CURRICULUM VITAE

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Career Objective:
I have two career paths of interest that are related through my experience as a research scientist studying exotic diseases. As an analyst, I am interested in researching, reporting, and teaching on the problems related to biological warfare/terrorism/crime defense and disarmament, and in helping to develop anti-proliferation strategies and programs to implement biological arms control. As a laboa
ratory scientist, I would like to continue and expand upon my research, knowledge, and specialization in the diagnosis, identification, and molecular characterization of tropical and exotic pathogens (zooanthroponoses, arthropod- and rodent-borne infectious diseases, hemorrhagic fevers, rare encephalopathies, and emerging infectious diseases). My ultimate goal is to contribute to the development of medical countermeasures for the treatment and prevention of these diseases.

Professional Experience:

- **November 2013 – present:** Principal and Tunnell Government Services IRF-Frederick Team Lead, Tunnell Government Services, Inc., Bethesda, Maryland, USA; and Virology Lead, NIH/NIAID/DCR Integrated Research Facility at Fort Detrick (IRF-Frederick), National Interagency Biodefense Campus (NIBC), Fort Detrick, Frederick, Maryland, USA.
- **March 2008 – November 2013:** Managing Consultant, Tunnell Government Services, Inc., Bethesda, Maryland, USA; and Lead Virologist, NIH/NIAID/DCR Integrated Research Facility at Fort Detrick (IRF-Frederick), National Interagency Biodefense Campus (NIBC), Fort Detrick, Frederick, Maryland, USA.
- **May – November 2007:** Subcontractor. Battelle Memorial Institute, Columbus, Ohio, USA.
- **January 2005 – March 2008:** Research Scholar. Division of Tumor Virology, New England Primate Research Center, Department of Microbiology and Molecular Genetics, Harvard Medical School, Southborough, Massachusetts, USA. Advisor: Associate Prof. Michael R. Farzan, PhD.
- **October 2003 – December 2004:** Research Fellow. Partners AIDS Research Center, Channing Laboratory, Brigham & Women's Hospital, Harvard Medical School, Cambridge, Massachusetts, USA. Advisor: Assistant Prof. Michael R. Farzan, PhD.
- **June – October 2001:** Technical Diplomat (US Department of State sponsorship) and Senior Project Manager for the International Science and Technology Center (ISTC), Moscow, Russia, representing the US Department of Defense's Defense Threat Reduction Agency (DTRA), Alexandria, Virginia, USA. Stationed at Государственный научный центр вирусологии и биотехнологии «Вектор» [State Research Center for Virology and Biotechnology "Vector"], Koltsovo, Novosibirsk Region, Siberia, Russia. This project included two two-week briefings in Washington, DC, USA in April 2001, and in Moscow, Russia in June 2001, respectively; and two debriefings of one week each in the same cities in October 2001. Advisors: Barbara Johnson, PhD, RBP; James C. Bartholomew, PhD.

- **April 2001 – September 2003:** Subcontractor. Science Applications International Corporation – Threat Reduction Support Center (SAIC-TRSC), Alexandria, Virginia, USA. Advisors: Barbara Johnson, PhD, RBP; James C. Bartholomew, PhD.
- **April 1998 – April 1999:** Graduate research assistant. Hood College, Frederick, Maryland, USA. Advisor: Kevin Anderson, PhD.

Teaching Experience:

- **February 2004 – March 2008:** Laboratory supervisor of a Harvard College undergraduate student (February 2004 – April 2005), three Harvard graduate students (August – December 2004; January 2005 – December 2007; July – September 2007), and an Utrecht University undergraduate student (October 2006 – April 2007), New England Primate Research Center, Harvard Medical School, Southborough, Massachusetts, USA (2005 – 2008); and Partners AIDS Research Center, Brigham and Women's Hospital, Harvard Medical School, Cambridge, Massachusetts, USA (2004).
- **April 1996 – April 1997:** Graduate teaching assistant (tutor for biochemistry students of both graduate and undergraduate levels). Projekttutorium [Tutorial]. Freie Universität Berlin, Fachbereich Chemie [Department of chemistry], Berlin, Germany. Advisor: Prof. Dr. rer. nat. Ferdinand Hucho.

Education:

- **November 2004:** Medizinische Approbation [German Medical License].
- **November 2003 – December 2008:** Cand. rer. nat. [PhD student], Fachbereich Biologie, Chemie, Pharmazie [Department of biology, chemistry, pharmacy], Freie Universität Berlin, Berlin, Germany; New England Primate Research Center, Harvard Medical School, Southborough, Massachusetts, USA (2005-2008); and Partners AIDS Research Center, Brigham and Women's Hospital, Harvard Medical School, Cambridge, Massachusetts, USA (2003-2004). Subject: Filoviruses Attach to a Common Cell-Surface Molecule via Distinct and Strongly Immunogenic Receptor-binding Regions, and Modulate Cell Entry Through Δ-Peptides. Advisors: Prof. Dr. rer. nat. Volker Haucke (Germany), Associate Prof. Michael R. Farzan, PhD (USA). Submitted to the dissertation committee on September 4, 2008; defended *summa cum laude* on November 12, 2008; degree received on December 12/2008.
- **October 2000 – September 2004:** Medizinische Doktorarbeit [MD dissertation]. Charité – Universitätsmedizin Berlin [Charité – University Medicine], Campus Benjamin Franklin, Institut für Infektionsmedizin [Institute of Medicine of Infection], Berlin, Germany. Subject: Experiences of the First Western Scientist With Permission to Work Inside A Former Soviet Biowarfare Facility. Advisor: Prof. Dr. med. Helmut Hahn. 125 pages. Submitted to the dissertation committee on December 15, 2003; defended *cum laude* on June 15, 2004; degree received on September 3, 2004.
- **June 2000 – April 2003:** Cand. rer. medic. [PhD student in medical sciences], Fachbereich Humanmedizin [Department of medicine], Freie Universität Berlin, Berlin, Germany. Medizinwissenschaftliche Doktorarbeit [PhD dissertation in medical sciences]. Subject: *Mononegavirales: Filoviridae* – The Marburg- and Ebola-like Viruses. A Bibliographic Review of the Scientific World Literature. Advisors: Prof. Dr. med. Helmut Hahn and Prof. Dr med. Detlev H. Krüger. 656 pages; 3,100 references. Submitted to the dissertation committee on July 8, 2002; defended *magna cum laude* on March 11, 2003; degree received on April 11, 2003.
- **October 1995 – November 2002:** Cand. med. [Medical student], Fachbereich Humanmedizin [Department of medicine], Freie Universität Berlin, Berlin, Germany. November 2002: Arzt [Physician].
- **October 1993 – April 1999:** Biochemie-Student [MS student in biochemistry], Fachbereich Biologie, Chemie, Pharmazie [Department of biology, chemistry, pharmacy], Freie Universität Berlin, Berlin, Germany; Department of Molecular Virology, Virology Division, United States Army Medical Research Institute of Infectious Diseases (USAMRIID), Fort Detrick. Maryland, USA. April 1998-April 1999: Diplomarbeit [MS thesis] in Biochemistry. Subject: Evaluation of expression and encapsidation properties of recombinant *Poliovirus* RNA replicons expressing *Ebola virus* glycoproteins. Advisors: Prof. Dr. med. Werner Reutter (Germany), and Kevin Anderson, PhD (USA). Biochemie-Diplom [Master of Biochemical Sciences/MS degree] received in April 1999 (grade: ausgezeichnet [with distinction]).
- **July 1992:** Zeugnis der Allgemeinen Hochschulreife/Abitur [Graduation from the German Gymnasium], Dietrich-Bonhoeffer-Gymnasium Oberasbach, Bavaria, Germany.

Clerkships, Electives, Field Trips, and Rotations:

- **June – October 2002:** Final year clinical elective. Department of Internal Medicine, G. F. Jooste Hospital, The University of Cape Town, Manenberg, South Africa. Advisor: Prof. Blythe, MD.

