSP6. ***Nat Commun.*** 2023 Apr 21;14(1):2308. doi: 10.1038/s41467-023-37787-0. PMID: 37085489; PMCID: PMC10120482.

139. Singh I, Li F, Fink EA, Chau I, Li A, Rodriguez-Hernández A, Glenn I, Zapatero-Belinchón FJ, Rodriguez ML, Devkota K, Deng Z, White K, Wan X, Tolmachova NA, Moroz YS, Kaniskan HÜ, Ott M, García-Sastre A, Jin J, Fujimori DG, Irwin JJ, Vedadi M, Shoichet BK. Structure-Based Discovery of Inhibitors of the SARS-CoV-2 Nsp14 N7-Methyltransferase. ***J Med Chem.*** 2023 Jun 9. doi: 10.1021/acs.jmedchem.2c02120. Epub ahead of print. PMID: 37294077.

140. Bajaj T, Wehri E, Suryawanshi RK, King E, Pardeshi KS, Behrouzi K, Khodabakhshi Z, Schulze-Gahmen U, Kumar GR, Mofrad MRK, Nomura DK, Ott M, Schaletzky J,

Murthy N. Mercapto-pyrimidines are reversible covalent inhibitors of the papain-like protease (PLpro) and inhibit SARS-CoV-2 (SCoV-2) replication. ***RSC Adv***. 2023 Jun 12;13(26):17667-17677. doi: 10.1039/d3ra01915b. PMID: 37312993; PMCID: PMC10259201.

141. Kim IJ, Lee YH, Khalid MM, Chen IP, Zhang Y, Ott M, Verdin E. SARS-CoV-2 protein ORF8 limits expression levels of Spike antigen and facilitates immune evasion of infected host cells. ***J Biol Chem.*** 2023 Jun 22:104955. doi: 10.1016/j.jbc.2023.104955. Epub ahead of print. PMID: 37354973.
142. Upadhyay V, Suryawanshi RK, Tasoff P, McCavitt-Malvido M, Kumar RG, Murray VW, Noecker C, Bisanz JE, Hswen Y, Ha CWY, Sreekumar B, Chen IP, Lynch SV, Ott M, Lee S, Turnbaugh PJ. Mild SARS-CoV-2 infection results in long-lasting microbiota instability. ***mBio***. 2023 Aug 31;14(4):e0088923. doi: 10.1128/mbio.00889-23. Epub 2023 Jun 9. PMID: 37294090; PMCID: PMC10470529.
143. Taha TY, Suryawanshi RK, Chen IP, Correy GJ, McCavitt-Malvido M, O'Leary PC, Jogalekar MP, Diolaiti ME, Kimmerly GR, Tsou CL, Gascon R, Montano M, Martinez-Sobrido L, Krogan NJ, Ashworth A, Fraser JS, Ott M. A single inactivating amino acid change in the SARS-CoV-2 NSP3 Mac1 domain attenuates viral replication in vivo. ***PLoS Pathog***. 2023 Aug 31;19(8):e1011614. doi: 10.1371/journal.ppat.1011614. PMID: 37651466; PMCID: PMC10499221.
144. Li Z, Deeks SG, Ott M, Greene WC. Comprehensive synergy mapping links a BAF- and NSL-containing "supercomplex" to the transcriptional silencing of HIV-1. ***Cell Rep***. 2023 Sep 26;42(9):113055. doi: 10.1016/j.celrep.2023.113055. Epub 2023 Sep 7. PMID: 37682714; PMCID: PMC10591912.
145. Ma T, Suryawanshi RK, Miller SR, Ly KK, Thomas R, Elphick N, Yin K, Luo X, Kaliss N, Chen IP, Montano M, Sreekumar B, Standker L, Münch J, Heath Damron F, Palop JJ, Ott M, Roan NR. Post-acute immunological and behavioral sequelae in mice after Omicron infection. ***bioRxiv*** [Preprint]. 2023 Oct 4:2023.06.05.543758. doi: 10.1101/2023.06.05.543758. PMID: 37333294; PMCID: PMC10274741.
146. Lyons DE, Kumar P, Roan NR, Defechereux PA, Feschotte C, Lange UC, Murthy N, Sameshima P, Verdin E, Ake JA, Parsons MS, Nath A, Gianella S, Smith DM, Kallas EG, Villa TJ, Strange R, Mwesigwa B, Furler O'Brien RL, Nixon DF, Ndhlovu LC, Valente ST, Ott M. HIV-1 Remission: Accelerating the Path to Permanent HIV-1 Silencing. ***Viruses***. 2023 Oct 28;15(11):2171. doi: 10.3390/v15112171. PMID: 38005849; PMCID: PMC10674359.
147. Boehm D, Ott M. A flow cytometry-based assay to investigate HIV-1 expression in SMYD5 shRNA containing primary CD4+ T cells. ***STAR Protoc***. 2023 Nov 4;4(4):102694. doi: 10.1016/j.xpro.2023.102694. Epub ahead of print. PMID: 37925635.
148. Meyers NL, Ashuach T, Lyons DE, Khalid MM, Simoneau CR, Erickson AL, Bouhaddou M, Nguyen TT, Kumar GR, Taha TY, Natarajan V, Baron JL, Neff N, Zanini F, Mahmoudi T, Quake SR, Krogan NJ, Cooper S, McDevitt TC, Yosef N, Ott M. Hepatitis C virus infects and perturbs liver stem cells. ***mBio***. 2023 Nov 8:e0131823. doi: 10.1128/mbio.01318-23. Epub ahead of print. PMID: 37938000.
149. Boehm D, Kaehlcke K, Schnoelzer M, Ott M. Protocol for an in vitro assay to study HIV-1 Tat methylation. ***STAR Protoc***. 2023 Nov 17;4(4):102687. doi: 10.1016/j.xpro.2023.102687. Epub ahead of print. PMID: 37979180.
150. Zhao H, Syed AM, Khalid MM, Nguyen A, Ciling A, Wu D, Yau WM, Srinivasan S, Esposito D, Doudna JA, Piszczek G, Ott M, Schuck P. Assembly reactions of SARS-CoV-2 nucleocapsid protein with nucleic acid. ***bioRxiv*** [Preprint]. 2023 Nov 23:2023.11.22.568361. doi: 10.1101/2023.11.22.568361. PMID: 38045338; PMCID: PMC10690241.

