

## Curriculum Vitae

Interdisciplinary Research Bldg (ISA) 6206  
Department of Cell Biology, Microbiology & Molecular Biology  
University of South Florida  
4202 East Fowler Avenue  
Tampa, FL 33620

James T. Riordan, Ph.D.

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## Education

- 2006 Ph.D. in Molecular Biology, New Mexico State University, Las Cruces, N.M. Dissertation: "Salicylate-inducible multiple drug resistance in *Staphylococcus aureus*." 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: *Vibrio cholerae* and *Escherichia coli* O157:H7." Advisor, Dr. Geoffrey B. Smith
- 1999 B.S. in Biology, University of Massachusetts, Boston, MA. Honors Thesis: "Accelerated mutagenesis in resting and structured bacterial populations." Advisor, Dr. Michael Shiaris

## Academic positions held

- 2009-Present *Assistant Professor*, the University of South Florida, Department of Cell Biology, Microbiology and Molecular Biology, Tampa, FL. Advisor, Dr. John Greene
- 2006-2009 *Postdoctoral Research Associate*, Michigan State University, Department of Microbiology and Molecular Genetics, East Lansing, MI. Advisor, Dr. Thomas Whittam
- 2001-2006 *Graduate Research/Teaching Assistant*, New Mexico State University, Las Cruces, NM

## Non-academic positions held

- 1999-2001 *Research and Development Biologist*, American Type Culture Collection, Manassas, VA. Advisor, Dr. Jane Tang

## Curriculum vitae: James T. Riordan, Ph.D.

### Teaching and Mentorship

#### Course Presentations

2009-Present *University of South Florida:*

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 <i>Escherichia coli</i>	Graduate

2001-2005 *New Mexico State University:*

Biology, Laboratory Teaching Assistantship	Undergraduate
General Microbiology, Laboratory Teaching Assistantship	Undergraduate
Medical Microbiology, Teaching Assistantship	Undergraduate

#### Mentored Students

*Graduate students:*

2009-2010	Francis Rivera (M.S., Committee)
2009-2011	Tiffany Robison (M.S., Committee)
2009-Present	Avishek Mitra (Ph.D., student, <u>Major Advisor</u> )
2009-2012	Stacey Kolar (Ph.D., Committee)
2009-2012	Halie Miller (Ph.D., Committee)
2010-2011	Trevor Williams (M.S., Committee)
2010-2012	Pamela Fay (M.S., <u>Major Advisor</u> )
2010-2012	Nada Helal (M.S., <u>Major Advisor</u> )
2010-Present	Mary Mangiapia (M.S., Committee)
2010-2013	Pauline Wanjungi (Ph.D., Committee)
2010-Present	Jason Morgan (Ph.D., <u>Major Advisor</u> )
2010-Present	Christina Krute (Ph.D., Committee)
2010-Present	Whitney Burda (Ph.D., Committee)
2011-2012	Katherine Trammel (M.S., <u>Major Advisor</u> )
2012-Present	Kathleen Flickinger (M.S., <u>Major Advisor</u> )
2012-Present	Suzanne Young (Ph.D., Committee)
2012-Present	Priyanka Dutta (Ph.D., Committee)
2012-Present	Kathleen Jackson (M.S., Committee)
2013-Present	Damian Menning (Ph.D., Committee)

## Curriculum vitae: James T. Riordan, Ph.D.

2013-Present Rachel Schweers (Ph.D., Committee)

### *Undergraduate students: (Major Advisor)*

2009-2010 Salvatore Versaggi  
2010 Leonardo Estevez  
2010 Tasha Hinds  
2010 Dena Fauske  
2010-2011 Cesar Taborta  
2010-2011 Danielle Gagne  
2010 Neel Nabar  
2010-2011 Jessica Cheer  
2010 Mayennha Greuerre  
2010-2011 Bradley Creamer  
2010-Present Khoury Vendura  
2011-2012 Jacint Sachez  
2011-Present Carly Harro  
2011-2013 Erin Kennedy  
2011-2012 Chelsea Gorsline  
2011-Present Alyssa Rolfe  
2011 Lori Head  
2012-2013 Zimrisha Alla  
2013 Shayna Smeltzer  
2013-Present Jose Ortiz  
2013-Present Riley Bednar

