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Papillomavirus Targets Crossroads in Immune Signaling Reprinted from: *Viruses* 2015, 7(5), 2485-2506 <http://www.mdpi.com/1999-4915/7/5/2485>. 158. Robert Hollingworth and Roger J. Grand Modulation of DNA Damage and Repair Pathways by Human Tumour Viruses Reprinted from: *Viruses* 2015, 7(5), 2542-2591 <http://www.mdpi.com/1999-4915/7/5/2542>. 179. Caleb C. McKinney, Katherine L. Hussmann and Alison A. McBride The Role of the DNA Damage Response throughout the Papillomavirus Life Cycle Reprinted from: *Viruses* 2015, 7(5), 2450-2469 <http://www.mdpi.com/1999-4915/7/5/2450>. 228. Robert Hollingworth, George L. Skalka, Grant S. Stewart, Andrew D. Hislop, David J. Blackbourn and Roger J. Grand Activation of DNA Damage Response Pathways during Lytic Replication of KSHV Reprinted from: *Viruses* 2015, 7(6), 2908-2927 <http://www.mdpi.com/1999-4915/7/6/2752>. 249. Leisha Pentland and Joanna L. Parish Targeting CTCF to Control Virus Gene Expression: A Common Theme amongst Diverse DNA Viruses Reprinted from: *Viruses* 2015, 7(7), 3574-3585 <http://www.mdpi.com/1999-4915/7/7/2791>. 270. Jesus Omar Munoz Bello, Leslie Olmedo Nieva, Adriana Contreras Paredes, Alma Mariana Fuentes Gonzalez, Leticia Rocha Zavaleta and Marcela Lizano Regulation of the Wnt/ β -Catenin Signaling Pathway by Human Papillomavirus E6 and E7 Oncoproteins Reprinted from: *Viruses* 2015, 7(8), 4734-4755 <http://www.mdpi.com/1999-4915/7/8/2842>. 282. V Ketaki Ganti, Justyna Broniarczyk, Wiem Manoubi, Paola Massimi, Suruchi Mittal, David Pim, Anita Szalmas, Jayashree Thatte, Miranda Thomas, Vjekoslav Tomaiu and Lawrence Banks The Human Papillomavirus E6 PDZ Binding Motif: From Life Cycle to Malignancy Reprinted from: *Viruses* 2015, 7(7), 3530-3551 <http://www.mdpi.com/1999-4915/7/7/2785>. 304. Peng Sun, Li Dong, Alasdair I. MacDonald, Shahrzad Akbari, Michael Edward, Malcolm B. Hodgins, Scott R. Johnstone and Sheila V. Graham HPV16 E6 Controls the Gap Junction Protein Cx43 in Cervical Tumour Cells Reprinted from: *Viruses* 2015, 7(10), 5243-5256 <http://www.mdpi.com/1999-4915/7/10/2871>. 327. Sonia N. Whang, Maria Filippova and Penelope Duerksen-Hughes Recent Progress in Therapeutic Treatments and Screening Strategies for the Prevention and Treatment of HPV-Associated Head and Neck Cancer Reprinted from: *Viruses* 2015, 7(9), 5040-5065 <http://www.mdpi.com/1999-4915/7/9/2860>. 344. Ozlem Cesur, Clare Nicol, Helen Groves, Jamel Mankouri, George Eric Blair and Nicola J. Stonehouse The Subcellular Localisation of the Human Papillomavirus (HPV) 16 E7 Protein in Cervical Cancer Cells and Its Perturbation by RNA Aptamers Reprinted from: *Viruses* 2015, 7(7), 3443-3461 <http://www.mdpi.com/1999-4915/7/7/2780>. 377. Tamar Kleinberger Mechanisms of Cancer Cell Killing by the Adenovirus E4orf4 Protein Reprinted from: *Viruses* 2015, 7(5), 2334-2357 <http://www.mdpi.com/1999-4915/7/5/2334>. 396. Elizabeth I. Vink, Yueting Zheng, Rukhsana Yeasmin, Thomas Stamminger, Laurie T. Krug and Patrick Hearing Impact of Adenovirus E4-ORF3 Oligomerization and Protein Localization on Cellular Gene Expression Reprinted from: *Viruses* 2015, 7(5), 2428-2449 <http://www.mdpi.com/1999-4915/7/5/2428>. 421. Vi Zhiqiang Qin, Francesca Peruzzi, Krzysztof Reiss and Lu Dai Role of Host MicroRNAs in Kaposi's Sarcoma-Associated Herpesvirus Pathogenesis Reprinted from: *Viruses* 2014, 6(11), 4571-4580 <http://www.mdpi.com/1999-4915/6/11/4571>. 444.

Sommario/riassunto

Current worldwide estimates suggest that approximately 11% of all cancers are caused by viral infections. At present, there are eight viruses that have a strong association with cancer development namely, human papillomavirus, Epstein-Barr virus, Kaposi's sarcoma-associated herpes virus, human T-cell lymphotropic virus type I, Merkel cell

polyomavirus, hepatitis B and C viruses and human immunodeficiency virus. Some of these viruses and associated cancers, such as human papillomavirus and cervical cancer, are well studied and the causal link between infection and cancer development is established. However, the involvement of these known oncogenic viruses in cancer development at other body sites is not well understood and further study of these viruses continues to highlight novel mechanisms of cellular transformation. Other cancer-associated viruses are only recently discovered, such as Merkel cell polyomavirus, and further work is required to formally prove their role in cancer development. In this Special Issue, we seek to explore novel mechanisms of cellular transformation by oncogenic viruses, the role of viral infection in cancer development in understudied body sites and the potential role of novel viral pathogens in cancer development.