151. Suryawanshi RK, Taha TY, McCavitt-Malvido M, Silva I, Khalid MM, Syed AM, Chen IP, Saldhi P, Sreekumar B, Montano M, Foresythe K, Tabata T, Kumar GR, Sotomayor-Gonzalez A, Servellita V, Gliwa A, Nguyen J, Kojima N, Arellanor T, Bussanich A, Hess V, Shacreaw M, Lopez L, Brobeck M, Turner F, Wang Y, Ghazarian S, Davis G, Rodriguez D, Doudna J, Spraggon L, Chiu CY, Ott M. Previous exposure to Spike-providing parental strains confers neutralizing immunity to XBB lineage and other SARS-CoV-2 recombinants in the context of vaccination. ***Emerg Microbes Infect***. 2023 Dec;12(2):2270071. doi: 10.1080/22221751.2023.2270071. Epub 2023 Oct 31. PMID: 37869789; PMCID: PMC10619466.

152. Weinberg ZY, Soliman SS, Kim MS, Chen IP, Ott M, El-Samad H. *De novo*-designed minibinders expand the synthetic biology sensing repertoire. ***bioRxiv*** [Preprint]. 2024 Jan 15:2024.01.12.575267. doi: 10.1101/2024.01.12.575267. PMID: 38293112; PMCID: PMC10827046.

153. Rathore U, Haas P, Easwar Kumar V, Hiatt J, Haas KM, Bouhaddou M, Swaney DL, Stevenson E, Zuliani-Alvarez L, McGregor MJ, Turner-Groth A, Ochieng' Olwal C, Bediako Y, Braberg H, Soucheray M, Ott M, Eckhardt M, Hultquist JF, Marson A, Kaake RM, Krogan NJ. CRISPR-Cas9 screen of E3 ubiquitin ligases identifies TRAF2 and UHRF1 as regulators of HIV latency in primary human T cells. ***mBio***. 2024 Feb 27:e0222223. doi: 10.1128/mbio.02222-23. Epub ahead of print. PMID: 38411080.

