

E uc t n

- 2006 Ph.D. in Molecular Biology, New Mexico State University, Las Cruces, N.M. Dissertation: "Salicylate-inducible multiple drug resistance in . ." Advisor, Dr. John E. Gustafson
- 2003 M.S. in Molecular Biology, New Mexico State University, Las Cruces, N.M. Thesis: "Study of two pathogens representative of industrial and environmental settings in the Rio Grande transborder region: and O157:H7." Advisor, Dr. Geoffrey B. Smith
- 1999

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C urs r s nt t ns

2009-Present

Foundations in Medical Microbiology and Immunology	Graduate/Undergraduate
General Microbiology	Undergraduate
Public Health and Pathogenic Microbiology	Graduate/Undergraduate
Seminar in Microbiology	Undergraduate
Advances in Scientific Review	Graduate
Molecular Microbiology	Undergraduate
Molecular Biology of	Graduate

Curr culum v t J m s . r n, h. .

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Bergholz, T.M., L.M. Wick, W. Qi, **J. . r n**, L.M. Oullette, and T.S. Whittam* (2007) Global transcriptional response of O157:H7 to growth transitions in glucose minimal media. BMC Microbiol. : 97. (PMID 17967175) [PubMed](#)

Delgado, A., **J. . r n**, R. Lamichhane-Khadka, D.C. Winnett, J. Jimenez, K. Robinson, F.G. O'Brien, S.A. Cantore, and J.E. Gustafson* (2007) Presence of a hetero-vancomycin-intermediate methicillin-resistant isolate from a medical center in Las Cruces, New Mexico. Journal of Clinical Microbiology. (4): 1325. (PMID 17267639) [PubMed](#)

r n, J. ., A. Muthaiyan, W. Van Voorhies, C.T. Price, J.E. Graham, B.J. Wilkinson, and J.E. Gustafson* (2007) Response of to salicylate challenge. J. Bacteriol. (1): 220. (PMID17056754) [PubMed](#)

r n, J. ., J.O. O'Leary, and J.E. Gustafson* (2006) Contributions of and to distinct multiple antimicrobial resistance mechanisms of . Int. J. Antimicrob. Agents. (1): 54. (PMID 16777384) [PubMed](#)

Funk, P.A.*, C.B. Armijo, A.T. Hanson, Z.A. Samani, M.A. Macias-Garza, G.B. Smith, and **J. . r n** (2005) Converting gin and dairy wastes to methane. Transactions of the ASAE. (3): 1197.

B kCh t rs

Abu-Ali, G. S., A. C. Springman, L. M. Ouellette, L. Wick, W. Qi, S. K. Vanaja, T. M. Bergholz, D. W. Lacher, S. T. Walk, J. A. Tietjen, H. Steinsland, **J. . r n**, and S. D. Manning*. Molecular evolution of enterohemorrhagic and application to epidemiology. In, Population genetics of bacteria: a tribute to Thomas S. Whittam. ASM Press (ISBN 978-1-55581-535-6).

M nuscr ts n r r t n

Morgan, J. K., R. K. Carroll, C. M. Harro, K. W. Vendura, L. N. Shaw, and **J. . r n***. Function and regulation of the Rcs-GrvA pathway controlling virulence and fitness in enterohemorrhagic Escherichia coli (EHEC). (To be submitted to Molecular Microbiology in winter 2014).

Helal N., J. Cheer,

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Inv t S m n rs, st r r s nt t ns, n W rksh s

- Feb. 2013 Invited Seminar, Center for Infection Research in Cancer (CIRC), Moffitt Cancer and Research Center, Tampa, FL. "Correlates of invasive infections in patients with cancer."
- Feb. 2013 Invited Seminar,