## Scholarly Activity

### Publications

#### *Peer reviewed journal articles:*

Mitra A., P. A. Fay, K. W. Vendura, Z. Alla, R. Carroll, L. N. Shaw, and **J. T. Riordan\***. Essential components and stimuli of NtrC/ $\sigma^N$ -dependent regulation of acid resistance and the locus of enterocyte effacement (LEE) in enterohemorrhagic *Escherichia coli* (EHEC). (In review, Dec. 2013, *Molecular Microbiology*).

**Riordan J. T.**, P. A. Funk, C. B. Armijo, Z. Samani, A. T. Hanson, and G. B. Smith\*. Elimination of fecal coliforms, including *E. coli* O157:H7, during anaerobic digestion of dairy cattle manure amended with cotton gin waste. (In review, Nov. 2013, *J. Environ. Qual.*).

Morgan, J. K., K. W. Vendura, S. M. Stevens Jr., and **J. T. Riordan\*** (2013) RcsB determines the locus of enterocyte effacement (LEE) expression and adherence phenotype of *E. coli* O157:H7 spinach outbreak strain

## Curriculum vitae: James T. Riordan, Ph.D.

TW14359 and coordinates bicarbonate-dependent LEE activation with repression of motility. *Microbiology*. 159: 2342-2353. (PMID 23985143) [PubMed](#)

Mitra A., P. Fay, J. Morgan, K. Vendura, S. Versaggi and **J. T. Riordan\*** (2012) Sigma factor N, liaison to an *ntnC*- and *rpoS*-dependent regulatory pathway controlling acid resistance and LEE expression in enterohemorrhagic *Escherichia coli*. *PLoS One*. 7(9): e46288 (PMID 23029465) [PubMed](#)

**Riordan J.T.\***, J.M. Dupre, S.A. Cantore-Matyj, A. Kumar-Singh, Y. Song, S. Zaman, S. Horan, N. Helal, V. Nagarajan, M. O. Elasri, B.J. Wilkinson, and J.E. Gustafson (2011) Alterations in the transcriptome and antibiotic susceptibility of *Staphylococcus aureus* grown in the presence of diclofenac. *Annals Clin. Microbiol. Antimicrob.* 21(10): 30. (PMID 21774834) [PubMed](#)

Neupane, M.S., G. S. Abu-Ali, A. Mitra, S. D. Manning, and **J.T. Riordan\*** (2011) Shiga toxin 2 overexpression in *Escherichia coli* O157:H7 strains associated with severe human disease. *Microbial Pathogenesis*. 51(6): 466. (PMID 21864671) [PubMed](#)

Kolar, S.L., V. Nagarajan, A. Oszmiana, F. E. Rivera, H. K. Miller, J. E. Davenport, **J. T. Riordan**, J. Potempa, D. S. Barber, J. Koziel, M. O. Elasri, and L. N. Shaw\* (2011) NsaRS is a Cell-Envelope-Stress Sensing Two-Component System of *Staphylococcus aureus*. *Microbiol.* 157:2206. (PMID 21565927) [PubMed](#)

Abu-Ali, G., Ouellette, Henderson, Lacher, **J.T. Riordan**, T. S. Whittam, and S. D. Manning\* (2010) Increased adherence and expression of virulence genes in a lineage of *Escherichia coli* O157:H7 commonly associated with human infections. *PLoS One*. 5(4): e10167. (PMID 20422047) [PubMed](#)

