

Robert F. Kalejta

Professor of Oncology and Molecular Virology
McArdle Laboratory for Cancer Research and
Institute for Molecular Virology
University of Wisconsin-Madison

641A R.M. Bock Laboratories
1525 Linden Drive
Madison, Wisconsin 53706-1596

Telephone: (608) 265-5546 (office); 265-5390 (laboratory)
FAX: (608) 262-4570
Email: rfkalejta@wisc.edu

FORMAL EDUCATION:

B.S., Biochemistry, The Pennsylvania State University, University Park,
Pennsylvania, USA; 1990 (Advisor: David Gilmour)

Ph.D., Biochemistry, The University of Virginia, Charlottesville, Virginia,
USA; 1997 (Advisor: Joyce Hamlin)

Postdoctoral Fellow, Department of Molecular Biology, Princeton
University, Princeton, NJ, USA; 1996-2003 (Advisor: Thomas Shenk)

EMPLOYMENT:

2003-2009
Assistant Professor of Oncology and Molecular Virology,
McArdle Laboratory for Cancer Research and Institute for Molecular
Virology, University of Wisconsin-Madison, Madison, Wisconsin, USA

2009-2014
Associate Professor (with tenure) of Oncology and Molecular Virology,
McArdle Laboratory for Cancer Research and Institute for Molecular
Virology, University of Wisconsin-Madison, Madison, Wisconsin, USA

2011-Present
Assistant Director, McArdle Laboratory for Cancer Research
University of Wisconsin-Madison, Madison, Wisconsin, USA

2013-Present
Vice-Chair, Institute for Molecular Virology
University of Wisconsin-Madison, Madison, Wisconsin, USA

2014-Present
Professor of Oncology and Molecular Virology,
McArdle Laboratory for Cancer Research and Institute for Molecular
Virology, University of Wisconsin-Madison, Madison, Wisconsin, USA

CAMPUS AFFILIATIONS:

McArdle Laboratory for Cancer Research – Department of Oncology
Institute for Molecular Virology
Carbone Cancer Center
Stem Cell and Regenerative Medicine Center
Cell and Molecular Biology Graduate Program
Microbiology Doctoral Training Program
Madison Virology Program
Molecular and Cellular Pharmacology Training Program
Medical Scientist Training Program
Cancer Biology Training Program
Epigenetics Program

HONORS AND AWARDS:

NIH Cell and Molecular Biology Training Grant T32 GM08136, 1993-1996

Leukemia and Lymphoma Society Fellow, 1997-2000

American Heart Association Scientist Development Grant, 2004-2007

Burroughs Wellcome Fund Investigator in Pathogenesis of Infectious Disease, 2006-2011

Plenary Speaker, American Society for Virology Conference, 2009

Editorial Board, The Journal of Virology, 2010-2018

Editorial Board, Herpesviridae, 2010-present

Ad-hoc NIH VIRA study section, Feb 2010, Oct 2010

Ad-hoc NIH VIRB study section, Feb 2011

Vilas Associate, 2011-2012

Member, Virology – B study section (NIH-CSR), 2011-2015

Assistant Director for Oncology-Institute for Molecular Virology Liaison,
2011-present

State of the Art Speaker, American Society for Virology Conference, 2012

Keynote Speaker, International Herpesvirus Workshop, 2012

Invited Speaker, NCI workshop on CMV and GBM, 2013

Associate Editor, PLoS Pathogens 2014-2017

Host and Organizer, International Herpesvirus Workshop, Madison, WI,
2016

Keynote Speaker, All Iowa Virology Conference 2017

SOCIETY MEMBERSHIPS:

American Association for the Advancement of Science

American Society for Microbiology

American Society for Virology

PUBLICATIONS:

1. **Kalejta, R.F.**, and Hamlin, J.L. (1996) Composite patterns in neutral/neutral two-dimensional gels demonstrate inefficient replication origin usage. *Mol. Cell. Biol.* 16(9), 4915-4922. PMID: PMC231493
2. **Kalejta, R.F.**, Lin, H.-B., Dijkwel, P.A., and Hamlin, J.L. (1996) Characterizing replication intermediates in the amplified CHO dihydrofolate reductase domain by two novel gel electrophoretic techniques. *Mol. Cell. Biol.* 16(9), 4923-4931. PMID: PMC231494
3. **Kalejta, R.F.**, and Hamlin, J.L. (1997) The dual effect of mimosine on DNA replication. *Exp. Cell. Res.* 231, 173-183. PMID: none
4. **Kalejta, R.F.**, Shenk, T., and Beavis, A.J. (1997) The use of a membrane-localized green fluorescent protein allows simultaneous identification of transfected cells and cell cycle analysis by flow cytometry. *Cytometry* 29, 286-291. PMID: none
5. **Kalejta, R.F.**, Li, X., Mesner, L.D., Dijkwel, P.A., Lin, H.-B., and Hamlin, J.L. (1998) Distal sequences, but not ori- β /OBR-1, are essential for initiation of DNA

- replication in the Chinese hamster DHFR locus. *Mol. Cell* 2, 797-806. PMID: none
6. **Kalejta, R.F.**, Brideau, A.D., Banfield, B.W., and Beavis, A.J. (1999) An integral membrane green fluorescent protein marker, Us9-GFP, is quantitatively retained in cells during propidium iodide-based cell cycle analysis by flow cytometry. *Exp. Cell Res.* 248, 322-328. PMID: none
 7. Beavis, A.J., and **Kalejta, R.F.** (1999) Simultaneous analysis of the cyan, yellow, and green fluorescent proteins by flow cytometry using single-laser excitation at 458 nm. *Cytometry* 37, 68-73. PMID: none
 8. Beavis, A.J., and **Kalejta, R.F.** (2001) Simultaneous analysis of the cyan, green, and yellow fluorescent proteins. *Current Protocols in Cytometry, Supplement 16*, 1.16.1-1.16.12. PMID: none
 9. Tao, W., Pennica, D., Xu, L., **Kalejta, R.F.**, and Levine, A.J. (2001) Wrch-1, a novel member of the Rho gene family that is regulated by Wnt-1. *Genes & Dev.* 15, 1796-1807. PMID: PMC312736
 10. **Kalejta R.F.**, and Shenk, T. (2002) Manipulation of the cell cycle by human cytomegalovirus. (Review). *Front. Biosci.* 7, D295-306. PMID: none
 11. **Kalejta, R.F.**, Bechtel, J.T., and Shenk T. (2003) Human cytomegalovirus pp71 stimulates cell cycle progression by inducing the proteasome-dependent degradation of the retinoblastoma family of tumor suppressors. *Mol. Cell. Biol.* 23 (6), 1885-1895. PMID: PMC149485
 12. **Kalejta, R.F.**, and Shenk, T. (2003) The human cytomegalovirus UL82 gene product (pp71) accelerates progression through the G1 phase of the cell cycle. *J. Virol.* 77 (6), 3451-3459. PMID: PMC149542
 13. **Kalejta, R.F.**, and Shenk, T. (2003) Proteasome-dependent, ubiquitin-independent degradation of the Rb family of tumor suppressors by the human cytomegalovirus pp71 protein. *Proc. Natl. Acad. Sci. USA* 100 (6), 3263-3268. PMID: PMC152280
 14. **Kalejta, R.F.** (2004) Human cytomegalovirus pp71: A new tool to probe the mechanisms of cell cycle progression and oncogenesis controlled by the retinoblastoma family of tumor suppressors. (Review). *J. Cell. Biochem.* 93, 37-45. PMID: none
 15. Saffert, R.T., and **Kalejta, R.F.**, (2006) Inactivating a cellular intrinsic immune defense mediated by Daxx is the mechanism through which the human cytomegalovirus pp71 protein stimulates viral immediate early gene synthesis. *J. Virol.* 80 (8), 3863-3871. PMID: PMC 1440479