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- secretion in O157:H7." (Poster presented by K. vendura, Riordan Lab B.S. student)
- Oct. 2011 97th Regional meeting of the ASM, Gainesville, FL. Helal, N., J. Cheer, L. Shaw, and **J. . r n***. Salicylate-inducible genotypic antibiotic resistance in . (Oral presentation by N. Helal, Riordan Lab Ph.D. student)
- Oct. 2011 97th Regional meeting of the ASM, Gainesville, FL. Fay, P., B. Creamer, A. Mitra, and **J. . r n***. Role for sigma N in the extreme acid resistance phenotype of . (Oral presentation by P. fay, Riordan Lab M.S. student)
- Oct. 2011 97th Regional meeting of the ASM, Gainesville, FL. Mitra, A., J. Morgan, K. Vendura, and **J. . r n***. Sigma N-dependent regulation of distinct mechanisms of pathogenesis in enterohemorrhagic . (Oral presentation by Dr. Riordan)
- Oct. 2011 97th Regional meeting of the ASM, Gainesville, FL. Morgan, J., S. Stevens, and **J. . r n***. A comparative proteomic analysis of distinct genetic lineages of enterohemorrhagic O157:H7. (Poster presentation by J. Morgan, Riordan Lab Ph.D. student)
- Sept. 2011 Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington D.C. J.T. Gant, N. S. Helal, W. Yu, M. Varela, **J. . r n**, and J. E. Gustafson*. A gene that affects fusidic acid resistance in .
- June 2011 Wind River Conference on Prokaryotic Biology, Estes Park, CO. Mitra, A., P. Fay, J. Morgan, and **J. . r n***. "Sigma N-dependent regulation of distinct mechanisms of pathogenesis in enterohemorrhagic .
- March 2010 Tamap FL. CMMB Graduate Student Open House. Avishek Mitra, Leonardo Estevez, and **J. . r n***. Pleiotropic effects of inactivation in O157:H7.
- May 2009 Philadelphia, PA. 109th meeting of the American Society for Microbiology (ASM). **J. . r n**, **J. .***, J. Tietjen, and C. Walsh. Characterization of sigma N contribution to acid resistance and type III secretion in EHEC.
- June 2008 Boston, MA. 108th meeting of the American Society for Microbiology (ASM). **J. . r n**, **J. .***, A. C. Springman, and T.S. Whittam. Contribution of sigma S and sigma N to stress fitness and virulence gene regulation in O157:H7.
- June 2008 Boston, MA. 108th meeting of the American Society for Microbiology (ASM). Sivapriya K.V., **J. . r n**, T.E. Besser, and T.S. Whittam*. Identification of differentially expressed genes in clinical- and bovine-specific genotypes of O157:H7.
- May 2007 Toronto, Canada. 107th meeting of the American Society for Microbiology (ASM). Lamichhane-Khadka, R., **J. . r n**, A. Muthaiyan, T. D. Reynolds, B. J. Wilkinson, and J. E. Gustafson*. 2007. Transcriptome and comparative genomic sequencing analysis of household disinfectant reduced susceptibility r0 1 496.78 400.9.e81 Tm(Kh)-4(adBT1 0 0 1 496.78 400.99 Tm[])(C.)5(-)-3(Sp)-5(r

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- 2014 Outside Chair for the defense of Ms. Courtney Coon's Ph.D. Dissertation, University of South Florida, Dept. Integrative Biology
- 2013 Host for STEM Research for High School Scholars (lecture/lab program)
- 2013 Outside Chair for the defense of Mr. Zachary Staley's Ph.D. Dissertation, University of South Florida, Dept. Integrative Biology
- 2013 Judge, 58th State Science and Engineering Fair of Florida, Lakeland, FL
- 2012-Present Annual Great American Teach-in, Lawton-Chiles Elementary, Tampa FL: "Germs"
- 2010-Present Hillsborough Community College, Tampa, FL BRIDGES Program Research Mentor
- 2001-2005 Research Mentor for NM Research Initiative for Scientific Enhancement (RISE) Program and for the NM BRIDGES Program for American Indians in Sciences and Humanities

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To Whom It May Concern

I certify that this curriculum vitae is a current and accurate statement of my professional record.

Dr. James T. Riordan



Signature: _____

Date: November 26, 2013