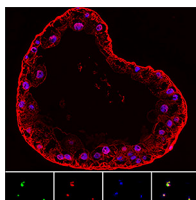


CONTENTS • MAY 2021 • VOLUME 89, NO. 5

COVER IMAGE



Cover photograph: Leucine-rich repeat domain-containing protein from *Haemaphysalis longicornis* (HILRR) was localized on the midgut membrane of uninfected tick (red). With the swallowing of *Babesia microti*-infected erythrocytes, colocalization of HILRR (red) with BmActin (green) on the *B. microti* was detected in the lumen of the tick midgut. (See related article at [e00268-20](https://doi.org/10.1128/IAI.00268-20).) (Copyright © 2021 American Society for Microbiology. All Rights Reserved.)

SPOTLIGHT

Articles of Significant Interest in This Issue e00150-21

MINIREVIEWS

I'm Infected, Eat Me! Innate Immunity Mediated by Live, Infected Cells Signaling To Be Phagocytosed e00476-20

Tim Birkle, G. C. Brown

The Complex Link between the Female Genital Microbiota, Genital Infections, and Inflammation e00487-20

Smritee Dabee, Jo-Ann S. Passmore, Renee Heffron, Heather B. Jaspán

MOLECULAR PATHOGENESIS

The KbvR Regulator Contributes to Capsule Production, Outer Membrane Protein Biosynthesis, Antiphagocytosis, and Virulence in *Klebsiella pneumoniae* e00016-21

Li Xu, Meng Wang, Jie Yuan, Hui Wang, Moran Li, Fusheng Zhang, Yujiao Tian, Jing Yang, Jingjie Wang, Bei Li

Sialidase of *Glaesserella parasuis* Augments Inflammatory Response via Desialylation and Abrogation of Negative Regulation of Siglec-5 e00696-20

Yuping Song, Qicong Pan, Jing Xiao, Wenjie Li, Hui Ma, Huanchun Chen, Xuwang Cai, Xiaojuan Xu

CELLULAR MICROBIOLOGY: PATHOGEN-HOST CELL MOLECULAR INTERACTIONS

Distinct Group B *Streptococcus* Sequence and Capsule Types Differentially Impact Macrophage Stress and Inflammatory Signaling Responses e00647-20

Rebecca A. Flaherty, David M. Aronoff, Jennifer A. Gaddy, Margaret G. Petroff, Shannon D. Manning

***Listeria monocytogenes* MenI Encodes a DHNA-CoA Thioesterase Necessary for Menaquinone Biosynthesis, Cytosolic Survival, and Virulence** e00792-20

Hans B. Smith, Tin Lok Li, Man Kit Liao, Grischa Y. Chen, Zhihong Guo, John-Demian Sauer

***Staphylococcus aureus* Tet38 Efflux Pump Structural Modeling and Roles of Essential Residues in Drug Efflux and Host Cell Internalization** e00811-20

Q. C. Truong-Bolduc, Y. Wang, D. C. Hooper

BACTERIAL INFECTIONS

Inhibition of the Classical Pathway of Complement Activation Impairs Bacterial Clearance during *Enterococcus faecalis* Infection e00660-20