16. Saffert, R.T., and **Kalejta, R.F.**, (2007) Human cytomegalovirus gene expression is silenced by the Daxx-mediated intrinsic immune defense when model latent infections are established in vitro. *J. Virol.* 81 (17), 9109-9120. PMID: PMC1951389
17. Hwang, J., and **Kalejta, R.F.**, (2007) Proteasome-dependent, ubiquitin-independent degradation of Daxx by the viral pp71 protein in human cytomegalovirus-infected cells. *Virology* 367, 334-338. PMID: none
18. **Kalejta, R.F.** (2008) Functions of human cytomegalovirus tegument proteins prior to immediate early gene expression. (Review). *Curr. Top. Microb. Immunol.* 325, 101-116. PMID: none
19. Saffert, R.T., and **Kalejta, R.F.** (2008) PML-nuclear body proteins: Herpesviral enemies, accomplices, or both? (Review). *Future Virology* 3, 265-277. PMID: PMC2744987
20. Hume, A.J., Finkel, J.S., Kamil, J.P., Coen, D.M., Culbertson, M.R., and **Kalejta, R.F.** (2008) Phosphorylation of retinoblastoma protein by viral protein with cyclin-dependent kinase function. *Science* 320, 797-799. PMID: none
21. **Kalejta, R.F.** (2008) Tegument proteins of human cytomegalovirus. (Review). *Microbiol. Mol. Biol. Rev.* 72, 249-265. PMID: PMC2415745
22. Hume, A.J., and **Kalejta, R.F.** (2009) Regulation of the retinoblastoma proteins by the human herpesviruses. *Cell Div.* 4:1. PMID: PMC 2636798
23. Hwang, J., and **Kalejta, R.F.** (2009) The human cytomegalovirus pp71 protein induces Daxx SUMOylation. *J. Virol.* 83 (13), 6591-6598. PMID: PMC 2698545
24. Kamil, J.P., Hume, A.J., Jurak, I., Münger, K., **Kalejta, R.F.**, and Coen, D.M. (2009) Human Papillomavirus 16 E7 inactivator of retinoblastoma family proteins complements human cytomegalovirus lacking UL97 protein kinase. *Proc. Natl. Acad. Sci USA* 106 (39), 16823-16828. PMID: PMC2757844
25. Meng, Q., Hagemeyer, S.R., Kuny, C.V., **Kalejta, R.F.**, and Kenney, S.C. (2010) SV40 T/t antigens, and lamin A/C siRNA rescue the phenotype of an Epstein-Barr Virus (EBV) protein kinase (BGLF4) mutant. *J. Virol.* 84 (9) 4524-4533. PMID: PMC2863785
26. Saffert, R.T., Penkert, R.R., and **Kalejta, R.F.** (2010) Cellular and viral control over the initial events of human cytomegalovirus experimental latency in CD34+ cell. *J. Virol.* 84 (11) 5594-5604. PMID: PMC2876595

27. Penkert, R.R., and **Kalejta, R.F.** (2010) Nuclear localization of tegument-delivered pp71 in human cytomegalovirus infected cells is facilitated by one or more factor present in terminally differentiated fibroblasts. *J. Virol.* 84 (19) 9853-63. PMID: PMC2937784
28. Kuny, C.V., Chinchilla, K., Culbertson, M.R., and **Kalejta, R.F.** (2010) Cyclin-dependent kinase-like function is shared by the beta- and gamma-subset of the conserved herpesvirus protein kinases. *PLoS Pathog* 6(9): e1001092. doi10.1371/journal.ppat.1001092. PMID: PMC2936540
29. Penkert, R.R., and **Kalejta, R.F.** (2011) Tegument protein control of latent herpesvirus establishment and animation. *Herpesviridae* 2:3. PMID: PMC3063196
30. Hwang, J., Saffert, R.T., and **Kalejta, R.F.** (2011) Elongin B-mediated epigenetic alteration of viral chromatin correlates with efficient human cytomegalovirus gene expression and replication. *mBio* 2(2):e00023-11. doi:10.1128/mBio.00023-11. PMID: PMC3063379
31. Hwang, J., Winkler, L., and **Kalejta, R.F.** (2011) Ubiquitin-independent proteasomal degradation during oncogenic viral infections. *Biochim. Biophys. Acta* 1816 (2) 147-157. PMID: PMC3193896
32. Hwang, J., and **Kalejta, Robert F.** (2011) In vivo analysis of protein sumoylation induced by a viral protein: detection of pp71-induced Daxx sumoylation. *Methods* 55, 160-165. PMID: PMC3208771
33. Ranganathan, P., Clark, P.A., Kuo, J.S., Salamat, M.S., and **Kalejta, R.F.** (2012) Significant association of multiple human cytomegalovirus genomic loci with glioblastoma multiforme samples. *J. Virol.* 86, 854-864 PMID: PMC3255835
34. Dziurzynski, K., Cjang, S.M., Heimberger, A.B., **Kalejta, R.F.**, McGregor Dallas, S.R., Smit, M., Soroceanu, L., Cobbs, C.S., and the HCMV and Gliomas Symposium. (2012) Consensus on the role of human cytomegalovirus in glioblastoma. *Neuro Oncol.* 14, 246-255. PMID: PMC3280809
35. Lee, S.H., **Kalejta, R.F.***, Kerry, J., Semmes, O.J., O'Connor, C.M., Khan, Z., Garcia, B.A., Shenk, T., and Murphy, E. (2012) BclAF1 restriction factor is neutralized by proteasomal degradation and microRNA repression during human cytomegalovirus infection. *Proc. Natl. Acad. Sci. USA*, 109, 9575-9580 PMID: PMC3386064 ***Corresponding Author;**

36. Penkert, R.R., and **Kalejta, R.F.** (2012) Tale of a tegument transactivator: the past, present, and future of HCMV pp71. *Future Virology*, 7, 855-869; PMID: PMC3558950
37. **Kalejta, R.F.** (2013) Pre-Immediate Early Tegument Protein Functions. In *Cytomegaloviruses: From Molecular Pathogenesis to Intervention*, Volume 1, Chapter 9; M.J. Reddehase, ed. (Norfolk, UK, Caister Academic Press), pp.141-151; PMID: none
38. Winkler, L.L., Hwang, J., and **Kalejta, R.F.** (2013) Ubiquitin-independent proteasomal degradation of tumor suppressors by human cytomegalovirus pp71 requires the 19S regulatory particle. *J. Virol.* 87, 4665-4671. PMID: PMC3624388
39. Penkert, R.R., and **Kalejta, R.F.** (2013) Human embryonic stem cell lines model experimental human cytomegalovirus latency. *mBio* 4(3):e00298-13. PMID: PMC3663570
40. Albright, E.R., and **Kalejta, R.F.** (2013) Myeloblastic cell lines mimic some but not all aspects of human cytomegalovirus experimental latency defined in primary CD34+ cell populations. *J. Virol.* 87, 9802-9812. PMID: PMC3754112
41. Qin, Q., Penkert, R.R., and **Kalejta, R.F.** (2013) Heterologous viral promoters incorporated into the human cytomegalovirus genome are silenced during experimental latency. *J. Virol.* 87, 9886-9894. PMID: PMC3754107
42. Sun, X., Bristol, J.A., Iwahori, S., Hagemeyer, S.R., Meng, Q., Barlow, E.A., Fingerroth, J.D., Tarakanova, V.L., **Kalejta, R.F.**, and Kenney, S.C. (2013) Hsp90 inhibitor 17-DMAG decreases expression of conserved herpesvirus protein kinases and reduces virus production in Epstein-Barr virus-infected cells. *J. Virol.* 87, 10126-10138. PMID: PMC3754017
43. Qin, Q., Lee, S.H., Liang, R., and **Kalejta, R.F.** (2014) Insertion of myeloid-active elements into the human cytomegalovirus major immediate early promoter is not sufficient to drive its activation upon infection of undifferentiated myeloid cells. *Virology* 448C, 125-132. PMID: PMC3857587
44. Winkler, L.L., and **Kalejta, R.F.** (2014) The 19S proteasome activator promotes human cytomegalovirus immediate early gene expression through proteolytic and non-proteolytic mechanisms. *J. Virol.* 88, 11782-11790. PMID: PMC4178716