154. Zhao H, Syed AM, Khalid MM, Nguyen A, Ciling A, Wu D, Yau WM, Srinivasan S, Esposito D, Doudna JA, Piszczek G, Ott M, Schuck P. Assembly of SARS-CoV-2 nucleocapsid protein with nucleic acid. Nucleic Acids Res. 2024 Jun 24;52(11):6647-6661. doi: 10.1093/nar/gkae256. PMID: 38587193; PMCID: PMC11194069.

155. Glenn IS, Hall LN, Khalid MM, Ott M, Shoichet BK. Colloidal Aggregation Confounds Cell-Based Covid-19 Antiviral Screens. ***J Med Chem.*** 2024 Jun 27;67(12):10263-10274. doi: 10.1021/acs.jmedchem.4c00597. Epub 2024 Jun 12. PMID: 38864383; PMCID: PMC11236530.

156. Simoneau CR, Chen PY, Xing GK, Hayashi JM, Chen IP, Khalid MM, Meyers NL, Taha TY, Leon KE, Suryawanshi RK, McCavitt-Malvido M, Ashuach T, Fontaine KA, Rodriguez L, Joehnk B, Walcott K, Vasudevan S, Fang X, Maishan M, Schultz S, Roose JP, Matthay MA, Sil A, Arjomandi M, Yosef N, Ott M. NF-κB inhibitor alpha controls SARS-CoV-2 infection in ACE2-overexpressing human airway organoids. ***Sci Rep.*** 2024 Jul 4;14(1):15351. doi: 10.1038/s41598-024-66003-2. PMID: 38961189; PMCID: PMC11222426.

157. Magnen M, You R, Rao AA, Davis RT, Rodriguez L, Bernard O, Simoneau CR, Hysenaj L, Hu KH, Maishan M, Conrad C, Gbenedio OM, Samad B, Consortium TUC, Love C, Woodruff PG, Erle DJ, Hendrickson CM, Calfee CS, Matthay MA, Roose JP, Sil A, Ott M, Langelier CR, Krummel MF, Looney MR. Immediate myeloid depot for SARS-CoV-2 in the human lung. ***Sci Adv.*** 2024 Aug 2;10(31):eadm8836. doi: 10.1126/sciadv.adm8836. Epub 2024 Jul 31. PMID: 39083602; PMCID: PMC11290487.

158. Suryawanshi RK, Jaishankar P, Correy GJ, Rachman MM, O'Leary PC, Taha TY, Zapatero-Belinchón FJ, McCavitt-Malvido M, Doruk YU, Stevens MGV, Diolati ME, Jogalekar MP, Richards AL, Montano M, Rosecrans J, Matthay M, Togo T, Gonciarz RL, Gopalkrishnan S, Neitz RJ, Krogan NJ, Swaney DL, Shoichet BK, Ott M, Renslo AR, Ashworth A, Fraser JS. The Mac1 ADP-ribosylhydrolase is a Therapeutic Target for SARS-CoV-2. ***bioRxiv*** **[**Preprint]. 2024 Aug 9:2024.08.08.606661. doi: 10.1101/2024.08.08.606661. PMID: 39149230; PMCID: PMC11326214.

159. Rosas-Lemus M, Minasov G, Brunzelle JS, Taha TY, Lemak S, Yin S, Shuvalova L, Rosecrans J, Khanna K, Seifert HS, Savchenko A, Stogios PJ, Ott M, Satchell KJF.

Torsional Twist of the SARS-CoV and SARS-CoV-2 SUD-N and SUD-M domains. ***bioRxiv*** [Preprint]. 2024 Aug 14:2024.08.13.607777. doi: 10.1101/2024.08.13.607777. PMID: 39185168; PMCID: PMC11343135.

160. Li L, Matsui Y, Prahl MK, Cassidy AG, Golan Y, Jigmeddagva U, Ozarslan N, Lin CY, Buarpung S, Gonzalez VJ, Chidboy MA, Basilio E, Lynch KL, Song D, Jegatheesan P, Rai DS, Govindaswami B, Needens J, Rincon M, Myatt L, Taha TY, Montano M, Ott M, Greene WC, Gaw SL. Neutralizing and binding antibody responses to SARS-CoV-2 with hybrid immunity in pregnancy. ***NPJ Vaccines***. 2024 Aug 27;9(1):156. doi: 10.1038/s41541-024-00948-3. PMID: 39191763.