- **February – June 2002:** Final year clinical elective. Dipartimento di Scienze Chirurgiche, Ortopediche, Traumatologiche ed Emergenze [Department of surgical sciences, orthopedics, trauma, and emergencies], Facoltà di Medicina e Chirurgia [Medical and surgical faculty], Azienda Universitaria Policlinico [University hospital campus], Università Degli Studi di Napoli "Federico II" [University of Naples "Federico II"], Naples, Italy. Advisors: Prof. Raffaele Jovino, MD, PhD, and Mario Musella, MD.
- **November 2001 – February 2002:** Final year clinical elective. Dipartiment ta' Maternita [Department of obstetrics and gynecology], Sptar San Luqa [St. Luke's hospital], L-Università ta' Malta [University of Malta], Gwardamanġa, Malta. Advisor: Francis Bonello, MD.
- **April – October 2001:** Laboratory rotation. First Western scientist with permission to work in a laboratory of a former Soviet bioweapons facility: Государственный научный центр вирусологии и биотехнологии «Вектор» [State Research Center for Virology and Biotechnology "Vector"], Koltsovo, Novosibirsk Region, Siberia, Russia. Project: Study of the Genomic Structure of Crimean-Congo Hemorrhagic Fever Virus Isolates Circulating in the Southern Region of NIS Countries (International Science and Technology Center Project No. 1291-2). Advisors: Владимир Семенович Петров [Vladimir Semyonovich Petrov], PhD (Russia), Barbara Johnson, PhD (SAIC, USA).
- **November – December 2000:** Famulatur [Medical clerkship]. 감염내과 [Department of Infectious Diseases], 길병원 [Gil Medical Center], 가천의과대학교 [Gachon Medical School], Inchon, South Korea. Project: Participation in the clinical assessment of patients with exotic infectious diseases (hemorrhagic fever with renal syndrome, leptospirosis, tsutsugamushi disease). Advisors: Prof. Dr. med. Dr. rer. nat. Walter C. Schüller, and Prof. 조용균 [Cho Yong-Kyun], MD.
- **October 1999 – January 2000:** Famulatur [Laboratory rotation] at the Department of Cancer Immunology and AIDS, Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts, USA. Participation in projects concerning the stabilization of the quaternary structure of various HIV-1 glycoprotein trimers as a means to create novel vaccine candidates. Advisors: Prof. Joseph G. Sodroski, MD, and Xinzhen Yang, MD, PhD.
- **August – October 1999:** Famulatur [Medical clerkship] at the Emerging Infectious Diseases Pathology Activity, Division of Viral and Rickettsial Diseases, National Centers for Infectious Diseases, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA. Advisor: Assistant Prof. Sherif R. Zaki, MD, PhD.
- **August 1997:** Freie Mitarbeit [Laboratory rotation]. Institut für Organische Chemie [Institute of organic chemistry], Freie Universität Berlin, Berlin, Germany. Participation in projects concerning the ^{1}H-, ^{13}C-NMR, and mass spectroscopy of novel organic polymers. Advisor: Prof. Dr. rer. nat. A.-D. Schlüter.
- **July 1997:** Field trips to study sites at Fort Lewis (La Plata County, Southwest Colorado) and Molina (Mesa County, West Central Colorado), USA. Trapping of various rodents and examination of these rodents for infections with members of the genus *Hantavirus* under field biosafety level 3 (BSL-3) conditions. Goal: definition of Sin nombre virus epidemiology/epizoology. Advisor: Prof. Charles H. Calisher, PhD (Colorado State University, Fort Collins, Colorado, USA).
- **May – July 1997:** Freie Mitarbeit [Laboratory rotation] at the Arthropod-Borne and Infectious Diseases Laboratory, Colorado State University, Fort Collins, Colorado, USA. Participation in projects concerning the establishment of an infectious cDNA clone of LaCrosse virus and the characterization of RNA genome segment reassortment between LaCrosse virus and the related Snowshoe hare virus. Advisors: Prof. Barry Beaty, PhD, and Monica Borucki.
- **February – May 1997:** Pflegepraktikum [Volunteer in patient care] in the Emergency Center, Overlake Hospital Medical Center, Bellevue, Washington, USA. Volunteer coordinator: Mari-Pat Corrigan.
- **July – October 1996:** Freie Mitarbeit [Laboratory rotation] in the Division of Human Retrovirology, Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts, USA. Participation in projects concerning the definition of the quaternary structure of the transmembrane protein gp41 of HIV-1. Department chief: Prof. Joseph G. Sodroski, MD. Immediate advisors: Hye-Ryun Choe, PhD, and Michael R. Farzan.
- **Summer of 1996:** Praktikum [Course] at the Max-Planck-Institut für Molekulargenetik [Max Planck institute for molecular genetics], Berlin, Germany. Project: Characterization of tRNA-binding processes at the prokaryotic ribosome. Advisor: Prof. Dr. rer. nat. Knud H. Nierhaus.
- **July 1992 – October 1993:** Zivildienst [Social community service] at the Institut für Klinikhygiene, medizinische Mikrobiologie und klinische Infektiologie am Städtischen Krankenhaus Nürnberg Nord [Department of clinical hygiene, medical microbiology, and clinical infectiology at the northern city hospital of Nuremberg], Nuremberg, Bavaria, Germany. Projects: isolation and identification of clinical relevant bacteria, fungi and parasites; creation and supervision of type culture collections; processing of patient specimens; sterility tests of both clinical instruments and certain food products; minimum inhibitory concentration (MIC) determination experiments for the definition of the efficacy of the new antibiotic Meropenem; Mitbeteiligung am

bakteriologischen Ringversuch [Participation in national quality control tests]. Department chief: Priv.-Doz. Dr. med. Heinz-Michael Just. Immediate advisor: Dr. med. Daniela Lehnhardt.

Professional Recognition and Honors:

- *ad hoc* reviewer for *Antiviral Research* (Elsevier/North Holland Press, Amsterdam, The Netherlands), *Applied Biosafety—Journal of the American Biological Safety Association* (Mundelein, Illinois, USA), *Archives of Virology* (Springer, Vienna, Austria), *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science* (Mary Ann Liebert, New Rochelle, New York, USA), *Biotechnology Progress* (American Institute of Chemical Engineers, New York, New York, USA), *BMC Veterinary Research* (London), *British Microbiology Research Journal* (Sciencedomain International, Gurgayon, Haryana, India), *Database—The Journal of Biological Databases and Curation* (Oxford University Press, Oxford, UK), *DNA and Cell Biology* (Mary Ann Liebert, New Rochelle, New York, USA), *Frontiers in Public Health* (Lausanne), *Future Virology* (Future Medicine, London, UK), *International Journal of Microbiology* (Hindawi, Nasr City, Egypt), *Intervirology* (Karger, Basel, Switzerland), *JAMA—Journal of the American Medical Association* (American Medical Association, Chicago, Illinois, USA), *Journal of Applied Microbiology* (Blackwell Publishing, Hoboken, New Jersey, USA), *Journal of Forensic Sciences* (Blackwell Publishing, Chicago, Illinois, USA), *Journal of General Virology* (Society for General Virology, London, UK), *Journal of Virology* (ASM, Washington, DC, USA), *Healthcare* (Molecular Diversity Preservation International, Basel, Switzerland), *Immunotherapy* (Future Medicine, London, UK), *Nature Protocols* (Macmillan Press, London, UK), *Open Forum Infectious Diseases* (Oxford University Press, Oxford, UK), *PeerJ* (Corte Madera), *PLoS Neglected Tropical Diseases* (Public Library of Science, San Francisco, California, USA), *PLoS ONE* (Public Library of Science, San Francisco, California, USA), *PLoS Pathogens* (Public Library of Science, San Francisco, California, USA), *Science* (Washington, DC), *The Lancet. Infectious Diseases* (New York), *The Veterinary Journal* (Elsevier Press, New York, New York, USA), *Viral Immunology* (Mary Ann Liebert, New York, New York, USA), *Virologica Sinica* (Springer, Vienna, Austria), *Virology* (Elsevier Press, New York, New York, USA), *Virology Journal* (BioMed Central, London, UK), *Viruses* (Molecular Diversity Preservation International, Basel, Switzerland), *Wellcome Trust* (London, UK), and *Zoonoses and Public Health* (Berlin).
- **01/01/2015-12/31/2017:** Member, Editor Board, *Journal of Virology* (ASM Press, Washington, DC, USA).
- **12/05/2014-present:** Co-organizer, International Conference "*viruses 2016* - At the Forefront of Virus–Host Interactions", January 26-28, 2016, Pharmacenter, Basel, Switzerland.
- **12/04/2014-present:** Editor, SpringerPlus (Springer, Springer, Vienna, Austria).
- **09/23/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) *Bunyaviridae* Study Group.
- **09/10/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) *Bornaviridae* Study Group.
- **09/08/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) *Arenaviridae* Study Group.
- **08/31/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) *Nyamiviridae* Study Group.
- **07/29/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) Bacterial and Archaeal Viruses Subcommittee.
- **07/29/2014-present:** Member, International Committee on Taxonomy of Viruses (ICTV) Animal dsRNA- and ssRNA-Viruses Subcommittee.
- **07/29/2014-present:** Member, Executive Committee of the International Committee on Taxonomy of Viruses (ICTV).
- **06/03/2014-present:** Associate Editor (RNA Virology Section), *PLoS* [Public Library of Science] *Pathogens* (Public Library of Science, San Francisco, California, USA).
- **04/05/2014-06/03/2014:** Guest Editor, *PLoS* [Public Library of Science] *Pathogens* (Public Library of Science, San Francisco, California, USA).
- **01/01/2014-present:** Special Issue Editor, *Viruses – Advances in Filovirus Research 2014* (MDPI, Basel, Switzerland).
- **12/04-06/2013:** Subject Matter Expert (SME), US Department of State bioengagement mission to Turkey.
- **07/19/2013-present:** Editor, *Viruses* (MDPI, Basel, Switzerland).
- **05/28/2013-present:** Editor, *BioMed Research International* (Hindawi, New York, New York, USA).
- **03/05/2013-present:** Member, NCBI Genome Annotation – Virus Working Group, Bethesda, Maryland, USA.
- **02/27/2013-present:** Editor, *OA Virology* (Open Access Publishing London, London, UK).