45. VanDeusen, H.R., and **Kalejta, R.F.** (2015) The retinoblastoma tumor suppressor promotes efficient human cytomegalovirus replication. *J. Virol.* 89, 5012-5021. PMID: PMC4403481
46. Iwahori, S., Hakki, M., Chou, S., and **Kalejta, R.F.** (2015) Molecular determinants for the inactivation of the retinoblastoma tumor suppressor by the viral cyclin-dependent kinase UL97. *J. Biol. Chem.* 290, 19666-19680 PMID: PMC4528131
47. VanDeusen, H.R., and **Kalejta, R.F.** (2015) Deficiencies in cellular processes modulated by the retinoblastoma protein do not account for reduced human cytomegalovirus replication in its absence. *J. Virol.* 89, 11965-74 PMID: PMC4645314
48. Lee, S.H., Albright, E.R., Lee, J.-H., Jacobs, D., and **Kalejta, R.F.** (2015) Cellular defense against latent colonization foiled by human cytomegalovirus UL138 protein. *Sci. Adv.* 1(10):e1501164 PMID: PMC4681346
49. Kuny, C.V., and **Kalejta, R.F.** (2016) HCMV can procure deoxyribonucleotides for viral DNA replication in the absence of retinoblastoma protein phosphorylation. *J. Virol.* 90, 8634-43 PMID: PMC5021408
50. Lee, S.H., Caviness, K., Albright, E.R., Lee, J.-H., Gelbmann, C.B., Rak, M., Goodrum, F., and **Kalejta, R.F.** (2016) Long and Short isoforms of the human cytomegalovirus UL138 protein silence IE transcription and promote latency. *J. Virol.* 90, 9483-94 PMID: PMC5044833
51. Albright, E.R., and **Kalejta, R.F.** (2016) Canonical and variant forms of histone H3 are deposited onto the human cytomegalovirus genome during lytic and latent infections. *J. Virol.* 90:10309-10320 PMID: PMC5105665
52. **Kalejta, R.F.** (2016) Sifting and Winnowing through Human Cytomegalovirus lytic replication and latency. *PloS Pathog* 12(9):e1005607 PMID: PMC5033567
53. Lee, W.H., Higuchi, H., Ikeda, S., Macke, E.L., Takimoto, T., Pattnaik, B.R., Liu, C., Chu, L.F., Siepka, S.M., Krentz, K.J., Rubinstein, C.D., **Kalejta, R.F.**, Thomson, J.A., Mullins, R.F., Takahashi, J.S., Pinto, L., and Ikeda, A. (2016) Mouse *Tmem135* mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. *Elife* 5:e19264 PMID: in process

SUPPORT:

Current:

2P01CA022443-36 PI: Lambert 05/01/13 – 04/30/2018

NIH/NCI

“Molecular Biology and Genetics of Human Tumor Viruses”

Co-leader of Project 3 and Project 5

5R01AI074984-07 PI: Kalejta 06/15/08-11/30/18 TC/yr: \$371,402

NIH/NIAID

“Role of Daxx degradation by pp71 during the human cytomegalovirus life cycle”

Pending:

1R01-? PI: Kalejta 04/01/17-03/31/22 TC/yr: \$375,610

NIH/NIAID

“Transcriptional control of human cytomegalovirus latency”

Past:

No Number PI: Kalejta 06/01/14-05/31/16 TC/yr: \$100,000

Avon Foundation

“Human cytomegalovirus breast cancer transcriptome”

5R01AI080675-05 PI: Kalejta 05/01/10-04/30/15 TC/yr: \$363,490

NIH/NIAID-NCI

“Retinoblastoma (Rb) protein pathway in human cytomegalovirus infected cells”

The first submission of the competitive renewal for this award is currently being prepared.

1006360 PI: Kalejta 07/01/06 – 06/30/13

Burroughs Wellcome Fund Investigator in Pathogenesis

“Cellular and Viral Determinants of Human Cytomegalovirus Lytic and Latent Replication Cycles”

NA PI: Kalejta 07/01/11-06/30/13 TC/yr: \$12,500

Vilas Associate

“Role of Human Cytomegalovirus UL27 Protein During Viral Infection”

5R01AI034998-14 PI: Kalejta 01/01/06-12/31/11 TC/yr: \$273,790

NIH / NIAID

“Role of glycoprotein B in HCMV infection”

3R01AI074984-01A1S1 PI: Kalejta 06/05/09-09/30/10 TC/yr: \$18,44

NIH/NIAID

“Role of Daxx degradation by pp71 during the human cytomegalovirus life cycle”

1R56AI064703-01 PI: Kalejta 09/30/07-09/29/08

NIH / NIAID

“Role and cell cycle mechanisms of pp71 in HCMV infection”

N/A PI: Kalejta 02/01/06 – 01/31/08

Wisconsin Partnership Fund for a Healthy Future – New Investigator Program

“Cellular and Viral Determinants of Human Cytomegalovirus Lytic and Latent Replication Cycles.”

0430186N PI: Kalejta 01/01/04 – 12/31/07

American Heart Association Scientist Development Grant

“Vascular Disease Contribution of human cytomegalovirus induced cell cycle effects in smooth muscle and endothelial cells.”

IRG-58-011-47-07 PI: Kalejta 04/26/04-04/25/05

American Cancer Society (UW internal award)

“An examination of the mechanism of cell cycle induction by the human cytomegalovirus pp71 protein, and its potential role in oncogenesis”

5900 PI: Kalejta 01/01/04-12/31/04

HHMI Supplementary Start-up Funds (UW internal award)

“Inactivation of the retinoblastoma tumor suppressor family by the human cytomegalovirus pp71 protein”

TEACHING:

Years	Course Title	Director	Role	Students	Time
Fall 2004	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: DNA viruses Cell cycle	11 Under- graduates and 28 Grad. Students	8 lectures
Fall 2004	Oncology 675: Cancer Biology Student/Postdoc Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of presentations	Graduate Students and Postdocs	Weekly, entire semester

Spring 2005	Oncology 675: Cancer Biology Student/Postdoc Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of presentations	Graduate Students and Postdocs	Weekly, entire semester
Fall 2005	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Cell cycle Immunology Antivirals	10 Under-graduates and 35 Grad. Students	17 lectures
Fall 2005	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester
Spring 2006	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester
Fall 2006	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Cell cycle Immunology Antivirals	19 Under-graduates and 13 Grad. Students	17 lectures
Fall 2007	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Cell cycle Immunology Antivirals	16 Under-graduates and 17 Grad. Students	17 lectures
Fall 2008	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	10 Under-graduates and 37 Grad. Students	16 lectures
Fall 2009	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	17 Under-graduates and 32 Grad. Students	16 lectures
Fall 2009	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester

Spring 2010	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester
Fall 2010	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	21 Under-graduates and 17 Grad. Students	16 lectures
Fall 2011	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	14 Under-graduates and 35 Grad. Students	16 lectures
Fall 2012	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	25 Under-graduates and 25 Grad. Students	11 lectures
Fall 2013	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: Course Intro DNA viruses Immunology Antivirals	27 Under-graduates and 17 Grad. Students	11 lectures
Fall 2014	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: DNA viruses Immunology	19 Under-graduates and 17 Grad. Students	11 lectures
Fall 2014	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester
Spring 2015	Biochemistry 910: Molecular Virology Seminar (1 credit)	Robert F. Kalejta	Organizer and Reviewer of Presentations	Graduate Students and Postdocs	Weekly, entire semester
Fall 2015	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: DNA viruses Immunology	27 Under-graduates and	11 lectures

				18 Grad. Students	
Fall 2016	Oncology 640: General Virology: Multiplication of Viruses (3 credits)	Paul Ahlquist (team taught)	Lecturer: DNA viruses Immunology	22 Under- graduates and 10 Grad. Students	11 lectures

MENTORING:*Postdoctoral:*

Name / Background	Years	Research Area	Current Status
Torsten Wurm Ph.D. 2005, Laboratory of Julian Hiscox, University of Reading, United Kingdom	2005-2006	HCMV-induced cell cycle changes in endothelial cells	Postdoc, East Carolina
Song Hee Lee Ph.D. 2008, Laboratory of Sung Key Jang, Postech University, Pohang, South Korea	2008-2014	HCMV Latency	Current Assistant Scientist, Emory University
Ryan Saffert Ph.D. 2009 Laboratory of Robert F. Kalejta, University of Wisconsin- Madison	2008-2009	HCMV latency	Beckman, Minneapolis, MN
Padhma Ranganathan Ph.D. 2009 Laboratory of Vivek M. Rangnekar, University of Kentucky	2009-2014	Cell cycle modulation by HCMV	Chicago
Qingsong Qin Ph.D. 2010 Laboratory of Cathy	2010-2013	pp71-mediated Daxx degradation	Post doc, Penn State

Miller, Iowa State University			
Satoko Iwahori Ph.D. 2004 Laboratory of Motoko Ikeda, Nagoya University (Japan)	2011-present	v-Cdks	Current Assistant Scientist
Rhiannon Penkert Ph.D. 2011 Laboratory of Robert F. Kalejta, University of Wisconsin-Madison	2012-2013	HCMV latency	Post doc, St. Jude's Children's Research Hospital, Memphis, TN
Che Liu Ph.D. 2011 Laboratory of Jeffrey Harrison, University of Florida	2012-present	HCMV and glioblastoma	Current postdoc
Derek Jacobs Ph.D. 2014 Laboratory of David Bloom, University of Florida	2014-2016	HCMV latency	Consultant?
Emily R. Albright Ph.D. 2016 Laboratory of Robert F. Kalejta, University of Wisconsin-Madison	2016-present	HCMV latency	Current postdoc