161. Ryu JK, Sozmen EG, Montano M, Dixit K, Yan Z, Matsui Y, Helmy E, Suryawanshi R, Deerinch TJ, Tognatta R, Liu Y, Schuck R, Meyer-Franke A, Mendiola AS, Guo B, Taha TY, Agrawal A, Weaver O, Petersen MA, Acevedo RM, Alzamora MPS, Thomas R, Kouznetsova VL, Tsigelny IF, Pico AR, Ellisman MH, Ott M, Greene WC, Akassoglou K. Fibrin drives thromboinflammation and neuropathology in COVID-19. ***Nature.*** (2024). https://doi.org/10.1038/s41586-024-07873-4

Book Chapters:

1. Molekulargenetische Aspekte des Parkinsonsyndroms. M. Ott, In: Verlaufsbezogene Diagnostik und Therapie der Parkinson-Krankheit. P.-A. Fischer (ed.), Editiones Roche, Basel/Grenzach-Wyhlen, (1992), pp 34-41

2. Genetic Research in Child and Adolescent Psychiatry. M. Ott and F. Poustka. In: Basic Approaches to Genetic and Molecular Biological Developmental Psychiatry. F. Poustka (ed.), Quintessenz Verlags-GmbH, Berlin-Muenchen, (1994), pp 7-24

3. Encyclopedia of AIDS. Editors: Thomas J Hope, Mario Stevenson, Douglas Richmond. Chapter “Early HIV transcription: Tat expression and function" by RJ Conrad, M Jeng and M Ott, Springer, ISBN: 978-1-4614-9610-6 (Continuously updated edition)

4. Histone Recognition. Editor: Ming-Ming Zhou. Chapter “Activating Latent HIV by Inhibiting Bromodomain Proteins” by RJ Conrad, D Boehm and M Ott, Springer, ISBN 978-3-319-18102-8, (2015) pp 225-241

5. Fields Virology: RNA Viruses. 7th edition. Editors: Howley PM, Whelan S, Freed EO, Cohen JL, Knipe DM. Chapter 17: Human Immunodeficiency Viruses: Replication. Ott M and Freed EO (2022), *Publication Date: September 27, 2022*

Editorship:

1. Guest editor, Methods, “Methods related to the molecular virology of HIV”, published January 2011.

Media and Interviews (highlights):

1. Interviewed in ***San Francisco Business Times***, “Inspire Awards: Melanie Ott leads research into biology of Covid-19”, May 2020
2. Interviewed in ***ABC News***, “Bay Area researchers develop new rapid COVID-19 test that uses smartphone camera”, Jan 2021
3. Interviewed in ***Forbes***, “Can Crispr-Based Covid-19 Testing Using Smartphones Slow The Pandemic?”, Dec 2020