**Riordan, J.T.\***, J.A. Tietjen, and Coliin W. Walsh, J. E. Gustafson, and T. S. Whittam (2009) Inactivation of alternative sigma factor 54 (RpoN) leads to increased acid resistance, and alters locus of enterocyte effacement (LEE) expression in *Escherichia coli* O157:H7. *Microbiol.* 156(Pt. 3): 719-730. (PMID 19942657) [PubMed](#)

Lamichhane-Khadka, R, S.A. Cantore, **J.T. Riordan**, A. Delgado, A.E.A. Norman, S. Duenas, S. Zaman, S. Horan, B.J. Wilkinson, and J.E. Gustafson\* (2009) *sarA* inactivation reduces vancomycin-intermediate and ciprofloxacin-resistance expression by *Staphylococcus aureus*. *Int. J. Antimicrob. Agents.* 34(2): 136-41. (PMID 19324528) [PubMed](#)

Lamichhane-Khadka, R., **J.T. Riordan**, A. Delgado, A. Muthaiyan, T.D. Reynolds, B.J. Wilkinson and J.E. Gustafson\* (2008) Genetic changes that correlate with the pine oil disinfectant-reduced susceptibility mechanism of *Staphylococcus aureus*. *J. App. Microbiol.* 105(6): 1973. (PMID 19120644) [PubMed](#)

**Riordan, J.T.**, S.B. Viswanath, S.D. Manning, and T.S. Whittam\* (2008) Genetic differentiation of *Escherichia coli* O157:H7 clades associated with human disease by real-time PCR. *J. Clin. Microbiol.* 46(6): 2070. (PMID 18400915) [PubMed](#)

## Curriculum vitae: James T. Riordan, Ph.D.

Bergholz, T.M., L.M. Wick, W. Qi, **J.T. Riordan**, L.M. Oullette, and T.S. Whittam\* (2007) Global transcriptional response of *Escherichia coli* O157:H7 to growth transitions in glucose minimal media. *BMC Microbiol.* **7**: 97. (PMID 17967175) [PubMed](#)

Delgado, A., **J.T. Riordan**, 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 *Staphylococcus aureus* isolate from a medical center in Las Cruces, New Mexico. *Journal of Clinical Microbiology.* **45**(4): 1325. (PMID 17267639) [PubMed](#)

**Riordan, J.T.**, A. Muthaiyan, W. Van Voorhies, C.T. Price, J.E. Graham, B.J. Wilkinson, and J.E. Gustafson\* (2007) Response of *Staphylococcus aureus* to salicylate challenge. *J. Bacteriol.* **189**(1): 220. (PMID17056754) [PubMed](#)

**Riordan, J.T.**, J.O. O'Leary, and J.E. Gustafson\* (2006) Contributions of *sigB* and *sarA* to distinct multiple antimicrobial resistance mechanisms of *Staphylococcus aureus*. *Int. J. Antimicrob. Agents.* **28**(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.T. Riordan** (2005) Converting gin and dairy wastes to methane. *Transactions of the ASAE.* **48**(3): 1197.

(\*Corresponding author)

## Book Chapters

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. T. Riordan**, and S. D. Manning\*. Molecular evolution of enterohemorrhagic *E. coli* and application to epidemiology. In, *Population genetics of bacteria: a tribute to Thomas S. Whittam.* ASM Press (ISBN 978-1-55581-535-6).

## Manuscripts in Preparation

Morgan, J. K., R. K. Carroll, C. M. Harro, K. W. Vendura, L. N. Shaw, and **J.T. Riordan\***. 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, A. Rolfe, L. N. Shaw, J. E. Gustafson and **J.T. Riordan\***. The salicylate-associated genotypic antibiotic resistance (SAGAR) phenotype. (To be submitted to *BMC Microbiology* in spring 2014).