Graduate:

Name	Years / Degree Received	Research Area	Current Status
Randy Hill	2003-2006 MS, Cancer Biology 2006	HCMV pp71 Interactions with Cellular Tumor Suppressors	Pharmacy School, University of Florida
Ryan Saffert	2003-2008 Ph.D., Cell and Molecular	HCMV Immediate Early Gene Expression	Beckman, Minneapolis, MN

	Biology 2009		
Adam Hume	2004-2010 Ph.D., Cell and Molecular Biology 2010	HCMV UL97 Protein Kinase	Postdoc at Boston Univ. with Elke Muehlberger
Jiwon Hwang	2005-2011 Ph.D., Cancer Biology 2011	Protein degradation by the HCMV pp71 protein	Postdoc at Stanford with Ron Kopito
Rhiannon Penkert	2007-2011 Ph.D., Cell and Molecular Biology 2011	HCMV Latency	Post doc, St. Jude's Children's Research Hospital, Memphis, TN
Chad Kuny	2007-2014	Conserved Herpesviral Protein Kinases	Postdoc Penn State with Moriah Szpara
Halena Vandeuken	2008-2015	HCMV UL97 protein kinase	Postdoc at UW- Madison with Matt Merrins
Laura Winkler	2008-2014	Protein degradation by the HCMV pp71 protein	Postdoc at Van Andel Institute with Stephan Jovinge
Emily Albright	2010-2016	HCMV latency	Current postdoc
Angie Umana	2010- present	Herpesvirus kinases	Current Student; Ph.D. expected 2015
Monica Gamez	2011-2012	DNA Damage Response	Leave of Absence
Joe Pasquarella	2012-2015	Protein degradation by the HCMV pp71 protein	Awarded MS; Applying to medical school
Jeong-Hee Lee	2013- present	HCMV latency in iPS cells	Current Student; Ph.D. expected 2018
Chris Gelbman	2014- present	HCMV UL138 and latency	Current Student; Ph.D. expected 2018
Shelby Malone	2013- present	HCMV genome maintenance during latency	Current Student; Ph.D. expected 2018
Jared Erickson	2015- present	HCMV and DNA damage response	Current Student; Ph.D. expected

			2019
Chao Weng	2015-present	HCMV replication in epithelial cells	Current Student; Ph.D. expected 2019

Undergraduate:

Name	Years	Research Area	Current Status
Dean Sayre B.S. 2007	2006-2007	Microbiology 699 Undergraduate Library Thesis “hCNK1 in Health and Disease: Biological Significance in HCMV Infection”	Intern at NIH; applying to medical schools
	2007-2008	Microbiology 699 Faculty Sponsor for Internship at Institut Pasteur, Dakar, Senegal, Africa “Rotavirus Burden and Diversity in Dakar”	
Eric Hilton	2009-2011	HCMV latency	Industry Job
Shye Richardson	2010	HCMV IE gene expression	?
Caitlin Jenewein	2011-2014	pp71 transcriptional mechanisms	Undergraduate
Samuel Porter	2012-2014	Daxx degradation	Graduate Student, University of Maryland
David Martinez	2012	Sumoylation	Graduate Student, Duke University
Bhargavi Mathuradas	2013-2014	Novel promoters for stem cell ectopic expression	Current student in Biotechnology Masters program
Natalie Schmitz	2014-2015	HCMV Latency	Undergraduate
Shayna Welch	2015-	HCMV Latency	Undergraduate
Mitchel Dvorak	2016-	HCMV Latency	Undergraduate

Visiting:

Name	Years	Research Area	Current Status
Mark Slayton Ohio University (Bonita Biegalka Lab)	2016	SLBP localization	Graduate student at Ohio University

Certification Committees (PI's name in parenthesis):

Current:

Ryan Behrens (Sherer), Reza Djavadian (Johannsen), Dhananjay Nawandar (Kenney),

Past:

Sharon Altman (Brandt), Scott Balsitis (Lambert), Benjamin Bimber (O'Connor), Christopher Black (Sugden), Michelle Bonar (Hoffman), Jill Bristol (Kenney), Nathaniel Byers (Friesen), Rebecca Cerio (Friesen), Nadine Dalrymple (Friesen), Valarie Davis (Palmenberg), Ishani De (Collier), Arturo Diaz (Ahlquist), Laura Dougherty (Sugden), Emily Payne English (Gellman), Annette Figueroa (Prelim Exam Chair), Zachery Gregorich (Striker), Mario Guerrero (Compton), Michael Guy (Friesen), Tawin Iempridee (Mertz), Marisa Isaacson (Compton), Gilbert Jose (Brandt), Laura Juckem (Compton), James Kirui (Mehle), Erica Lannan (Friesen), Michael Lauck (O'Connor), Jonathan Mitchell (Friesen), Dhananjay Nawandar (Kenney), Lauren Nettenstrom (Loeb), Patrick Nyman (Lambert), Soyeoung Park (Lambert), Fred Porter (Palmenberg), Zachary Pratt (Sugden), Jessica Reusch (Mertz), Amanda Robinson (Kenney), Ashley Sacramo (Palmenberg), Erik Settles (Friesen), Myeong-kyun Shin (Lambert), David Taggart (Friesen), Duy Tran (Friesen), Vy Tran (Mehle), Anqi Wang (Johannsen), Yu Chung Wang (Rapraeger), Andrea Weiler (Watkins), Nathan Wlodarchak (Xing)

CONFERENCE ABSTRACTS:

Iwahori, S., and **Kalejta, R.F.** Cellular and Viral Cdks phosphorylate the Rb-binding E2F3b protein. 4th International Rb meeting. Columbus, OH, 2016.

Iwahori, S., Umana, A.C., VanDuesen, H.R., and **Kalejta, R.F.** Human cytomegalovirus v-Cdk UL97 phosphorylates and inactivates the retinoblastoma protein-related p107 and p130 proteins. 4th International Rb meeting. Columbus, OH, 2016.

Kalejta, R.F., and Albright, E.R. Canonical and variant forms of histone H3 are deposited onto the human cytomegalovirus genome during lytic and latent infections. Chromatin Control of Viral Infection Meeting. National Institutes of Health, Bethesda, Maryland, 2016.

Gelbmann, C.B., Lee, S.H., Caviness, K., Albright, E.R., Lee, J.-H., Goodrum, F., and **Kalejta, R.F.** Human cytomegalovirus latency protein UL138 is expressed as two different isoforms with differing outcomes during experimental latency. 41st International Herpesvirus Workshop, Madison, WI, 2016

Lee, J.-H. and **Kalejta, Robert F.** HCMV tegument delivered pp71 localizes in endosomes of undifferentiated NT2 cells. 41st International Herpesvirus Workshop, Madison, WI, 2016

Lyon, S. M., and **Kalejta, R.F.** Use of Visible HCMV to assess viral genome dynamics in lytically infected cells. 41st International Herpesvirus Workshop, Madison, WI, 2016

Iwahori, S., Umana, A., VanDeusen, H., and **Kalejta, R.F.** Human cytomegalovirus v-CDK UL97 phosphorylates and inactivates the retinoblastoma protein-related p107 and p130 proteins. 41st International Herpesvirus Workshop, Madison, WI, 2016

Liu, C. Clark, P.A., Kuo, J.S., and **Kalejta, R.F.** Human cytomegalovirus infection induces a slow cycling phenotype and increases resistance to temozolomide in glioblastoma cells. 41st International Herpesvirus Workshop, Madison, WI, 2016

Ranganathan, P., Carter, D.M., Iwahori, S., Lee, J.H., **Kalejta, R.F.**, and Terhune, S.S. Human cytomegalovirus infection alters stem loop binding protein localization and function. 41st International Herpesvirus Workshop, Madison, WI, 2016

Liu, C. Clark, P., Kuo, J., and **Kalejta, R.F.** Human cytomegalovirus in vitro infection of glioblastoma-derived neurospheres increases self-renewal capacity and confers resistance to temozolomide. 4th Workshop on Emerging Issues in Oncogenic Virus Research, San Pietro in Bevagna, Manduria Italy 2016

Kalejta, R.F., Albright, E.R., Lee, S.H., and Jacobs, D. Regulation of lysine demethylase genome association by a virus. Keystone Symposium on Chromatin and Epigenetics, Whistler, British Columbia, Canada, 2016

Lee, S.H., Albright, E.A., Lee, J.H., Jacobs, D.R., and **Kalejta, R.F.** Cellular defense against latent colonization foiled by human cytomegalovirus UL138. ICGEB DNA Tumor Virus Meeting, Trieste, Italy, 2015.