- **02/25/2013-present:** Editor, *Вопросы вирусологии* [*Voprosy virusologii - Problems of Virology* (Medicina, Moscow, Russia).
- **02/12/2013-present:** Viral RefSeq Genome Advisor, order *Mononegavirales*, NCBI [National Center for Biotechnology Information] Reference Sequence Database (RefSeq), Bethesda, Maryland, USA.
- **01/24/2013-present:** Editor, *World Journal of Virology* (Baishideng Publishing, Hong Kong, China).
- **01/01/2013-present:** Editor, *Virologica Sinica* (Springer, Vienna, Austria).
- **09/28/2012-present:** Editor, *PLoS* [Public Library of Science] *ONE* (Public Library of Science, San Francisco, California, USA).
- **07/31/2012-present:** Editor, *Journal of Bioterrorism & Biodefense* (Los Angeles, California, USA).
- **05-06/06/2012:** Session Moderator and Poster Judge, FDA 1st Medical Countermeasures Regulatory Science Symposium, June 5-6, FDA Headquarters, Silver Spring, Maryland, USA.
- **04/20/2012-present:** Chair, International Committee on Taxonomy of Viruses (ICTV) *Mononegavirales* Study Group.
- **03/22/2012-08/28/2012:** Editor, *Conference Papers in Microbiology* (New York, New York, USA).
- **01/01/2012-12/31/2012:** Special Issue Editor, *Viruses – Advances in Filovirus Research 2012* (MDPI, Basel, Switzerland).
- **10/20/2011-present:** Chair, International Committee on Taxonomy of Viruses (ICTV) *Filoviridae* Study Group.
- **09/12/2011-present:** Officer of the International Union of Microbiological Societies (IUMS) responsible for Virology Division News (VDN); VDN Special Editor, *Archives of Virology* (Springer, Vienna, Austria).
- **08/25/2011:** Tunnell Consulting, Inc., Shining Star Award.
- **2011-present:** Observer and Subject Matter Expert, DoD/DHHS Filovirus Animal Non-Clinical Group (FANG).
- **2011-2012:** Special Issue Editor, *Viruses* (Basel, Switzerland), Special issue "*Advances in Filovirus Research*"
- **05/30/2011-06/01/2011:** Participant, first planning workshop for the project "Developing a Framework for an International Faculty Development Project on Education about Research in the Life sciences with Dual Use Potential" by the National Research Council of the US National Academy of Sciences, Trieste, Italy.
- **03/17/2010:** Tunnell Consulting, Inc., Shining Star Award.
- **2010:** Subject Matter Expert (SME), US Department of Homeland Security Bioterrorism Risk Assessment (DHS BTRA): Filoviruses.
- **2010:** Member, Reviewer Team for the Center for International and Security Studies at Maryland (CISSM) Experiments of Concern Portal (other members: Alan Pearson, Jonas Siegel, Kathryn Nixdorf, Richard Ebright).
- **01/13/2010-09/14/2011:** Member, International Committee on Taxonomy of Viruses (ICTV) *Filoviridae* Study Group (other members: Stephan Becker, Hideki Ebihara, Thomas Geisbert, Peter B. Jahrling, Yoshihiro Kawaoka, Thomas Ksiazek, Sergey Netesov, Stuart Nichol, Clarence J. Peters, and Viktor Volchkov).
- **2009-2011:** Member, *ad hoc* committee on "Animal Models for Assessing Countermeasures to Bioterrorism Agents", Institute for Laboratory Animal Research (ILAR), Division on Earth and Life Studies, The National Academies of Sciences, Washington, DC, USA (other members: George W. Korch, Jr. (chair), Steven M. Niemi, Nicholas H. Bergman, Daniel J. Carucci, Susan A. Ehrlich, Gigi Kwik Gronvall, Thomas Hartung, Elizabeth Heitman, Malak Kotb, C. Rick Lyons, Stephen S. Morse, Frederick A. Murphy, Vikram S. Patel, and James R. Swearengen).
- **2007-2008:** Principal Investigator, New England Regional Center for Excellence/Biodefense and Emerging Diseases (NERCE/BEID) Career Development Fellowship "IDENTIFICATION OF CELL-SURFACE RECEPTORS OF NIAID PRIORITY PATHOGENS".
- **2006-10/31/2009:** Member of the Center for Arms Control and Nonproliferation's CBW Scientist Working Group, Washington, DC, USA (other members: Marie Chevrier, David Fidler, Martin Furmanski, John Gilbert, Elisa D. Harris, Lynn Klotz, Gregory Koblentz, Milton Leitenberg, James Leonard, Jack Melling, Alan Pearson, Barbara Hatch Rosenberg, Kathleen M. Vogel, Mark Wheelis, and Jack Woodall).
- **2006:** Nominator for the MacArthur Fellow Program, The John D. and Catherine T. MacArthur Foundation, Chicago, Illinois, USA.
- **2005-2007:** Principal Investigator, New England Regional Center for Excellence/Biodefense and Emerging Diseases (NERCE/BEID) Career Development Fellowship "IDENTIFICATION OF CELL-SURFACE RECEPTORS OF NIAID PRIORITY PATHOGENS".
- **2004-2008:** Regular invitee to the monthly "MIT Faculty Dinner Series on Biosecurity," Massachusetts Institute of Technology, Cambridge, Massachusetts, USA.
- **2004-present:** Member of the Editorial Board, Applied Biosafety – Journal of the American Biological Safety Association (Mundelein, Illinois, USA).

- **2002:** Member of the scientific committee of the symposium "Facing the Threat by Intentionally Spread Microorganisms", November 30 – December 1, Institut für Infektionsmedizin [Institute of Medicine of Infection], Universitätsklinikum Benjamin Franklin [Benjamin Franklin Medical Center], Freie Universität Berlin, Germany.
- **2000:** Invitation to attend the UNESCO Lecture "The Jerusalem Declaration on Science for Peace. A UNESCO Initiative to Prevent the Abuse of Biological Knowledge. The Jerusalem Statement on the Need to Eliminate Weapons of Mass Destruction and to Prevent the Misuse of Biological and Chemical Sciences", given by Prof. Dr. Yechiel Becker (The Hebrew University of Jerusalem, Israel) on June 27 at the Department of Medicine, Freie Universität Berlin, Berlin, Germany.
- **1999:** Representative of the Department of Medicine, Freie Universität Berlin, Germany, at the 49th Meeting of Nobel Laureates, June 28 – July 2, Lindau, Germany.