## Curriculum vitae: James T. Riordan, Ph.D.

### Invited Seminars, Poster Presentations, and Workshops

#### Seminars & Workshops:

- Feb. 2013 Invited Seminar, Center for Infection Research in Cancer (CIRC), Moffitt Cancer and Research Center, Tampa, FL. "Correlates of invasive *Escherichia coli* infections in patients with cancer."
- Feb. 2013 Invited Seminar, Department of Biology, Saint Joseph's University, Philadelphia, PA. "Determinants of virulence regulation and pathogenic potential in *Escherichia coli*."
- Oct. 2012 Invited Plenary Talk, 98<sup>th</sup> Meeting of the Regional ASM, Athens, GA. "Genetic basis of hypervirulence in EHEC associated with severe human disease."
- Feb. 2012 Invited Seminar, School of Life Sciences, University of Las Vegas, Las Vegas, NV. "Sigma N: molecular liaison to discrete pathogenic mechanisms in EHEC."
- Oct. 2011 Invited Plenary Talk, 97<sup>th</sup> Meeting of Regional ASM, Gainesville, FL. "Sigma factor N: molecular liaison to discrete pathogenic mechanisms in EHEC."
- Sept. 2011 Invited Seminar, College of Medicine, University of South Florida, Tampa, FL. "Sigma factor N: molecular liaison to discrete pathogenic mechanisms in EHEC."
- May 2011 USF Sponsored Research, NIH Training Seminars on Grant Writing and Review.
- March 2010 Invited Seminar, Department of Food Science, Pennsylvania State University, State College, PA. Death by acid: sigma N commits *Escherichia coli* O157:H7 to death under extreme acid stress.
- Jan. 2009 Invited Seminar, Department of Biology, University of North Florida, Jacksonville, FL. Topic: Death by acid: sigma N commits *Escherichia coli* to certain death under acid stress.
- Jan. 2009 Invited Seminar, Department of Cell, and Molecular Microbiology, University of South Florida, Tampa, FL. Topic: Sigma N: A novel regulator of acid resistance and type III secretion in pathogenic *Escherichia coli*.
- June 2008 Invited Plenary Talk, Boston, MA. 108<sup>th</sup> meeting of the American Society for Microbiology, *colloquium* on the "Transmission of enteric pathogens through fresh produce: bacterial hitchhiking or adaption?" Topic: Genetic resolution of *Escherichia coli* O157:H7 genotypes using single nucleotide polymorphisms.
- July 2007 Advanced Microarray Data Analysis. Pathogen Functional Genomics Resource Center, J. Craig Venter Institute, Rockville, MD.
- April 2007 STEC associated HUS: Epidemiology, Pathogenesis, and Therapy/Prevention Workshop. Food and Waterborne Diseases Integrated Research Network. Cummings School of Veterinary Medicine, Tufts University, North Grafton, MA.
- June 2006 Invited Seminar, Department of Genetics and Microbiology, Michigan State University, National Food Safety and Toxicology Center, East Lansing, MI. Topic: Salicylate inducible multiple drug resistance in *Staphylococcus aureus*.
- May 2006 Invited Seminar, Rocky Mountain Laboratories (RML) NIH-NIAID, Hamilton, MT. Topic: Salicylate-inducible multiple drug resistance in *Staphylococcus aureus*.
- Oct. 2005 Guest Seminar, Department of Biology, Illinois State University, Normal, IL. Topic: The pine-oil reduced susceptibility phenotype of *Staphylococcus aureus*: cross resistance to antimicrobials.