Albright, E.R., Lee, S.H., and **Kalejta, R.F.** Cellular defense against latent colonization foiled by human cytomegalovirus UL138 protein. Gordon Research Conference, Viruses and Cells, Girona, Spain, 2015

Iwahori, S. and **Kalejta, R.F.** Molecular determinants for the inactivation of the retinoblastoma tumor suppressor by the viral cyclin-dependent kinase UL97. Gordon Research Conference, Viruses and Cells, Girona, Spain, 2015

Lee, S.H., Albright, E.A., Lee, J.H., Jacobs, D.R., and **Kalejta, R.F.** Cellular defense against latent colonization foiled by human cytomegalovirus UL138. 40th International Herpesvirus Workshop, Boise, Idaho, 2015.

Jacobs, D.R., Lee, S.H., Albright, E.A., Blom, D.C., and **Kalejta, R.F.** Divergent latency determinants of unique herpesviruses maintain the repressive H3K27me3 histone modification associated with latent viral genomes. 40th International Herpesvirus Workshop, Boise, Idaho, 2015

Koelbl, J., Mead, D., **Kalejta, R.F.**, and Mielke, C. Rapid point-of-care molecular diagnostic test for congenital cytomegalovirus. 31st Clinical Virology Symposium, Daytona Beach, FL, 2015

Lee, S.H., Albright, E.A., Lee, J.H. and **Kalejta, R.F.** Cellular defense against latent colonization foiled by human cytomegalovirus UL138. 15th CMV and Betaherpesvirus Workshop, Brisbane, Australia, 2015.

Iwahori, S. and **Kalejta R.F.** Retinoblastoma protein cleft and LxCxE docking motif required for human cytomegalovirus vCdk UL97-mediated activation of E2F-responsive transcription. Keystone Symposium on Viruses and Human Cancer, Big Sky, Montana, USA, 2015

Lee, S.H., Albright, E.A., Lee, J.H. and **Kalejta, R.F.** Human cytomegalovirus UL138 maintains latency by preventing CtBP-1 and histone demethylase-mediated activation of viral immediate early transcription. 3rd ASM Conference on Viral Manipulation of Nuclear Processes, Washington, DC, 2014.

Lee, S.H., Albright, E.A., and **Kalejta, R.F.** Human cytomegalovirus UL138 maintains latency by preventing CtBP-1 and histone demethylase-mediated activation of viral immediate early transcription. Chromatin Control of Viral Infection Meeting. National Institutes of Health, Bethesda, Maryland, 2014.

Kalejta, R.F., and VanDeusen, H. Rb depletion inhibits the ability of HCMV to productively replicate. International Herpesvirus Workshop. Kobe, Japan, 2014.

Iwahori, S., and **Kalejta, R.F.** HCMV UL97 may inactivate the retinoblastoma (Rb) tumor suppressor in multiple ways. International Herpesvirus Workshop. Kobe, Japan, 2014.

Umana, A.C., Kenney, S.C., and **Kalejta, R.F.** Analog sensitive BGLF4, the Epstein-Barr virus protein kinase (PK). International Herpesvirus Workshop. Kobe, Japan, 2014.

Kalejta, R.F., and Liu, C. Human cytomegalovirus tumor transcriptome discovery through selective enrichment and RNA-seq. Emerging Oncogenic Viruses. San Pietro in Bavagna, Italy, 2014

Pasquarella, J.P., and **Kalejta, R.F.** Human cytomegalovirus enters latency via macropinocytosis. Keystone Conference: Ins and outs of viral infection: entry assembly, exit and spread. Breckenridge, Colorado, 2014

Bristol, J.A., Sun, X., Iwahori, S., Hagemeyer, S.R., Meng, Q., Barlow, E.A., Fingerroth, J.D., Tarakanova, V.L., **Kalejta, R.F.**, and Kenney, S.C. Hsp90 inhibitor 17-DMAG decreases expression of conserved herpesvirus protein kinases and reduces virus production in Epstein-Barr virus-infected cell. Protein Homeostasis & Viral Infection: from Mechanisms to Therapeutics NIH Workshop, Bethesda, MD, 2013

Iwahori, S., and **Kalejta, R.F.** Human cytomegalovirus UL97 inactivates retinoblastoma (Rb) family tumor suppressors via multiple phosphorylations. International Herpesvirus Workshop, Grand Rapids, Michigan, 2013

Lee, S.H., and **Kalejta, R.F.** Human cytomegalovirus UL138 protein suppresses transcription from the viral major immediate early promoter during latency. International Herpesvirus Workshop, Grand Rapids, Michigan, 2013

Qin, Q., and **Kalejta, R.F.** Insertion of myeloid-active elements into the human cytomegalovirus major immediate early promoter is not sufficient to drive its activation upon infection of undifferentiated myeloid cells. American Society for Virology Conference, Penn State University, University Park, PA, 2013

Qin, Q., and **Kalejta, R.F.** Insertion of myeloid-active elements into the human cytomegalovirus major immediate early promoter is not sufficient to drive its activation upon infection of undifferentiated myeloid cells. Gordon Research Conference, Viruses and Cells, Barga, Italy, 2013

Kalejta, R.F., and Iwahori, S. U69 v-Cdks phosphorylate retinoblastoma family proteins Rb, p107, and p130. 8th International Conference on HHV-6&7, Paris, France, 2013

Kalejta, R.F. HCMV and GBM: How to move forward. International CMV / Betaherpesvirus Workshop, San Francisco, California, 2012

Sun, X., Iwahori, S., **Kalejta, R.F.**, and Kenney, S. Hsp90 is required for the expression and activity of the EBV and HCMV viral kinases, and Hsp90 inhibitors decrease the EBV and HCMV virion production at non-toxic doses. EBV conference 2012

Iwahori, S., Hume, A.J., and **Kalejta, R.F.** Consensus Rb-binding LxCxE motifs and other sequences are required for human cytomegalovirus UL97-mediated phosphorylation of the retinoblastoma family tumor suppressors. International Herpesvirus Workshop, Calgary, Alberta, Canada, 2012

Albright, E. and **Kalejta, R.F.** Immortalized CD34+ cell lines model aspects of latency establishment for human cytomegalovirus. International Herpesvirus Workshop, Calgary, Alberta, Canada, 2012

Winkler, L., Hwang, J., and **Kalejta, R.F.** Ubiquitin-independent, proteasome-dependent degradation of cellular tumor suppressors Daxx and Rb by human cytomegalovirus pp71 requires 19S regulatory particle function. International Herpesvirus Workshop, Calgary, Alberta, Canada, 2012

Winkler, L.L and **Kalejta, R.F.** The 19S RP plays both proteolytic and non-proteolytic roles in the initiation of IE gene expression during human cytomegalovirus infection. American Society for Virology Conference, Madison, WI, 2012.

Iwahori, S., Hume, A.J., and **Kalejta, R.F.** consensus Rb-binding LXCXE motifs and other sequences are required for human cytomegalovirus UL97-mediated phosphorylation of the retinoblastoma family tumor suppressors. American Society for Virology Conference, Madison, WI, 2012.

Albright, E.R. and **Kalejta, R.F.** Immortalized CD34+ cell line model aspects of latency establishment for human cytomegalovirus. American Society for Virology Conference, Madison, WI, 2012.

VanDeusen, H. and **Kalejta, R.F.** Rb depletion is not sufficient to complement v-Cdk independent HCMV replication. American Society for Virology Conference, Madison, WI, 2012.

Qin, Q. and **Kalejta, R.F.** Newly expressed pp71 from a viral recombinant prevents silencing of human cytomegalovirus immediate early gene expression in undifferentiated THP-1 monocytes. American Society for Virology Conference, Madison, WI, 2012.

Kuny, C.V. and **Kalejta, R.F.** Exogenous nucleoside treatment partially rescues the DNA replication defect of the UL97 deletion mutant of human cytomegalovirus. American Society for Virology Conference, Madison, WI, 2012.