Clearances:
- **06/23/2011-present:** US Access National Agency Check and Inquiries (ANACI) Clearance
- **06/30/2008-present:** Approval for Access to Select Agent(s) and/or Toxins (US Department of Justice ID: C-JK-030319)

Special Training:
- **1999:** Attendant of the 1999 Satellite Broadcast: "Biological Warfare and Terrorism – The Military and Public Health Response", September 21-23. Organized by the Food and Drug Administration, the Centers for Disease Control and Prevention, and the United States Research Institute of Infectious Diseases. Passing of the concomitant exam.
- **1998:** Laboratory Safety Operations Training (Biosafety Levels 3 and 4) at the United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland, USA.
- **1998:** ILC Dover Chemturion Encapsulation Suit Training for Protection in Biosafety Level 4 Environments at the United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland, USA.
- **1998:** RACAL Respiratory Protection Course at the United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland, USA.
- **1998:** Investigator Training Seminar: "Laboratory Animal Care and Use" at the United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland, USA.
- **1997:** Insectary training at the Arthropod-Borne and Infectious Diseases Laboratory, Colorado State University, Fort Collins, Colorado, USA.
- **1996:** Laboratory Safety Operations Training (Biosafety Level 3) at the Dana-Farber Cancer Institute, Harvard Medical School, Boston, Massachusetts, USA.

Briefings:
- **04/06/2011:** Filovirus Prototype Establishment for Biodefense R&D Standardization. Briefing to the US Department of Defense (DoD) Defense Threat Reduction Agency (DTRA), Alexandria, Virginia, USA (90 min).
- **02/15/2011:** Virus Prototype Establishment for Biodefense R&D Standardization. Briefing to the The Tauri Group, Alexandria, Virginia, USA (90 min).
- **11/15/2009:** Filovirus Animal Models. Closed briefing for the National Academy of Sciences Workshop "Animal Models for Assessing Countermeasures to Bioterrorism Agents," Washington, DC, USA (60 min).
- **06/21/2007:** The transformation of the former Soviet biological-weapons research facility SRCVB "Vector". Battelle briefing to government client, Baltimore area, MD, USA (120 min).
- **06/21/2007:** Ebolaviruses and marburgviruses – Public health threat and BW threat assessment. Battelle briefing to government client, Baltimore area, MD, USA (120 min).
- **06/21/2007:** Introduction to viral hemorrhagic fever agents. Battelle briefing to government client, Baltimore area, MD, USA (60 min).

Guest Lectures/Seminars:
- **12/19/2014:** Ebola virus and other filoviruses – myths, facts, and threats. Christmas Lecture 2014 of the Austrian Chapter of the American Society for Microbiology (ASM), Austrian Agency for Health and Food Safety (AGES), Vienna, Austria (60 min.).
- **12/01/2014:** The explosion of viral genomics data: A need for consistent annotation and nomenclature synthesizing ICTV and NCBI requirements. Presented at the NICBR [National Interagency Confederation for Biological Research] Symposium "The expanding role of deep sequencing on biological research: A plethora of 'omics' words", December 1, Fort Detrick, Frederick, Maryland, USA (20 min.).

- **10/29/2014:** Overview of the diversity, cross-species transmission, and pathologic potential of taxonomically distinct simian arteriviruses. Presented at 中国科学院第六届新生病毒性疾病控制学术研讨会 [Zhōngguó kēxuéyuàn dì liù jiè xīnshēng bìngdú xìng jíbìng kòngzhì xuéshù yántǎo huì/The 6th Symposium on Emerging Viral Diseases], October 29-31, Wǔhàn, Húběi Province, China (20 min.)
- **07/29/2014:** Progress and challenges in filovirus taxonomy. Presented at the XVIth International Congress of Virology, July 27 – August 1, Montréal, Québec, Canada (15 min).
- **07/22/2014:** Barriers to Bioweapons – The Case of Filoviruses. Lecture presented as part of the Summer Professional Course IS 0300 "Pandemics, Bioterrorism, and International Security", July 21-23, George Mason University, Arlington, Virginia, USA (120 min).
- **08/23/2013:** Filovirus Epidemiological/Clinical Research and Numbers – Real or Misinterpreted? Presented at the Filovirus Medical Countermeasures (MCM) Workshop, August 22-23, Fishers Lane Conference Center, Rockville, Maryland, USA (40 min).
- **07/22/2013:** Barriers to Bioweapons – The Case of Filoviruses. Lecture presented as part of the Summer Professional Course HSEC 0300 F02 "Pandemics, Bioterrorism, and International Security", July 22-24, George Mason University, Fairfax, Virginia, USA (120 min).
- **10/29/2012:** The US NIH/NIAID Integrated Research Facility at Fort Detrick (IRF-Frederick) – Capabilities and Opportunities for Collaboration. Presented at 北京生命科学研究所 [National Institute of Biological Sciences (NIBS)], Beijing, China (45 min).
- **10/26/2012:** The US NIH/NIAID Integrated Research Facility at Fort Detrick (IRF-Frederick) – Capabilities and Opportunities for Collaboration. Presented at 中国科学院第五届新生病毒性疾病控制学术研讨会 [The 5th Symposium on Emerging Viral Diseases], October 24-27, Wǔhàn, Húběi Province, China (35 min).
- **10/25/2012:** Virion-like Particles as a Platform for Vaccines against Ebola- and Marburgviruses. Presented at 中国科学院第五届新生病毒性疾病控制学术研讨会 [The 5th Symposium on Emerging Viral Diseases], October 24-27, Wǔhàn, Húběi Province, China (35 min).
- **09/14/2012:** Novel Science and Social Science Approaches to Assess Biotechnology and Bioweapons Threats - Literature Analysis as the Basis for Biological Threat Assessments. Lecture presented at the US-UK Joint Workshop on Improving Intelligence Analysis for Emerging Biotechnology Threats, September 12-14, London, UK (20 min + 60 min discussion).
- **07/23/2012:** Barriers to Bioweapons – The Case of Filoviruses. Lecture presented as part of the Summer Professional Course HSEC300 "Pandemics, Bioterrorism, and International Security", July 23-25, George Mason University, Fairfax, Virginia, USA (120 min).
- **11/01/2011:** Examples for Successful International Collaborations: US-Russia 2001. International Engagement: Responsible Bioscience for a Safe and Secure Society. Workshop three organized by the American Association for Advancement in Science and the Institut Pasteur de Tunis, October 31 – November 1, Tunis, Tunisia (15 min). → See http://www.aaas.org/cstsp/publications/
- **08/08/2011:** Simian hemorrhagic fever virus as a model for human viral hemorrhagic fevers under biosafety level 2 conditions. «ФУНДАМЕНТАЛЬНЫЕ И ПРИКЛАДНЫЕ АСПЕКТЫ МЕДИЦИНСКОЙ ПРИМАТОЛОГИИ» - Второй международной научной конференции [2nd international conference "Fundamental and applied aspects of medical primatology"], August 8-10, Sochi-Adler, Krasnodar Krai, Russia. (20 min)
- **07/26/2011:** Barriers to Bioweapons – The Case of the Filoviruses. Lecture presented as part of the MIT Summer Professional Program 17.60s "Pandemics and Bioterrorism: From Realistic Threats to Effective Policies", July 25-27, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (120 min).
- **05/26/2011:** Mining the Filovirus Bibliome - Important Insights Gained from Analyzing Literature Not Indexed in PubMed. Uniformed Services University of the Health Sciences (USUHS), Department of Medical History, Bethesda, Maryland, USA (60 min)
- **05/24/2011:** Science and Security – Friends or Foes? American Association for the Advancement of Science (AAAS) Center for Science, Technology, and Security Policy Monthly DC Biosecurity Meeting, Washington, DC, USA (15 min + 60 min discussion)
- **05/06/2011:** Marburg and Ebola viruses – myths, facts, and fiction. South Dakota State University, Sioux City, South Dakota, USA (90 min + discussion)
- **04/20/2011:** Filoviruses, Bioweapons Development, and Arms Control. Guest lecture for class BSOC 4711, "The Dark Side of Biology: Biological Weapons, Bioterrorism, and Biocriminality", Cornell-in-Washington, Washington, DC, USA (120 min)
- **03/24/2011:** Filoviruses in the NIH Work Environment. Special OMS [Occupational Medical Services] Seminar. National Institutes of Health (NIH), Bethesda, Maryland, USA (90 min)