Eman M. Rabie Shehab El-Din, Abdelaziz Elgaml, Youssif M. Ali, Ramadan Hassan

- Active Hexose-Correlated Compound Restores Gene Expression and Protein Secretion of Protective Cytokines of Immune Cells in a Murine Stress Model during *Chlamydia muridarum* Genital Infection** e00786-20
Tesfaye Belay, Rajnish Sahu, Elisha Martin, Kristen Brown, Courtney Rolan, Shomonique Hankins, Brianna Punturi, Maya Patterson, Chase Chambers, Brandon Kirby, Jonathan Butchar
- HOST RESPONSE AND INFLAMMATION**
- Differential Outcome between BALB/c and C57BL/6 Mice after *Escherichia coli* O157:H7 Infection Is Associated with a Dissimilar Tolerance Mechanism** e00031-21
Alan M. Bernal, Romina Jimena Fernández-Brando, Andrea Cecilia Bruballa, Gabriela A. Fiorentino, Gonzalo Ezequiel Pineda, Elsa Zotta, Mónica Vermeulen, María Victoria Ramos, Martin Rumbo, Marina Sandra Palermo
- Loss of Interleukin-10 (IL-10) Signaling Promotes IL-22-Dependent Host Defenses against Acute *Clostridioides difficile* Infection** e00730-20
Emily S. Cribas, Joshua E. Denny, Jeffrey R. Maslanka, Michael C. Abt
- mRNA Transcriptome Analysis of Bone in a Mouse Model of Implant-Associated *Staphylococcus aureus* Osteomyelitis** e00814-20
Yihuang Lin, Jianwen Su, Yutian Wang, Daorong Xu, Xianrong Zhang, Bin Yu
- RNA Sequencing Reveals Distinct Immune Responses in the Chorioamniotic Membranes of Women with Preterm Labor and Microbial or Sterile Intra-amniotic Inflammation** e00819-20
Kenichiro Motomura, Roberto Romero, Jose Galaz, Adi L. Tarca, Bogdan Done, Yi Xu, Yaozhu Leng, Valeria Garcia-Flores, Marcia Arenas-Hernandez, Kevin R. Theis, Meyer Gershater, Eunjung Jung, Chaur-Dong Hsu, Nardhy Gomez-Lopez
- FUNGAL AND PARASITIC INFECTIONS**
- RIPK3 Facilitates Host Resistance to Oral *Toxoplasma gondii* Infection** e00021-21
Patrick W. Cervantes, Bruno Martorelli Di Genova, Billy Joel Erazo Flores, Laura J. Knoll
- Evaluating the Role of STAT3 in CD4⁺ T Cells in Susceptibility to Invasive Aspergillosis** e00035-21
Wajiha Gohir, Lisa McTaggart, Julianne V. Kus, Tony Mazzulli, Deepali Kumar, Atul Humar, Shahid Husain
- In Vivo* and *In Vitro* Impairments in T Helper Cell and Neutrophil Responses against *Mucor irregularis* in *Card9* Knockout Mice** e00040-21
Lingyue Sun, Shuzhen Zhang, Zhe Wan, Ruoyu Li, Jin Yu
- Response of Leucine-Rich Repeat Domain-Containing Protein in *Haemaphysalis longicornis* to *Babesia microti* Infection and Its Ligand Identification** e00268-20
Jialing Yao, Zhengmao Xu, Zeyu Sun, Keke Zhou, Jinmiao Lu, Rongsheng Mi, Yan Huang, Xianghan Han, Keyi Ren, Zhaoguo Chen, Haiyan Gong
- Purinergic P2X7 Receptor Mediates the Elimination of *Trichinella spiralis* by Activating NF- κ B/NLRP3/IL-1 β Pathway in Macrophages** e00683-20
Fei Guan, Wangfang Jiang, Yang Bai, Xiao Hou, Chunjie Jiang, Chongyang Zhang, Muziazia Lupemba Jacques, Wenqi Liu, Jiahui Lei

MICROBIAL IMMUNITY AND VACCINES

Contribution of Noncanonical Antigens to Virulence and Adaptive Immunity in Human Infection with Enterotoxigenic *E. coli* e00041-21

F. M. Kuhlmann, R. O. Laine, S. Afrin, R. Nakajima, M. Akhtar, T. Vickers, K. Parker, N. N. Nizam, V. Grigura, C. W. Goss, P. L. Felgner, D. A. Rasko, F. Qadri, J. M. Fleckenstein

Broadly Reactive Human Monoclonal Antibodies Targeting the Pneumococcal Histidine Triad Protein Protect against Fatal Pneumococcal Infection e00747-20

Jiachen Huang, Aaron D. Gingerich, Fredejah Royer, Amy V. Paschall, Alma Pena-Briseno, Fikri Y. Avci, Jarrod J. Mousa

HOST-ASSOCIATED MICROBIAL COMMUNITIES

Taurine-Mediated IDOL Contributes to Resolution of *Streptococcus uberis* Infection e00788-20

Zhixin Wan, Riguo Lan, Yilin Zhou, Yuanyuan Xu, Zhenglei Wang, Zhenhua Luo, Jinfeng Miao