Winkler, L., and **Kalejta, R.F.** Role for 19S regulatory particle in proteasome-dependent, ubiquitin-independent degradation. 2nd Conference on Proteomics of Protein Degradation and Ubiquitin Pathways, San Diego, CA, 2012.

Ranganathan, P., Clark, P.A., Kuo, J.S., Salamat, S., and **Kalejta, R.F.** A survey of human cytomegalovirus genomic loci present in glioblastoma multiforme tissue samples. Society for NeuroOncology Annual Scientific Meeting, Orange County, CA, 2011.

VanDeusen, H., and **Kalejta, R.F.** Rb depletion is not sufficient to complement v-Cdk independent HCMV replication. ASM Conference: Nuclear Processes of DNA Viruses, Santa Fe, NM, 2011.

Kalejta, R.F. Human cytomegalovirus and cancer. International Herpesvirus Workshop, Gdansk, Poland, 2011.

Ranganathan, P., Clark, P., Kuo, J.S., Salamat, S., and **Kalejta, R.F.** A survey of human cytomegalovirus genomic loci present in glioblastoma multiforme tissue samples. International Herpesvirus Workshop, Gdansk, Poland, 2011.

Penkert, R.R., and **Kalejta, R.F.** Embryonic stem cells as a potential long-term model to study HCMV latency. International Herpesvirus Workshop, Gdansk, Poland, 2011.

Lee, S.H., **Kalejta, R.F.**, Kerry, J., Semmes, O.J., O'Connor, C.M., Khan, Z., Garcia, B.A., Shenk, T., and Murphy, E. BclAF1 restriction factor neutralized by proteasomal degradation and microRNA repression during human cytomegalovirus infection. International Herpesvirus Workshop, Gdansk, Poland, 2011.

Winkler, L.L., and **Kalejta, R.F.** Ubiquitin-independent, proteasome-dependent degradation of Daxx by human cytomegalovirus pp71 requires the 19S regulatory particle of the proteasome. International Herpesvirus Workshop, Gdansk, Poland, 2011.

Kuny, C.V., and **Kalejta, R.F.** The beta- and gamma-herpesviruses encode viral cyclin-dependent kinases (v-Cdks). Gordon Research Conference, Viruses and Cells, Lucca (Barga), Italy, 2011.

Lee, S.H., **Kalejta, R.F.**, Kerry, J., Semmes, O.J., O'Connor, C.M., Khan, Z., Garcia, B.A., Shenk, T., and Murphy, E. BclAF1 restriction factor neutralized by proteasomal degradation and microRNA repression during human cytomegalovirus infection. Gordon Research Conference, Viruses and Cells, Lucca (Barga), Italy, 2011.

Kuny, C.V., Hume, A.J., and **Kalejta, R.F.** v-Cdks. Keystone Symposium on the Evolution of Protein Phosphorylation, Keystone, Colorado, 2011.

Ranganathan, P., Clark, P., Kuo, J.S., Salamat, S., and **Kalejta, R.F.** A survey of human cytomegalovirus genomic loci present in glioblastoma multiforme tissue samples. International Herpesvirus Workshop, Salt Lake City, Utah, 2010.

Lee, S.H., Kerry, J.A., and **Kalejta, R.F.** Degradation of Btf is an additional mechanism through which the human cytomegalovirus pp71 protein stimulates viral immediate early gene expression. International Herpesvirus Workshop, Salt Lake City, Utah, 2010.

Penkert, R.R., and **Kalejta, R.F.** Tegument-delivered pp71 nuclear localization requires one or more factor present only in terminally differentiated cells. International Herpesvirus Workshop, Salt Lake City, Utah, 2010.

Hwang, J., Saffert, R.T., and **Kalejta, R.F.** Elongin B interacts with HCMV pp71 and is required for efficient viral lytic replication. International Herpesvirus Workshop, Salt Lake City, Utah, 2010.

Kuny, C.V., Chinchilla, K., Culbertson, M.R., and **Kalejta, R.F.** The beta- and gamma-human herpesviruses encode viral cyclin-dependent kinases (v-Cdks). International Herpesvirus Workshop, Salt Lake City, Utah, 2010.

Kuny, C.V., and **Kalejta, R.F.** Viral cyclin-dependent kinases: the v-Cdks. Keystone Symposium Cell Biology of virus entry, replication and pathogenesis. Taos, NM, 2010.

Hwang, J., and **Kalejta, R.F.** The human cytomegalovirus pp71 protein induces Daxx SUMOylation. The Ubiquitin Family, Cold Spring Harbor, NY, 2009

Saffert, R.T., Penkert, R.R., and **Kalejta, R.F.** A cellular intrinsic immune defense helps human cytomegalovirus establish latency in CD34+ cells. International Herpesvirus Workshop, Ithaca, NY, 2009.

Penkert, R.R., and **Kalejta, R.F.** Nuclear localization of tegument-delivered pp71 is facilitated by one or more factor present in terminally differentiated fibroblasts. International Herpesvirus Workshop, Ithaca, NY, 2009.

Kuny, C.V., Chinchilla, K., Culbertson, M., and **Kalejta, R.F.** Cyclin-dependent kinase-like activity is present in only a subset of the conserved herpesvirus protein kinases. International Herpesvirus Workshop, Ithaca, NY, 2009.

Kamil, J.P., Hume, A.J., Jurak, I., Munger, K., **Kalejta, R.F.**, and Coen, D.M. Convergent function, divergent mechanism: human cytomegalovirus UL97, papillomavirus E7, and retinoblastoma protein. International CMV / Betaherpesvirus Workshop, Boston, MA, 2009.

Ranganathan, P., Clark, P., Kuo, J., and **Kalejta, R.F.** Survey of human cytomegalovirus genomic loci present in primary glioblastoma multiforme tumor samples. McArdle Symposium on Cancer, Madison, WI, 2009.

Hume, A., Finkel, J., Kamil, J., Coen, D., Culbertson, M., and **Kalejta, R.F.** Phosphorylation of retinoblastoma protein by viral protein with cyclin-dependent kinase function. McArdle Symposium on Cancer, Madison, WI, 2009.

Kalejta, R.F. and Saffert, R.T. How human cytomegalovirus establishes latency. Burroughs Wellcome Fund Summer Conference, Denver, CO, 2008.

English, E.P., Isaacson, M.K., Sgro, J.Y., Gellman, S.H., and **Kalejta, R.F.** A β -peptide mimic of the HCMV gB heptad repeat is virolytic. International Herpesvirus Workshop, Estoril, Portugal 2008.

Hume, A.J., Finkel, J., Kamil, J., Coen, D., Culbertson, M., and **Kalejta, R.F.** Phosphorylation of the retinoblastoma protein by a viral protein with cyclin-dependent kinase function. International Herpesvirus Workshop, Estoril, Portugal 2008.

Hwang, J. and **Kalejta, R.F.** Regulation of Daxx by the human cytomegalovirus pp71 protein. International Herpesvirus Workshop, Estoril, Portugal 2008.

Kalejta, R.F., Kamil, J.P., Coen, D.M., Finkel, J.S., Culbertson, M.R., and Hume, A.J. Viral protein with cyclin-dependent kinase function phosphorylates retinoblastoma protein. American Society for Virology, Ithaca, New York 2008.

Kamil, J.P., Hume, A.J., Jurak, I., Munger, K., **Kalejta, R.F.**, and Coen, D.M. Papillomavirus E7 protein partially complements a human cytomegalovirus lacking its CDK-like Rb kinase, the UL97 protein. Molecular Biology of DNA Tumor Viruses Conference, Madison, WI, 2008.

Kamil, J.P., Hume, A.J., Jurak, I., Munger, K., **Kalejta, R.F.**, and Coen, D.M. An-Rb-inactivating protein from human papillomavirus partially compensates for the replication defect of UL97 null HCMV in quiescent cells. International Herpesvirus Workshop, Estoril, Portugal 2008.

Saffert, R.T., Penkert, R.R., and **Kalejta, R.F.** Investigating the sub-cellular localization of pp71 during HCMV infection of CD34+ cells. International Herpesvirus Workshop, Estoril, Portugal 2008.

Saffert, R.T. and **Kalejta R.F.** Virus uses cellular defense to colonize its host: how winning the battle means losing the war. American Society for Microbiology Conference: Manipulation of Nuclear Processes by DNA viruses. Charleston, South Carolina 2008.

Hume, A.J., and **Kalejta, R.F.** UL97 kinase activity is required for phosphorylation of the retinoblastoma protein during HCMV infection. International Herpesvirus Workshop, Asheville, North Carolina 2007.

