INSIGHT REVIEW

Risks to the Americas associated with the continued expansion of chikungunya virus
A. M. Powers 1–5

REVIEW

Thirty years of baculovirus–insect cell protein expression: from dark horse to mainstream technology
M. M. van Oers, G. P. Pijlman & J. M. Vlak 6–23

ANIMAL

RNA viruses

Isolation of multiple novel paramyxoviruses from pteropid bat urine

Human microRNA-24 modulates highly pathogenic avian-origin H5N1 influenza A virus infection in A549 cells by targeting secretory pathway furin
E.-K. Loveday, S. Diederich, J. Pasick & F. Jean 30–39

P and M gene junction is the optimal insertion site in Newcastle disease virus vaccine vector for foreign gene expression
W. Zhao, Z. Zhang, L. Zsak & Q. Yu 40–45

Combinations of oseltamivir and fibrates prolong the mean survival time of mice infected with the lethal H7N9 influenza virus

Combinatorial library-based profiling of the antibody response against hepatitis C virus in humans

Triatoma virus structural polyprotein expression, processing and assembly into virus-like particles
R. Sánchez-Eugenia, F. Méndez, J. F. B. Querido, M. S. Silva, D. M. A. Guérin & J. F. Rodríguez 64–73

Porcine sapovirus replication is restricted by the type I interferon response in cell culture

Front cover illustration

These are images of HuH-7 transfected cells with HBV constructs expressing core gene in presence of pol protein with ε sequence (image c) or without ε sequence (image a). DAPI staining is shown in image b. Images courtesy of Dr Sébastien Laine, University of Bordeaux. See the paper by Deroubaix et al. in this issue for further information.
Lentivirus-mediated *Bos taurus* bta-miR-29b overexpression interferes with bovine viral diarrhoea virus replication and viral infection-related autophagy by directly targeting ATG14 and ATG9A in Madin--Darby bovine kidney cells


85–94

Genome segment 4 of *Antheraea mylitta* cytoplasmic polyhedrosis virus encodes RNA triphosphatase and methyltransferases

P. Biswas, A. Kundu & A. K. Ghosh

95–105

A bovine G8P[1] group A rotavirus isolated from an asymptomatically infected dog

M. Sieg, A. Rückner, C. Köhler, I. Burgener & T. W. Vahlenkamp

106–114

**DNA viruses**

Short-term kinetics of torque teno virus viraemia after induction immunosuppression confirm T lymphocytes as the main replication-competent cells


115–117

Equine herpesvirus type 1 replication is delayed in CD172a⁺ monocytc cells and controlled by histone deacetylases

K. Laval, H. W. Favoreel & H. J. Nauwynck

118–130

Glucocorticosteroids trigger reactivation of human cytomegalovirus from latently infected myeloid cells and increase the risk for HCMV infection in D+R⁺ liver transplant patients

E. Van Damme, S. Sauviller, B. Lau, B. Kesteleyn, P. Griffiths, A. Burroughs, V. Emery, J. Sinclair & M. Van Loock

131–143

**Retroviruses**

p53 as a retrovirus-induced oxidative stress modulator

S. J. Kim & P. K. Y. Wong

144–149

An avian leukosis virus subgroup J isolate with a Rous sarcoma virus-like 5′-LTR shows enhanced replication capability


150–158

HTLV-1 bZIP factor suppresses the centromere protein B (CENP-B)-mediated trimethylation of histone H3K9 through the abrogation of DNA-binding ability of CENP-B

R. Mukai & T. Ohshima

159–164

**PLANT**

**DNA viruses**

Characterization of the promoter of *Grapevine vein clearing virus*

Y. Zhang, C. A. Angel, S. Valdes, W. Qiu & J. E. Schoelz

165–169

**OTHER VIRUSES**

Human respiratory syncytial virus infection is inhibited by IFN-induced transmembrane proteins

W. Zhang, L. Zhang, Y. Zan, N. Du, Y. Yang & P. Tien

170–182

Expression of viral polymerase and phosphorylation of core protein determine core and capsid localization of the human hepatitis B virus

A. Deroubaix, Q. Osseman, A. Cassany, D. Bégu, J. Ragues, S. Kassab, S. Lainé & M. Kann

183–195

Temporal proteomic analysis and label-free quantification of viral proteins of an invertebrate iridovirus

I. A. İnce, S. Boeren, M. M. van Oers & J. M. Vlak

196–205
Human papillomavirus detection in paraffin-embedded colorectal cancer tissues
E. Tanzi, S. Bianchi, E. R. Frati, D. Amicizia, M. Martinelli, N. L. Bragazzi,
206–209

TSE AGENTS

Quantitative assessment of prion infectivity in tissues and body fluids by real-time quaking-induced conversion
D. M. Henderson, K. A. Davenport, N. J. Haley, N. D. Denkers,
C. K. Mathiason & E. A. Hoover
210–219