- **07/27/2010:** Barriers to Bioweapons – The Case of the Filoviruses. Lecture presented as part of the MIT Summer Professional Program 17.60s "Pandemics and Bioterrorism: From Realistic Threats to Effective Policies", July 26-28, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (120 min).
- **04/21/2010:** Ebolavirus Δ-Peptides Modulate Filovirus Cell Entry. 5th International Symposium on Filoviruses, April 18-21, Sheraton Miyako Hotel, Tokyo, Japan (15 min)
- **04/08/2010:** Discussion of Three New Books on Biological Weapons Science and Policy - Filoviruses: A Compendium of 40 Years of Epidemiological, Clinical, and Laboratory Studies. Sponsored by the Monterey Institute and George Washington University. The Stimson Center, Washington, DC, USA (10 min + 90 min discussion).
- **12/16/2009:** Increasing Transparency Through Scientific Collaboration - The Transformation of a Former USSR Bioweapons Laboratory. Technische Universität Darmstadt [Technical University Darmstadt], Darmstadt, Hesse, Germany (20 min + 20 min discussion).
- **12/16/2009:** Preventing the Misuse of Gene/Genome Synthesis – Is It Possible and Necessary? Technische Universität Darmstadt [Technical University Darmstadt], Darmstadt, Hesse, Germany (20 min + 20 min discussion).
- **07/27/2009:** Barriers to Bioweapons – The Case of the Filoviruses. Lecture presented as part of the MIT Summer Professional Program 17.60s "Pandemics and Bioterrorism: From Realistic Threats to Effective Policies", July 27-29, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (120 min).
- **07/11/2009:** Ebolaviral Δ-Peptides Interfere with Filovirus Cell Entry. 28th Annual Meeting of the American Society for Virology, July 11-15, The University of British Columbia, Vancouver, British Columbia, Canada (15 min).
- **11/11/2008:** Alternatives to Having a Regular Career in Virology – How important is Background Diversity? Istituto di Ricerca in Biomedicina Annual Student Retreat 2008, Hof de Planis, Switzerland (90 min).
- **07/12/2008:** Receptor determinants of zoonotic transmission of New World hemorrhagic fever arenaviruses. 27th Annual Meeting of the American Society for Virology, July 12-16, Ithaca, New York, USA (15 min).
- **11/08/2007:** Marburg- and Ebolaviruses – Myths, Facts, and Threats. An Open-source Analysis. Biological Threat Characterization Center (BTCC), National Biodefense Analysis and Countermeasures Center (NBACC), Frederick, Maryland, USA (120 min)
- **10/19/2007:** Open-source Analysis: Lessons from "Ebola." Transparency and Secrecy in Biodefense and Dual-use Life Sciences Research – Past and Present Practices, October 19, George Mason University, Arlington, Virginia, USA (15 min)
- **09/05/2007:** Filoviral Receptor-Binding Domains are Promising Subunit Vaccine Candidates. Third European Congress of Virology, September 1-5, CCN CongressCenter Nürnberg, Nuremberg, Bavaria, Germany (15 min).
- **07/24/2007:** Barriers to Bioweapons – The Case of the "Ebola virus". Lecture presented as part of the MIT Summer Professional Program 17.60s "Combating Bioterrorism / Pandemics: Implementing Policies for Biosecurity", July 23-25, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (120 min).
- **05/08/2007:** Maximum Containment Facilities – Sense and Nonsense, Risks and Benefits. MIT Faculty Dinner Series on Biosecurity, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (60 min)
- **04/17/2007:** Filoviral Receptor-Binding Domains are Promising Subunit Vaccine Candidates. 4th Annual NIAID [National Institute of Allergy and Infectious Diseases] RCE [Regional Centers of Excellence for Biodefense and Emerging Infectious Diseases] Research Meeting, April 15-17, Hyatt Regency Hotel at Union Station, St. Louis, Missouri, USA (15 min).
- **02/12/2007:** Entry-inhibitory effects of filoviral receptor-binding domains and soluble glycoproteins. United States Army Medical Research Institute of Infectious Diseases (USAMRIID), Fort Detrick, Frederick, Maryland, USA (60 min).
- **10/30/2006:** Determination and Evaluation of Filoviral Receptor-binding Domains (RBDs) and RBD-containing Soluble Glycoproteins as Possible Inhibitors of Infection and Vaccine Candidates. NERCE/BEID [New England Regional Center of Excellence/Biodefense and Emerging Infectious Diseases] and NBC [Northeast Biodefense Center] Third Annual Retreat, October 29-31, The Sagamore on Lake George at Bolton Landing, New York, USA (15 min).
- **10/27/2006:** Integration of Former Soviet Biowarfare Facilities into the International Research Community. Success or Failure? Princeton University Carnegie Biodefense Seminar, Woodrow Wilson School of Public and International Affairs, Princeton University, Princeton, New Jersey, USA (90 min).
- **07/25/2006:** Barriers to Bioweapons – The Case of the "Ebola virus". Lecture presented as part of the MIT Summer Professional Program 17.60s "Combating Bioterrorism / Pandemics: Implementing Policies for Biosecurity", July 24-26, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (105 min).

- **07/16/2006:** Lake Victoria marburgvirus and Zaire ebolavirus attach to a common cell-entry factor. American Society for Virology 25th Annual Meeting – SCIENTIFIC PROGRAM & ABSTRACTS, July 15-19, Monona Terrace Convention Center, University of Wisconsin-Madison, Madison, Wisconsin, USA (15 min).
- **03/30/2006:** Bioengineered Threats – Facts and Fiction. Dartmouth Medical School, Hanover, New Hampshire, USA (120 min).
- **03/27/2006:** Conserved Receptor-Binding Domains of Filoviruses Bind a Common Receptor. Regional Centers for Biodefense and Emerging Infectious Diseases Research Third Annual Meeting, March 26-28, Sheraton New York Hotel and Towers, New York City, New York, USA (15 min).
- **11/15/2005:** Marburgviruses and Ebolaviruses – Filoviruses and Pop Culture. Massachusetts Institute of Technology Lincoln Laboratory, Lexington, Massachusetts, USA (120 min).
- **11/07/2005:** Lake Victoria marburgviruses and Zaire Ebolaviruses attach to a common cell-entry factor. Harvard Medical School Department of Microbiology and Molecular Genetics Monday Talk, Harvard Medical School, Boston, Massachusetts, USA (20 min).
- **10/26/2005:** Lake Victoria marburgviruses and Zaire Ebolaviruses attach to a common cell-entry factor. Medizinische B-Schutz-Tagung 2005—Biological Medical Defense Conference 2005, October 26-27, Ernst-von-Bergmann Kaserne [Ernst-von-Bergmann barracks], Munich, Bavaria, Germany (20 min).
- **10/21/2005:** Qualitative and Quantitative Assessment of the "Dangerous Activities" Categories Defined by the CISSM Controlling Dangerous Pathogens Project. Workshop on Protective Oversight of Dual-Use Research, October 21. American Academy of Arts and Sciences, and Center for International and Security Studies at Maryland (CISSM), Cambridge, Massachusetts, USA (20 min + 40 min discussion).
- **09/29/2005:** Marburgviruses and Ebolaviruses – History, Fiction, and the Facts. MIT Faculty Dinner Series on Biosecurity, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA (45 min)
- **08/26/2004:** Global Biosecurity – Oversight, International Collaboration and Integration of Scientists to Prevent Biological Weapons Attacks. Session Infectious Disease in an Expanding Europe, organized by Alison Abbott, Nature, Germany. EuroScience Open Forum 2004 – First Pan-European General Science Meeting, August 25-28, Stockholm, Sweden (30 min, plus round table discussion with Stefan Kaufmann, Ragnar Norrby, Albert Osterhaus, and Hans Wigzell, plus international press conference).
- **12/01/2002:** Where to go to learn (enhancing global biosecurity). Symposium "Facing the Threat by Intentionally Spread Microorganisms", November 30 – December 1, Institut für Infektionsmedizin [Institute of Medicine of Infection], Universitätsklinikum Benjamin Franklin [Benjamin Franklin Medical Center], Freie Universität Berlin, Germany (20 min).
- **03/12/2002:** In German: Umstellung von militärischer auf zivile Forschung am Beispiel eines russischen B-Waffen-Labors [A Russian bioweapons laboratory as an example for conversion of military to civilian research]. Infotag B-Waffen – Wie ernst ist die Gefahr? [Briefing bioweapons – How serious is the threat?], DECHEMA e.V. – Gesellschaft für Chemische Technik und Biotechnologie [DECHEMA – Society for chemical technology and biotechnology], Ausschuss „Biotechnologie und Gesellschaft" [Panel "Biotechnology and society"], Taunustor Conference Center, Frankfurt am Main, Hesse, Germany (35 min).
- **11/07/2001:** In German: Erste Schritte in Richtung eines Wissenschaftleraustauschs mit ehemaligen Biowaffenlaboratorien Russlands im Rahmen internationaler Abrüstungsbemühungen [First steps towards an exchange of researchers with former Russian bioweapons laboratories within international disarmament efforts] (30min). Bioterrorismus – Wissenschaftliche Sondersitzung in Zusammenarbeit mit der Ärztekammer Berlin, UKBF der Freien Universität Berlin, der Berliner Mikrobiologischen Gesellschaft und der Berliner Wissenschaftlichen Gesellschaft [Bioterrorism – Scientific special session in collaboration with the chamber of medical doctors of Berlin, the university hospital Benjamin Franklin of Freie Universität Berlin, the Berlin society of microbiology, and the Berlin society of science], Universitätsklinikum Benjamin Franklin, Freie Universität Berlin, Berlin, Germany (20 min).
- **07/19/2000:** In German: Biologische Kriegsführung und Bioterrorismus [Biological warfare and bioterrorism]. Freie Universität Berlin, Germany, Department of Infectious Diseases Lecture Series for Medical Students (90min).
- **05/30/2000:** In German: Ebola- und Marburg-Viren als Beispiele für den Mißbrauch biologischer Erkenntnisse [Ebola and Marburg viruses as examples for the misuse of biological knowledge]. Freie Universität Berlin, Germany, Department of Infectious Diseases Seminar Series (60min).