Hume, A.J., and **Kalejta R.F.** Retinoblastoma protein phosphorylation in HCMV infected cells requires UL97 kinase activity. International CMV and betaherpesvirus workshop, Toulouse, France 2007.

Hwang, J. and **Kalejta, R.F.** Ubiquitin-independent degradation of Daxx by the proteasome and the human cytomegalovirus pp71 protein. International Herpesvirus Workshop, Asheville, North Carolina 2007.

Saffert, R.T. and **Kalejta, R.F.** Daxx represses HCMV gene expression in *in vitro* models of latency. International Herpesvirus Workshop, Asheville, North Carolina 2007.

Saffert, R.T. and **Kalejta, R.F.** Sub-cellular localization of tegument-delivered pp71 is different in cells that initiate lytic, or establish latent HCMV infections. International Herpesvirus Workshop, Asheville, North Carolina 2007.

Kalejta, R.F. How human cytomegalovirus establishes latency. Burroughs Wellcome Fund Summer Conference, Vancouver, BC, Canada, 2006.

Hwang, J. and **Kalejta, R.F.** Proteasome-dependent, ubiquitin-independent degradation of Daxx by the human cytomegalovirus pp71 protein. International Herpesvirus Workshop, Seattle, Washington 2006.

Saffert, R.T. and **Kalejta, R.F.** Differentiation-dependent pp71-mediated Daxx degradation correlates with HCMV IE1 gene expression in NT2 and THP-1 cells. International Herpesvirus Workshop, Seattle, Washington 2006.

Saffert, R.T. and **Kalejta, R.F.** Inactivating a cellular intrinsic immune defense mediated by Daxx is the mechanism through which the human cytomegalovirus pp71 protein stimulates viral immediate early gene expression. American Society for Virology, Madison, Wisconsin 2006.

Saffert, R.T. and **Kalejta, R.F.** Human cytomegalovirus tegument protein pp71 is necessary and sufficient for Daxx degradation. International Herpesvirus Workshop, Turku, Finland 2005.

Saffert, R.T. and **Kalejta, R.F.** A cellular intrinsic immune response against human cytomegalovirus mediated by Daxx is neutralized by the pp71 tegument protein. International Herpesvirus Workshop, Turku, Finland 2005.

Kalejta, R.F., Saffert, R.T., Shenk, T. Human cytomegalovirus pp71 is a BC/SOCS-box protein that binds to Elongins B and C. International Herpesvirus Workshop, Reno, Nevada 2004.

Kalejta, R.F., and Shenk, T. Human cytomegalovirus pp71 is a SOCS-box protein that degrades the Rb family of tumor suppressors through a proteasome-dependent, ubiquitin-independent mechanism. International Herpesvirus Workshop, Madison, WI, 2003.

Kalejta, R.F., and Shenk, T. Human cytomegalovirus pp71 degrades the Rb tumor suppressors through a proteasome-dependent, ubiquitin-independent mechanism, and stimulates cell cycle progression. International Herpesvirus Workshop, Cairns, Australia, 2002.

Kalejta, R.F., and Shenk, T. Human cytomegalovirus pp71 degrades the Rb tumor suppressors and stimulates cell cycle progression. The Cell Cycle, Cold Spring Harbor, NY, 2002.

Kalejta, R.F., and Shenk, T. The human cytomegalovirus protein pp71 induces DNA synthesis in quiescent cells by targeting members of the Rb family of tumor suppressors for degradation. International Herpesvirus Workshop, Regensburg, Germany, 2001.

Kalejta, R.F., Bechtel, J.T., and Shenk, T. The human cytomegalovirus protein pp71 induces DNA synthesis in quiescent cells by targeting the Rb family member p130 for degradation. Cell Cycle Keystone Symposium, Taos, NM, 2001.

Kalejta, R.F., Bechtel, J.T., and Shenk, T. Mutations that abolish the ability of the human cytomegalovirus pp71 protein to induce DNA synthesis in quiescent cells do not affect its ability to accelerate G1 phase cell cycle progression. International Herpesvirus Workshop, Portland, OR, 2000.

Kalejta, R.F., Bechtel, J.T., and Shenk, T. Human cytomegalovirus pp71 (UL82) accelerates cell cycle progression through G1 phase. International Herpesvirus Workshop, Cambridge, MA, 1999.

Dijkwel, P.A., Levenson, V.V., Wang, S., Pemov, A., Bavykin, S., **Kalejta, R.F.**, and Hamlin, J.L. Effects of chromosomal context of initiation at a mammalian chromosomal origin of replication. Eukaryotic DNA Replication, Cold Spring Harbor, NY 1995.

Kalejta, R.F., and Hamlin, J.L. Two novel electrophoretic assays authenticate the structures of replication intermediates on 2-D gels, and support a delocalized model of initiation in the CHO DHFR locus. Eukaryotic DNA Replication, Cold Spring Harbor, NY 1995.

Kalejta, R.F., Virshup, D.M., and Hamlin, J.L. Mimosine, an inhibitor of initiation at genomic origins, has no effect on initiation of SV40 DNA replication in vivo or on viral replication in vitro. Eukaryotic DNA Replication, Cold Spring Harbor, NY 1993.

Hamlin, J.L., Mosca, P.J., **Kalejta, R.F.**, Lin, H.B., and Dijkwel, P.A. Studies on mimosine and CPX – potential inhibitors of initiation in mammalian chromosomes. Eukaryotic DNA Replication, Cold Spring Harbor, NY 1993.

INVITED RESEARCH PRESENTATIONS:

Date	Invited Presentation	Location
September, 2003	UW-Madison Molecular Virology Seminar	Madison, WI
November, 2003	UMass Medical School Dept. of Mol. Gen. & Micro. seminar	Worcester, MA
July, 2004	International Herpesvirus Workshop	Reno, NV
April, 2005	International CMV and Betaherpesvirus Workshop	Williamsburgh, VA

August, 2005	International Herpesvirus Workshop	Turku, Finland
March, 2006	Gordon Conference: Viral Vectors for Gene Therapy	Ventura, CA
May, 2006	Symposium on Cytomegalovirus	Iowa City, IA
July, 2006	International Herpesvirus Workshop	Seattle, WA
May, 2007	International CMV and Betaherpesvirus Workshop	Toulouse, France
June, 2007	Gordon Conference: Viruses and Cells	Tilton, NH
July, 2007	International Herpesvirus Workshop	Asheville, NC
February, 2008	UW-Madison Molecular Virology Seminar	Madison, WI
March, 2008	ASM Conference: Manipulation of nuclear processes by DNA viruses	Charleston, SC
July, 2008	Molecular Biology of DNA Tumor Viruses Conference	Madison, WI
July, 2008	American Society for Virology Conference	Ithaca, NY
September, 2008	Fox Chase Cancer Center	Philadelphia, PA
October, 2008	Cytomegalovirus and Malignant Glioma Meeting	Boston, MA
March, 2009	UW-Madison Dept. of Medicine Grand Rounds	Madison, WI
April, 2009	Southern Illinois University School of Medicine	Springfield, IL
May, 2009	International CMV and Betaherpesvirus Workshop	Boston, MA
July, 2009	American Society for Virology Conference	Vancouver, BC Canada

