

TABLE OF CONTENTS

SPOTLIGHT

Article of Significant Interest Selected from This Issue by the Editors	323
---	-----

MINIREVIEWS

Components of the Calcium-Calcineurin Signaling Pathway in Fungal Cells and Their Potential as Antifungal Targets	Shuyuan Liu, Yinglong Hou, Weiguo Liu, Chunyan Lu, Weixin Wang, Shujuan Sun	324–334
How the Necrotrophic Fungus <i>Alternaria brassicicola</i> Kills Plant Cells Remains an Enigma	Yangrae Cho	335–344

ARTICLES

A Fungal Sarcolemmal Membrane-Associated Protein (SLMAP) Homolog Plays a Fundamental Role in Development and Localizes to the Nuclear Envelope, Endoplasmic Reticulum, and Mitochondria	Steffen Nordzicke, Thomas Zobel, Benjamin Fränzel, Dirk A. Wolters, Ulrich Kück, Ines Teichert	345–358
Signaling Domains of Mucin Msb2 in <i>Candida albicans</i>	Marc Swidergall, Lasse van Wijlick, Joachim F. Ernst	359–370
Host Erythrocyte Environment Influences the Localization of Exported Protein 2, an Essential Component of the <i>Plasmodium</i> Translocon	Elamaran Meibalan, Mary Ann Comunale, Ana M. Lopez, Lawrence W. Bergman, Anand Mehta, Akhil B. Vaidya, James M. Burns, Jr.	371–384
Puf4 Regulates both Splicing and Decay of <i>HXL1</i> mRNA Encoding the Unfolded Protein Response Transcription Factor in <i>Cryptococcus neoformans</i>	Virginia E. Glazier, Jan Naseer Kaur, Nancy T. Brown, Ashley A. Rivera, John C. Panepinto	385–395
MrSkn7 Controls Sporulation, Cell Wall Integrity, Autolysis, and Virulence in <i>Metarhizium robertsii</i>	Yanfang Shang, Peilin Chen, Yixiong Chen, Yuzhen Lu, Chengshu Wang	396–405
Yeast β -1,6-Glucan Is a Primary Target for the <i>Saccharomyces cerevisiae</i> K2 Toxin	Juliana Lukša, Monika Podolankaitė, Iglė Vepškaitė, Živilė Strazdaitė-Zielienė, Jaunius Urbonavičius, Elena Servienė	406–414
Defining the Morphology and Mechanism of the Hemoglobin Transport Pathway in <i>Plasmodium falciparum</i> -Infected Erythrocytes	Katharine J. Milani, Timothy G. Schneider, Theodore F. Taraschi	415–426
Role of Phosphatidylinositol Phosphate Signaling in the Regulation of the Filamentous-Growth Mitogen-Activated Protein Kinase Pathway	Hema Adhikari, Paul J. Cullen	427–440

Cover photograph (Copyright © 2015, American Society for Microbiology. All Rights Reserved.): Superresolution structured-illumination microscopy of hyphae of the filamentous fungus *Sordaria macrospora*. Fungal sarcolemmal membrane-associated protein (SLMAP) was labeled with GFP, and mitochondria and ER were stained with MitoTracker (red) and ER-Tracker (blue), respectively. The merged image shows localization of fungal SLMAP to the ER and mitochondria. (See related article on page 345.)