Public Outreach:

- **08/26/2004:** Bioweapons – a great threat or useful defense? Science in the City. VA! Dialogue between the Young Public and Scientists. EuroScience Open Forum 2004 – First Pan-European General Science Meeting, August 25-28, Stockholm, Sweden (30 min).

- **11/13/2007:** Deadly Viruses? Café Sci, organized by WGBH TV/Nova Productions at the Thirsty Scholar Pub, Somerville, Massachusetts, USA. (30 min).

Conference/Symposia/Workshop Attendances Without Oral or Poster Presentations:

- **2014:** US National Academies of Sciences (NAS) and Indian National Science Academy (INSA) Joint "Indo-U.S. Workshop on Challenges of Emerging Infections and Global Health Safety", November 18-20, New Delhi, India.
- **2013:** American Association for the Advancement of Science (AAAS) Workshop "International Biosecurity: Engagement between American and MENA [Middle Eastern/North African] Scientists", June 9-10, Amman, Jordan.
- **2013:** American Association for the Advancement of Science (AAAS) and Moroccan Biosafety Association (MOBSA) Joint Workshop "International Biosecurity: Engagement between American and MENA [Middle Eastern/North African] Scientists", May 18-19, Casablanca, Morocco. → See http://www.aaas.org/cstsp/publications/
- **2013:** 5th NCBI Genome Submission and Annotation Workshop, March 4-5, National Institutes of Health, Bethesda, Maryland, USA.
- **2012:** FDA 1st Medical Countermeasures Regulatory Science Symposium, June 5-6, FDA Headquarters, Silver Spring, Maryland, USA.
- **2009:** NIAID Support Workshop on Infectious Disease Imaging, February 1-3, Hyatt Regency Hill Country, San Antonio, Texas, USA.
- **2007:** Second Boston-Area Bioterrorism Meeting, October 10, Boston, Massachusetts, USA.
- **2006:** The National Academies' Committee on a New Government-University Partnership for Science and Security – Northeast Regional Meeting, May 15-16, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA.
- **2005:** 3rd Annual Conference "Medicine in the Time of Bioterrorism", November 18, Center for Biodefense and Emerging Pathogens, Brown University, Marriott Hotel, Providence, Rhode Island, USA.
- **2005:** The Politicization of Science, November 9, Harvard Medical Ethics Forum, Harvard Medical School, Boston, Cambridge, Massachusetts, USA.
- **2004:** Medizinische B-Schutz-Tagung 2004—Biological Medical Defense Conference 2004, October 20-21, Ernst-von-Bergmann Kaserne [Ernst-von-Bergmann barracks], Munich, Bavaria, Germany.
- **2004:** Third French-American Innovation Day "Fighting emerging and re-emerging infectious diseases", March 3, Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts, USA.
- **2003:** Third Annual Cooperative Biological Research Program Review, July 15-17, State Research Center of Ultra-Pure Biopreparations, St. Petersburg, Russia.
- **2003:** 16th International Conference on Antiviral Research, April 27-May 1, Savannah Marriott Riverfront Hotel, Savannah, Georgia, USA.
- **2000:** Steglitzer Infektions-Dialog: Infektionen als Ursache permanenter Hörstörungen im Kindesalter [Steglitz infectious diseases symposium: Infections as the cause of permanent hearing disabilities during childhood], October 25, Universitätsklinikum Benjamin Franklin [Benjamin Franklin Medical Center], Freie Universität Berlin, Berlin, Germany.
- **2000:** Protection Against Microbial Threats – Inauguration of the Swedish Containment Laboratories, Smittskyddsinstitutet, October 8-10, Stockholm, Sweden.
- **2000:** Symposium on Marburg and Ebola Viruses, Philipps-Universität Marburg, October 1-4, Marburg an der Lahn, Hesse, Germany.
- **1999:** Human Herpesvirus Infections – Molecular, Immunological and Clinical Aspects, May 29, Berlin, Germany.
- **1998:** 17th Annual Meeting of the American Society for Virology, July 11-15, Vancouver, British Columbia, Canada.
- **1996:** 4th Symposium on Gene Therapy, April 18-20, Berlin-Buch, Germany.

Books:

1. **Leitenberg, Milton and Raymond A. Zilinskas with Jens H. Kuhn.** 2012. THE SOVIET BIOLOGICAL WEAPONS PROGRAM – A HISTORY. Harvard University Press, Cambridge, Massachusetts, USA.
2. **Korch, George W., Jr., Steven M. Niemi, Nicholas H. Bergman, Daniel J. Carucci, Susan A. Ehrlich, Gigi Kwik Gronvall, Thomas Hartung, Elizabeth Heitman, Malak Kotb, Jens H. Kuhn, C. Rick Lyons, Stephen S. Morse, Frederick A. Murphy, Vikram S. Patel, and James R. Swearengen (the Committee).** 2011. ANIMAL MODELS FOR ASSESSING COUNTERMEASURES TO BIOTERRORISM AGENTS.

Institute for Laboratory Animal Research (ILAR), Division on Earth and Life Studies, The National Academies of Sciences (NAS), Washington, DC, USA.

3. **Kuhn, Jens H. (author), Charles H. Calisher (editor), Aleksandr P. Agafonov, M. Javad Aman, Kevin Anderson, Daniel G. Bausch, Sina Bavari, Yevgenii F. Belanov, Matthias Borchert, Joel G. Breman, Alexander A. Bukreyev, Kartik Chandran, Robert Colebunders, Heinz Feldmann, Claude Fauquet, Thomas W. Geisbert, Jean-Paul Gonzalez, Mark Gorwitz, Barry S. Hewlett, David L. Heymann, Frank Hufert, M. Sofi Ibrahim, Tetsuro Ikegami, Peter B. Jahrling, Barbara Johnson, Karl M. Johnson, Alla V. Kachko, Elliot J. Lefkowitz, Eric M. Leroy, Loreen L. Lofts, Shigeru Morikawa, Elke Mühlberger, Frederick A. Murphy, Jean-Jacques Muyembe-Tamfum, Sergei V. Netyosov, Gene G. Olinger, Jr., Sheli R. Radoshitzky, Yurii N. Rassadkin, Yelena I. Ryabchikova, Jean-François Saluzzo, Aleksandr N. Sergeyev, Aleksandr M. Shestopalov, Werner Slenczka, Aleksandr V. Sorokin, Ute Ströher, Ayato Takada, Vladimir A. Ternovoi, Aleksandr S. Vladyko, Viktor Ye. Volchkov, Guido van der Groen, and Manfred Weidmann (reviewers and co-editors).** 2008. Filoviruses – A Compendium of 40 Years of Epidemiological, Clinical, and Laboratory Studies. Archives of Virology Supplementa, vol. 20. SPRINGERWienNewYork, Vienna, Austria. PMID: 18637412.

