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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 Elmezzzi Graduate School)
- 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 Postdoctoral Fellow, 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 and Immunology, San Francisco, CA.
- 7/12-present Professor, University of California, San Francisco, CA, Department of Medicine, School of Medicine.
- 2012-2020 Gladstone Scientific Officer for Mentoring
- 2018-2020 Co-Director, Gladstone Biofulcrum Program for Infectious Diseases
- 2020-present Director, Gladstone Institute of Virology
- 2020-present Senior Vice President, Gladstone Institutes

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. Burbidge 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
2016	Novo Nordisk Laureate Grant recipient (declined)
2017	elected Fellow of the American Academy of Microbiology (ASM)
2017	DiNA Award Biotechnology Educator of the Year, California Life Sciences Association (CLSA)
2018	UCSF AIDS Research Institute Award for Outstanding Teaching and Mentoring
2019	NIH MERIT Award

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
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	

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 23 rd International AIDS Conference Coordinating Committee (AIDS 2020 CCC), Co-lead for Track A "Basic Science", San Francisco, CA	

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.
- 2007 Invited Research Seminar, University of California, Davis.
- 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*)
- 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, New York
- 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 Columbia, Canada
- 2012 Invited Speaker, Global Health Travel Workshop, Keystone Symposium, Whistler, British Columbia, Canada
- 2012 Session Chair, Keystone Symposium on Frontiers in HIV Pathogenesis, Therapy and Eradication, Whistler, British Columbia, 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, New Hampshire
- 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
- 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, Presymposium on Basic HIV Biology, AIDS2020, San Francisco, CA
- 2020 Invited speaker, QBI/Crick Institute Symposium on Quantitative Mapping of the Cell, London, UK
- 2020 Invited Speaker, QBI/Pasteur Symposium on Infectious Disease, Paris, France
- 2020 Invited Speaker, Keystone Symposium on HIV Pathogenesis and Cure, Keystone, CO
- 2020 Co-Organizer, Tenth Annual Bay Area Symposium on Viruses at the University of California Berkeley, CA
- 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
- 2020 Keynote Speaker, Asilomar Chromatin Chromosomes and Epigenetics Conference
- 2021 Keynote Speaker - SARS-CoV-2: Online Meeting on Detection Systems, Spain Madrid
- 2021 Keynote speaker- Biosensors for Pandemics2021
- 2021 Invited Speaker, Annual Abundance 360 Summit
- 2021 Keynote Speaker, Biosensors for Pandemics Annual Meeting
- 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
- 2021 Invited Speaker, ARVO 2021 Symposium
- 2021 Invited Speaker, Live Online GCC Biotech Seminars
- 2021 Invited Speaker, Next Generation Dx Summit on Advancing Diagnostics Together
- 2021 Invited Speaker, American Chemical Society (ACS) Spring 2021 National Meeting
- 2021 Invited Speaker, Feinsein Academy of Scholars Symposium
- 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
- 2021 Invited Speaker, AMP 2021 Annual Meeting and Expo
- 2022 Invited Speaker, Laboratory Medicine Research Conference, Yale University
- 2023 Invited Speaker, EMBO workshop on Eukaryotic RNA Turnover and Viral Biology, Brno, Czech Republic

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-present Member, Basic Science Review Committee, Resource Allocation Program (RAP), University of California, San Francisco
- 2008-present 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 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

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

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.
 2017-2021 Albert Vallejo Gracia, Ph.D.
 2017-2019 Kathrin Roesch, Ph.D.
 2017-present Jennifer Hayashi, Ph.D.
 2019 Ibraheem Ali, Ph.D.
 2019-present Danielle Lyons, Ph.D.
 2019-present Gili Aviv, Ph.D.
 2020-present Taha Taha, Ph.D.
 2020-present Bharath Sreekumar, Ph.D.
 2021 Frank Soveg, Ph.D.
 2021 Camille Simoneau, Ph.D.
 2021 Mir Khalid, Ph.D.

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
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CURRENT RESEARCH SUPPORT

2021	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)
2014-2023	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)

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

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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

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
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9. Quoted in **SF Chronicle**, “For the first time, a drug is found to reduce coronavirus death rate”, Jun 2020
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15. Interviewed in **The Mercury News**, “Coronavirus: Some Live, Some Die. Why?”, Mar 2020
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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
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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