4. Interviewed in ***San Francisco Business Times***, “Covid test may be as close as your smartphone, say UC, Gladstone researchers”. Dec 2020
5. Quoted in ***The Wall Street Journal***, “Face Masks Really Do Matter. The Scientific Evidence Is Growing”, Jul 2020
6. Quoted in ***The Scientist,*** “ Some Coronavirus Researchers Are Running Low on Masks” Apr 2020
7. Quoted in ***The Mercury News,*** “ Coronavirus: Trump predicts vaccine delivery by end of 2020. Experts say that’s not likely”, May 2020
8. Quoted in ***STAT,*** “ To accelerate innovation, the CDC should ease limits on which labs can handle the coronavirus”, Apr 2020
9. Quoted in ***SF Chronicle,*** “For the first time, a drug is found to reduce coronavirus death rate”, Jun 2020
10. Quoted in ***SF Chronicle,*** “ The cheap steroid being hailed as life-saving COVID-19 treatment: What we know about dexamethasone”, Jun 2020
11. Quoted in Newsweek, “ The Biothriller That Wasn't: A Cautionary Tale of Being a Virologist During an Epidemic”, Aug 2020
12. Quoted in ***Nature Biotechnology,*** “Coronavirus testing finally gathers speed”, Nov 2020
13. Quoted in ***JAMA Network,*** “ The Promise and Peril of Antibody Testing for COVID-19”, Apr 2020
14. Quoted in ***engineering.com***, “ Gladstone Institutes researchers tackle coronavirus with robotics, mobile phone technology”, Apr 2020
    Our “hidden enemy,” in plain sight”, Jun 2020
15. Interviewed in ***The Mercury News,*** “ Coronavirus: Some Live, Some Die. Why?”, Mar 2020
16. Interviewed in ***STAT***, “ You need a special lab to study the coronavirus. Here’s what it takes to get one up and running”, Apr 2020
17. Interviewed in ***SF Chronicle***, “ SF’s Gladstone Institutes splits research work in battle against coronavirus, future diseases”, May 2020
18. Interviewed in ***San Francisco Chronicle***, “ Big Guns Fighting the Coronavirus”, Apr 2020
19. Interviewed in ***San Francisco Business Times***, “Inspire Awards: Melanie Ott leads research into biology of Covid-19” May 2020
20. Interviewed in ***San Francisco Business Times***, “ Gladstone launches 2 new institutes — one focused on Covid-19, the other on cell therapies” May 2020
21. Interviewed in ***NY Times***, “ Monster or Machine? A Profile of the Coronavirus at 6 Months
22. Interviewed in ***Marin Independent Journal***, “Marin scientists leading efforts into coronavirus research”, Mar 2020
23. Interviewed in ***KQED,*** Inside SF's New Biosafety Lab, Where Scientists Wrangle Live Coronavirus, Jul 2020
24. Interviewed in ***KQED,*** “ Bay Area Doctors Talk Coronavirus Risks and Prevention”, Feb 2020
25. Interviewed in ***KQED***, “ A Virus' One Purpose, and How Vaccines Thwart It” , Mar 2020
26. Interviewed in ***Forbes***, “Can Crispr-Based Covid-19 Testing Using Smartphones Slow The Pandemic?”, Dec 2020
27. Interviewed in ***East Bay Business News, “***Covid test may be as close as your smartphone, say UC, Gladstone researchers”, Dec 2020
28. Interviewed in ***ABC News***, “Infectious disease specialists replacing coronavirus fears with facts”, Jan 2021

29. Interviewed in ***SF Chronicle***, “The Coronavirus Is Changing Faster Than Scientists Thought. Can Vaccines Still Stamp It Out?”, Jan 2021
30. Interviewed in ***SF Business Times***, “Women Who Lead Influencers: Finding a Way through a Crisis”, March 2021
31. Interviewed in ***SF Business Times***, “At Home, on Your Phone, Results in Minutes: How COVID Has Changed the Future of Health Tests”, March 2021
32. Interviewed in ***ABC News,*** “Women in Medicine Finally Have Spotlight in COVID-19 Fight After Decades of Diversity Building”, April 2021
33. Interviewed in ***QBI Fireside Chat***, “Scientific Collaborations Across Borders – QBI/Institut Pasteur: Epigenetic Modifications and Human Pathogenic Viruses”, October 2021
34. Interviewed in ***Cosmos***, “Learning from vaccines: the race to make antiviral drugs”, November 2021
35. Interviewed in ***San Jose Mercury News***, “Disease in a Dish: What Mini-Hearts and Other Organs Reveal about Long COVID”, March 2022
36. Interviewed in ***CBC***, “Disease in a Dish: What Mini-Hearts and Other Organs Reveal about Long COVID”, March 2022
37. Interviewed in ***STAT News***, “What the Current Spike in Covid-19 Cases Could Say About the Coronavirus’ Future”, May 2022
38. Interviewed in ***ABC News***, “Scientists Explain Why Getting Infected With Omicron Doesn’t Protect You From Other COVID Variants”, May 2022
39. Interviewed in ***Washington Post***, “Covid was vanishing last Memorial Day. Cases are five times higher now.”, May 2022
40. Interviewed in ***USA Today***,” It's happening again: COVID-19 cases are back on the rise. There are 3 main reasons why”. May 2022
41. Interviewed in ***The Daily Californian, “***Researchers find SARS-CoV-2 antibodies less effective against omicron”. July 2022
42. Interviewed in ***Wall Street Journal,*** “Covid-19’s spread in China might tell us how deadly Omicron really is” . December 2022
43. Interviewed in ***The Voice SF,*** “San Francisco’s role in the mpox fight”, August 2024