Edited Books:

1. **Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.).** 2014. Global Virology. Springer, New York, New York, USA. **In press.**
2. **Kuhn, Jens H. and Sina Bavari (eds.)** 2013. Advances in Filovirus Research 2012. MDPI, Basel, Switzerland.

Other Publications:

1. **Janosko, Krisztina, Michael R. Holbrook, Jason Barr, Laura Bollinger, Je T'aime Newton, Corrie Ntiforo, Linda Coe, Lisa E. Hensley, Peter B. Jahrling, Jens H. Kuhn, and Matthew G. Lackemeyer.** 2014. Safety Precautions and Operating Procedures in an (A)BSL-4 Laboratory: 1. Biosafety level 4 suit laboratory suite entry and exit procedures. JoVE - Journal of Visualized Experiments (Boston). **In press.**
2. **Borca, Manuel, Cyril Gay, Guillermo Risatti, Donald O'Toole, Hong Li, Jens H. Kuhn, Charles E. Lewis, Christina Loiacono, and David White**. 2014. Viral Hemorrhagic Fevers of Animals Caused By DNA Viruses. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
3. **Honko, Anna N., Peter B. Jahrling, Jens H. Kuhn, Sheli R. Radoshitzky, and Joshua C. Johnson.** 2014. Arenaviruses. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
4. **Falk, Knut, Maria Aamelfot, Ole Bendik Dale, Theodore R. Meyers, Sally Ann Iverson, William R. White, Laura Bollinger, Peter B. Jahrling, Jens H. Kuhn, Charles Lewis, Christina Loiacono, and David White**. 2014. Viral Hemorrhagic Fevers of Animals Caused By Negative-Stranded RNA Viruses. In *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
5. **Van Campen, Hana, Guillermo Risatti, Manuel Borca, Peter Kerr, Tanja Strive, Peter B. Jahrling, Jens H. Kuhn, Charles E. Lewis, Christina M. Loiacono, and David White**. 2014. Viral Hemorrhagic Fevers of Animals Caused By Positive-Stranded RNA Viruses. In *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
6. **Miller, Myrna, William Lagreid, Jens H. Kuhn, Charles E. Lewis, Christina Loiacono, and David White**. 2014. Viral Hemorrhagic Fevers of Animals Caused by Double-Stranded RNA Viruses. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
7. **Carocci, Margot, Jens H. Kuhn, Priscilla L. Yang.** Flaviviruses – Introduction to Dengue viruses. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
8. **Kindrachuk, Jason, Jens H. Kuhn, and Peter B. Jahrling**. The Role of Viral Protein Phosphorylation During Filovirus Infection. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**
9. **Whitehouse, Chris, Jens H. Kuhn, Jiro Wada, and Koray Ergunay**. Family *Bunyaviridae*. *In* Shapshak, Paul, John Sinnott, Charurut Somboonwit, and Jens H. Kuhn (eds.). Global Virology. Springer, New York, New York, USA. **In press.**

10. **Kuhn, Jens H., and Clarence J. Peters.** Arthropod-borne and Rodent-Borne Virus Infections, chapter 233. *In* Kasper, Dennis L., Anthony S. Fauci, Stephen L. Hauser, Dan L. Longo, J. Larry Jameson, and Joseph Loscalzo (eds.), Harrison's Principles of Internal Medicine, 19th edition, vol. 2. **In press.**
11. **Kuhn, Jens H.** Ebolaviruses and Marburgviruses, chapter 234. *In* Kasper, Dennis L., Anthony S. Fauci, Stephen L. Hauser, Dan L. Longo, J. Larry Jameson, and Joseph Loscalzo (eds.), Harrison's Principles of Internal Medicine, 19th edition, vol. 2. **In press.**
12. **Kugelman, Jeffrey R., Mariano Sanchez-Lockhart, Kristian G. Andersen, Stephen Gire, Daniel J. Park, Rachel Sealfon, Aaron E. Lin, Shirlee Wohl, Pardis C. Sabeti, Jens H. Kuhn, and Gustavo F. Palacios.** 2015. Evaluation of the Potential Impact of Ebola Virus Genomic Drift on the Efficacy of Sequence-Based Candidate Therapeutics. mBIO (Washington, DC) **6(1):** e02227-14 [Epub Jan. 20, 2015].
13. **Kuhn, Jens H., John Misasi John, Peter Jahrling, and James Lawler**. 2014. Marburgviruses and Ebolaviruses. *In* Southwick, Frederick S., Bernard Hirschel, Adolf W. Karchmer, Carol A. Kauffman, and Richard P. Wenzel (eds.). CDS:ID [Clinical Decision Support: Infectious Diseases], 2nd ed. Decision Support in Medicine, LLC. Wilmington, Delaware, USA. https://www.decisionsupportinmedicine.com
14. **Kindrachuk, Jason, Britini Ork, Brit J. Hart, Steven Mazur, Michael R. Holbrook, Matthew B. Frieman, Dawn Traynor, Reed F. Johnson, Julie Dyall, Jens H. Kuhn, Gene G. Olinger, Lisa E. Hensley, and Peter B. Jahrling.** 2015. The Antiviral Potential of ERK/MAPK and PI3K/AKT/mTOR Signaling Modulation for MERS-CoV Infection as Identified by Temporal Kinome Analysis. Antimicrobial Agents and Chemotherapy (Washington, DC) [Epub Dec. 8, 2014]. PMID: 25487801.
15. **Kuhn, Jens H., Ralf Dürrwald, Yīmíng Bào, Thomas Briese, Kathryn Carbone, Anna N. Clawson, Joseph L. deRisi, Wolfgang Garten, Peter B. Jahrling, Jolanta Kolodziejek, Dennis Rubbenstroth, Martin Schwemmle, Mark Stenglein, Keizo Tomonaga, Herbert Weissenböck, and Norbert Nowotny.** 2015. Taxonomic reorganization of the family *Bornaviridae*. Archives of Virology (Vienna) [Epub Dec. 2, 2014]. PMID: 25449305.
16. **Kuhn, Jens H., Kristian G. Andersen, Sylvain Baize, Yīmíng Bào, Sina Bavari, Nicolas Berthet, Olga Blinkova, J. Rodney Brister, Anna N. Clawson, Joseph Fair, Martin Gabriel, Robert F. Garry, Stephen K. Gire, Augustine Goba, Jean-Paul Gonzalez, Stephan Günther, Christian T. Happi, Peter B. Jahrling, Jimmy Kapetshi, Gary Kobinger, Jeffrey R. Kugelman, Eric M. Leroy, Gael Darren Maganga, Placide K. Mbala, Lina M. Moses, Jean-Jacques Muyembe-Tamfum, Magassouba N'Faly, Stuart T. Nichol, Sunday A. Omilabu, Gustavo Palacios, Daniel J. Park, Janusz T. Paweska, Sheli R. Radoshitzky, Cynthia A. Rossi, Pardis C. Sabeti, John S. Schieffelin, Randal J. Schoepp, Rachel Sealfon, Robert Swanepoel, Jonathan S. Towner, Jiro Wada, Nadia Wauquier, Nathan L. Yozwiak, and Pierre Formenty.** 2014. Nomenclature- and database-compatible names for the two Ebola virus variants that emerged in Guinea and the Democratic Republic of the Congo in 2014. Viruses (Basel) **6(11):** 4760-4799 [Epub Nov. 24, 2014].
17. **Kuhn, Jens H., Loreen L. Lofts, Jeffrey R. Kugelman, Sophie J. Smither, Mark S. Lever, Guido van der Groen, Karl M. Johnson, Sheli R. Radoshitzky, Sina Bavari, Peter B. Jahrling, Jonathan S. Towner, Stuart T. Nichol, and Gustavo Palacios.** 2014. Reidentification of Ebola virus E718 and ME as Ebola virus/H.sapiens-tc/COD/1976/Yambuku-Ecran. Genome Announcements (Washington, DC) **2(6):** e01178-14 [Epub Nov. 20, 2014]. PMID: 25414499.
18. **Caì, Yíngyún, Shuǐqìng Yú, Elena N. Postnikova, Steven Mazur, John G. Bernbaum, Robin Burk, Téngfēi Zhāng, Sheli R. Radoshitzky, Marcel A. Müller, Ingo Jordan, Laura Bollinger, Lisa E. Hensley, Peter B. Jahrling, and Jens H. Kuhn.** 2014. CD26/DPP4 Cell-surface Expression in Bat Cells Correlates with Bat Cell Susceptibility to Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Infection and Evolution of Persistent Infection. PLoS [Public Library of Science] ONE (San Francisco) **9(11):** e112060 [Epub Nov. 19, 2014]. PMID: 25409519.
19. **Kuhn Jens H., and John P. Woodall.** 2014. Ebola Virus Disease. *In* Wertheim, Heiman F. L., Peter Horby, John P. Woodall, and Simon I. Hay (eds.). Atlas of Human Infectious Diseases. Wiley-Blackwell Publishing, Hoboken, New Jersey, USA. [Online.] www.infectionatlas.com [10/31/2014, last accessed.]
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3. **Radoshitzky, Sheli R., Gianluca Pegoraro, Xiǎolì Chī, Lián Dǒng, Chih-Yuan Chiang, Jeremiah Clester, Christopher Cooper, Krishna Kota, Jens Kuhn, and Sina Bavari.** 2014. Actin-mediated transport of alphavirus glycoproteins to the cell surface is dependent on Rac1, Arp3, and PIP5K1-α, p 1367 (abstract VIR-PTH2070). Abstracts of the XVIth International Congress of Virology, July 27–August 1, Montréal, Québec, Canada.
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24. **Kuhn, Jens H., Yingyun Cai, Hannah B. Sanford, John Bernbaum, Reed Johnson, Peter B. Jahrling, and Victoria Wahl-Jensen.** 2011. ELECTRON-MICROSCOPIC CHARACTERIZATION OF SIMIAN HEMORRHAGIC FEVER VIRUS (SHFV) PARTICLES AND SHFV-INFECTED CELLS, abstract VI-PO63-6. Proceedings of the XV International Congress of Virology, September 11–16, Sapporo, Hokkaido, Japan.
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2. **Kuhn, Jens H.** 2014. Progress and Challenges in Filovirus Taxonomy – Controversial Past, Controversial Future? Poster presented at the 6th International Symposium on Filoviruses, March 30–April 2, Hotel Galvez, Galveston, Texas, USA.
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2. **2006:** Massachusetts Institute of Technology Synthetic Biology Working Group Town Hall Meeting, April 21, MIT Stata Center, Cambridge, Massachusetts, USA.
3. **2005:** Workshop on Protective Oversight of Dual-Use Research, October 21. American Academy of Arts and Sciences, and Center for International and Security Studies at Maryland (CISSM), Cambridge, Massachusetts, USA.
4. **2004:** Controlling Dangerous Pathogens Project. Workshop on Defining Dangerous Research, May 17 (junior scientist workshop) and May 18 (senior scientist workshop). Organized and hosted by the Center for International and Security Studies at Maryland (CISSM), The University of Maryland University College Inn and Conference Center, College Park, Maryland, USA.
5. **2003:** Panel discussion ZEIT-Forum der Wissenschaft „Bioterrorismus: Die unsichtbare Bedrohung" [ZEIT forum of science "Bioterrorism: the invisible threat"], April 3, Berlin-Brandenburgische Akademie der Wissenschaften [Berlin-Brandenburg Academy of Sciences], Berlin, Germany. Discussing guests: Prof. Dr. med. Dr. rer. nat. Alexander Kekulé (Head of the Institute of Medical Microbiology of Martin-Luther Universität Halle-Wittenberg, Germany); **Jens Kuhn**; Prof. Dr. Reinhardt Kurth (President of the Robert-Koch Institute in Berlin, Germany); Otto Schily (Minister of the Interior of Germany). Transmitted live by Deutschlandfunk [Radio Germany]. Live recording broadcasted by Phoenix TV (Bonn) on April 5. Newspaper reprint of parts of the discussion: Die Zeit (Hamburg) **58(16, Thursday 04/10/2003):**45. Different excerpts also to be found at [Online.] http://www.zeit.de/wissen/bioterror_forum [09/07/2009, last accessed.]