	Plenary Talk	
July, 2009	International Herpesvirus Workshop	Ithaca, NY
November, 2009	LSU Health Sciences Center Dept. of Microbiology and Immunology	Shreveport, LA
March, 2010	Northwestern University Feinberg school of Medicine	Chicago, IL
March, 2010	Mayo Clinic Department of Molecular Medicine	Rochester, MN
November, 2010	Medical College of Wisconsin Dept. of Microbiology and Molecular Genetics	Milwaukee, WI
April, 2011	Cytomegalovirus and Malignant Glioma Meeting	Washington, DC
May, 2011	International CMV and Betaherpesvirus Workshop	Nuremberg, Germany
June, 2011	Symposium honoring Joyce L. Hamlin	Charlottesville, VA
September, 2011	Department of Microbiology & Immunology, University of Maryland Medical School	Baltimore, MD
October, 2011	ASM conference: Nuclear Processes of DNA Viruses	Santa Fe, NM
December, 2011	Tufts University, Department of Molecular Biology and Microbiology	Boston, MA
January 2012	Protein Degradation and Ubiquitin Pathways Conference	San Diego, CA
February, 2012	University of Florida, Department of Molecular Genetics and Microbiology	Gainesville, FL
March, 2012	Washington University St. Louis. Department	St. Louis, MO

	of Molecular Microbiology	
April, 2012	Stony Brook University Department of Molecular Genetics and Microbiology	Stony Brook, NY
July, 2012	ASV Conference State of the Art Lecture	Madison, WI
August, 2012	International Herpesvirus Workshop Keynote Address	Calgary, Alberta, Canada
November 2012	Congenital CMV / International CMV and Betaherpesvirus Workshop	San Francisco, CA
January, 2013	University of Arkansas for Medical Sciences, Department of Microbiology and Immunology	Little Rock, AR
June, 2013	Northwestern University Feinberg school of Medicine	Chicago, IL
July, 2013	Wisconsin Stem Cell Roundtable	Madison, WI
September, 2013	NCI CMV and GBM Workshop	Bethesda, MD
January, 2014	Ponce Medical School	Ponce, Puerto Rico
March, 2014	UW-Madison Cancer Therapy Discovery and Development Seminar	Madison, WI
April 2014	Meeting on CMV and Cancer	Cambridge, MA
June 2014	Meeting on Emerging Oncogenic Viruses	San Pietro in Bevagna, Manduria, Italy
September 2014	NIH Chromatin Control of Viral Infection Meeting	Bethesda, MD
October 2014	ASM Viral Manipulation of Nuclear Processes	Washington, DC
March 2015	Keystone Conference on Viruses and Human Cancers	Big Sky, Montana
July 2015	DNA Tumor Virus	Trieste, Italy

	Meeting	
February 2016	UNC Dept. of Microbiology and Immunology	Chapel Hill, NC
June 2016	Workshop on Emerging Issues in Oncogenic Virus Research	San Pietro in Bevagna, Manduria, Italy
September 2016	NIH Chromatin Control of Viral Infection Meeting	Bethesda, MD
November 2016	4 th China Herpesvirus Workshop	Wuhan, China
November 2016	Institut Pasteur of Shanghai	Shanghai, China
February 2017	Friedrich-Alexander University Erlangen-Nurnberg	Erlangen, Germany
March 2017	All Iowa Virology Conference	Ames, Iowa

SERVICE:**University Service**

Cell and Mol. Biol. Graduate Program Admissions Committee, 2004-2006
 Cancer Biology Faculty Search Committee, Department of Oncology, 2005
 Cancer Biology Faculty Search Committee, Department of Oncology, 2009
 Cell and Molecular Biology Graduate Program Recruiting Chair, 2009-2012
 Cell and Molecular Biology Advising and Orientation Committee 2009-2012
 Wisconsin Idea Seminar participant, 2010
 McArdle Seminar Committee Chair, 2010-2011; 2011-2012; 2012-2013
 Cancer Biology Faculty Search Committee, Department of Oncology, 2010
 Microbiology Doctoral Training Program Steering Committee, 2010-2013
 Faculty Advisory Committee, School of Medicine and Public Health, 2010-2013
 Reviewer and Discussant, Foundations in Biotechnology (Micro 875), 2011
 Faculty Senate 2011-2015
 Chair, Faculty Mentoring Committee (Nathan Sherer), 2011-2017
 WID/MIR/UWCCC Pilot Project Review Panel, 2012
 WPP/PERC New Investigator Program Review Panel, 2012
 McArdle Chair's Advisory Committee, 2013-2015
 McArdle Training Committee, 2014-

ICTR Pilot Award Program Project Review, 2015
Recreational Sports Board, 2015-2018
College of Letters & Science Research Misconduct Inquiry Committee, 2016

Professional Service

External Advisory Board, Northwestern University Medical School Program
Project Grant (PI: Abecassis), 2015-2020
Host and Organizer, 41st International Herpesvirus Workshop, Monona
Terrace, Madison, WI, 2016
Scientific Advisory Board and Session Chair, 40th International Herpesvirus
Workshop, 2015
Associate Editor, PLoS Pathogens 2014-2017
Scientific Advisory Board and Session Chair, 39th International Herpesvirus
Workshop, 2014
Session Chair, Protein Homeostasis and Viral Infection NIH Workshop, 2013
Scientific Advisory Board, and Local Organizing Committee, 38th International
Herpesvirus Workshop, 2013
Co-organizer, Betaherpesvirus Satellite, International Herpesvirus Workshop,
Grand Rapids, MI, 2013
External Reviewer-Committee of Nikki Thelman (PI: Steve Triezenberg), Van
Andel Research Institute, 2013-
Audio-Visual Coordinator, American Society for Virology conference, Madison,
WI, 2012
Co-organizer, Betaherpesvirus Satellite, International Herpesvirus Workshop,
Calgary, Alberta, Canada, 2012
Panelist, Viruses and breast cancer think tank (Avon Foundation), New York,
2012
External Reviewer-Thesis of J.P. Savaryn (PI: Scott Terhune), Medical College of
Wisconsin, 2012
Member, Virology – B study section (NIH-CSR), 2011-2015
Scientific Advisory Board, 36th International Herpesvirus Workshop, 2011
Co-organizer, Betaherpesvirus Satellite, International Herpesvirus Workshop,
Gdansk, Poland, 2011
Panelist, Cytomegalovirus and Glioma Meeting (Accelerate Brain Cancer Cure
Foundation), Washington DC, 2011
Editorial Board, Herpesviridae, 2010-2014
Editorial Board, The Journal of Virology, 2010-2017
Session Chair, Cell Biology of Virus Entry, Replication and Pathogenesis
Keystone Symposium, 2010
Discussion Leader, Viruses & Cells Gordon Research Conference, 2009
Scientific Advisory Board, 12th International CMV and Betaherpesvirus
Workshop, 2009
Session Co-Chair, Cytomegalovirus and Malignant Glioma Meeting (Brain
Tumor Society), Boston 2008
Session Convener, American Society for Virology Conference, 2008

Poster Session Organizer, American Society for Virology Conference, 2005

Outside Professional Activities

Consultant, Cubist Pharmaceuticals, 2010-2011
Consultant, Lucigen, 2014-2015

***Ad hoc* grant reviewer for:**

Action Medical Research (United Kingdom)
Bankhead-Coley Cancer Research Program (Florida Dept. of Health)
BBSRC bioscience for the future (United Kingdom)
Croatia-Israel Joint Research Program
Czech Science Foundation (GA CR)
Hazel Thorpe and George Gay Carmen Trust
Israel Science Foundation (ISF)
Italian Association for Cancer Research (ARIC)
Italian Ministry of Health
James and Esther King Biomedical Research Program (Florida Dept. of Health)
Medical Research Council (MRC; United Kingdom)
National Institutes of Health (NIH) ARRA applications
National Institutes of Health (NIH) VIRA study section (Feb 2010, Oct 2010)
National Institutes of Health (NIH) VIRB study section (Feb 2011)
National Institutes of Health (NIH) ZAI1 NVM-I study section (March 2014)
National Institutes of Health (NIH) ZAI1 RRS-M study section Chair
(December 2016)
National Science Foundation (NSF)
Pennsylvania Department of Health
US Army Research Office, Life Sciences Division

***Ad hoc* guest editor for:**

PLoS Pathogens

***Ad hoc* manuscript reviewer for:**

ACS Chemical Biology
Antimicrobial Agents and Chemotherapy
Blood
Cancer Biology and Therapy
Cancer Research
Cell
Cell Host and Microbe
Cellular Microbiology
Critical Reviews in Biochemistry and Molecular Biology

eLife
Experimental Virology and Medicine
Folia Microbiologica
Future Microbiology
Future Virology
Herpesviridae
International Journal of Cancer
Journal of Biological Chemistry
Journal of General Virology
Journal of Immunology
Journal of Medical Virology
Journal of Molecular Biology
Journal of Virology
mBio
New England Journal of Medicine
PLoS One
PLoS Pathogens
Proceedings of the National Academy of Sciences, USA
Reviews in Medical Virology
Science Advances
Science Signaling
Science Translational Medicine
Trends in Microbiology
Virology
Virology Journal
Virus Genes
Virus Research
Viruses

Faculty / Promotion reviewer for:

Case Western Reserve University
Eastern Virginia Medical School
Fred Hutchinson Cancer Research Center
Lerner Research Institute of the Cleveland Clinic
Louisiana State University Health Sciences Center - Shreveport
Medical College of Wisconsin
Northwestern University Feinberg School of Medicine
Texas A&M Health Sciences Center
University of Rochester
University of San Francisco