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6. Interviewed on 04/16/2014 by Steve Baragona, *Voice of America*. Topic: The new "strain" of Ebola virus discovered in West Africa. → See **Baragona, Steve.** New Ebola Strain Causing West Africa Outbreak. http://www.voanews.com/content/new-ebola-strain-causing-west-africa-outbreak/1895149.html [04/17/2014, last accessed]. → Also broadcasted in full-length on radio.
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8. Interviewed on 11/10/2011 by Douglas Main, *Discover Magazine* (New York): Topic: Discovery of a novel filovirus, Lloviu virus, in Spain.
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2. **Rimmington, Anthony.** 2003. From Offence to Defence? Russia's Reform of its Biological Weapons Complex and the Implications for Western Security. The Journal of Slavic Military Studies (London) **16(1):**1-43.
3. **Dorner, Jens P.** 2003. In German: Vom Biowaffenlabor zum transparenten Gesundheitszentrum [From the bioweapons laboratory to the transparent health center]. Mannheimer Morgen (Mannheim) **January 16.**
4. **Stein, Rosemarie.** 2002. In German: Dem Bioterror hilflos ausgeliefert? [Defenselessly exposed to biological terror?]. Berliner Ärzte (Berlin) **(1):**26-27.

Professional Affiliations:

- **06/13/2012-present:** Federation of American Scientists (FAS), Washington, DC, USA.

- **2006 – present:** Gesellschaft für Virologie e.V. – German Society of Virology (GfV), Ulm, Germany.
- **2005 – present:** American Association for the Advancement of Science (AAAS), Washington, DC, USA.
- **2000 – present:** American Society of Tropical Medicine and Hygiene (ASTMH), including membership of American Committee on Arthropod-Borne Viruses (ACAV), Deerfield, Illinois, USA.
- **1997 – present:** American Society for Virology (ASV), Toledo, Ohio, USA.
- **1997 – present:** American Society for Microbiology (ASM), Washington, DC, USA.

Languages:
- English (fluent in speech, reading, and writing).
- French (beginner in speech and writing, proficient in reading).
- German (mother tongue).
- Mandarin (advanced beginner, HSK3 77% on 10/20/2012).

Vaccination Status:
- Anthrax: 07/08/1998, 07/22/1998, 08/05/1998
- Diphtheria: 04/10/1973, 05/17/1973, 07/02/1973, 08/23/1974, 02/01/1997, 11/02/2006, 04/15/2008 (next scheduled 2018)
- Hepatitis A: 08/26/1993, 02/10/1997
- Hepatitis B: 08/01/1996, 09/05/1996, 02/10/1997, 03/13/2003, 04/10/2003
- Influenza A: 2004, 2005, 2006, 02/29/2007, 11/01/2010, 10/11/2011, 09/24/2012, 09/16/2013, 10/21/2014
- Japanese encephalitis: 08/05/1998, 08/12/1998, 08/19/1998
- Measles: 08/23/1974, 10/22/2003, 02/29/2008 (next scheduled 2018)
- Mumps: 08/23/1974, 10/22/2003, 02/29/2008 (next scheduled 2018)
- Pertussis: 04/10/1973, 05/17/1973, 07/02/1973
- Polio: 04/10/1973, 05/17/1973, 07/02/1973, 11/22/1973, 01/24/1974, 11/21/1974, 01/25/1979, 11/30/1984, 01/02/1997, 02/29/2008 (next scheduled 2018)
- Rabies: 02/29/2008, 03/01/2008, 04/15/2008
- Rubella: 08/23/1974, 10/22/2003, 02/29/2008 (next scheduled 2018)
- Rift Valley fever: 06/24/1998, 07/01/1998, 07/22/1998
- Smallpox: 04/26/2001, 04/07/2008
- Tuberculosis (BCG): 11/21/1972
- Tick-borne encephalitis: 03/13/2003, 04/10/2003, 10/18/2004, 12/21/2008
- Tetanus: 04/10/1973, 05/17/1973, 07/02/1973, 08/23/1974, 11/30/1984, 02/01/1997, 11/02/2006, 04/15/2008 (next scheduled 2018)
- Typhus: 02/29/2008
- Venezuelan equine encephalitis: 07/29/1998
- Yellow fever: 07/21/1993, 03/27/2003, 02/03/2014 (next scheduled 2024)

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