## Curriculum vitae: James T. Riordan, Ph.D.

### Posters and Abstracts:

- June 2013 Wind River Conference on Prokaryotic Biology, Estes Park, CO. Jason K. Morgan, Ronan K. Carroll, Khoury W. Vendura, Lindsey N. Shaw, and **J.T. Riordan\***. Function and regulation of the RcsB-GrvA pathway controlling virulence and fitness factors in enterohemorrhagic *Escherichia coli* O157:H7 (Poster presentation by J. Morgan, Riordan Lab PhD Candidate).
- June 2013 Wind River Conference on Prokaryotic Biology, Estes Park, CO. Kathleen H. Flickinger, Pamela A. Fay, Chelsea Gorsline, Erin Kennedy, Dawn Ruge, Ramon Sandin, John Greene, and **J.T. Riordan\***. Molecular epidemiology of *Escherichia coli* causing extraintestinal infections in patients with cancer. (Poster presentation by K. Flickinger, Riordan Lab MS student).
- June 2013 Wind River Conference on Prokaryotic Biology, Estes Park, CO.
- Mar. 2013 Undergraduate Research Symposium, USF, Tampa, FL. Harro C., Morgan J., Vendura K., and **J.T. Riordan\***. "Identification and analysis of a novel promoter for the *Escherichia coli* common pilus ECP." (Poster presentation by C. Harro, Riordan Lab B.S. student).
- Mar. 2013 Undergraduate Research Symposium, USF, Tampa, FL. Rolfe A., Helal N., and **J. T. Riordan\***. "The salicylate-associated genotypic antibiotic resistance phenotype of *Escherichia coli*." (Poster presentation by A. Rolfe, Riordan Lab B.S. student).
- Oct. 2012 98<sup>th</sup> Regional Meeting of the ASM, Athens, GA. Flickinger K., Fay P., Kennedy E., Ruge D., Sandin R., Greene J., and **J.T. Riordan \***. "Genotypic analysis of *Escherichia coli* isolated from extraintestinal infections in patients with cancer." (Poster presentation by K. Flickinger, Riordan Lab M.S. candidate).
- Oct. 2012 98<sup>th</sup> Regional Meeting of the ASM, Athens, GA. Mitra A., Alla Z., and **J.T. Riordan \***. "Nitrogen availability influences extreme acid resistance and LEE expression in enterohemorrhagic *Escherichia coli*. (Poster presentation by A. Mitra, Riordan Lab Ph.D. candidate).
- Oct. 2012 98<sup>th</sup> Regional Meeting of the ASM, Athens, GA. Morgan J., Vendura K., Stevens S., and **J.T. Riordan \***. "RcsB directs LEE overexpression and decreased motility in an *E. coli* O157:H7 strain associated with severe human disease." (Poster presentation by J. Morgan, Riordan Lab Ph.D. candidate).
- May 2012 8<sup>th</sup> Int'l Symposium on VTEC Infections, Amsterdam, Netherlands. Mitra A., P. Fay, J. Morgan, and **J.T. Riordan \***. "Interplay of sigma factors dictates expression of extreme acid resistance and type III secretion in *Escherichia coli* O157:H7 (Poster presentation by A. Mitra, Riordan Lab Ph.D. candidate)
- May 2012 8<sup>th</sup> Int'l Symposium on VTEC Infections, Amsterdam, Netherlands. Morgan, J., S. Stevens, and **J.T. Riordan \***. "RcsB directs LEE overexpression in EHEC O157:H7 strains associated with severe human disease." (Oral presentation by J. Morgan, Riordan Lab Ph.D. student)
- Apr. 2012 USF Undergraduate Research Colloquium, Tampa, FL. Sanchez, J., P. Fay, and **J.T. Riordan \***. "Phenotypic analysis of *rpoN* operon genes in *E. coli* O157:H7." (Poster presented by J. Sanchez, Riordan Lab B.S. student)
- Apr. 2012 USF Undergraduate Research Colloquium, Tampa, FL. Gorsline, C., P. Fay, D. Ruge, R. Sandin, J. N. Greene, and **J.T. Riordan \***. "Genotyping of *Escherichia coli* isolated from extraintestinal infections in patients with cancer." (Poster presented by C. Gorsline, Riordan Lab B.S. student)
- Apr. 2012 USF Undergraduate Research Colloquium, Tampa, FL. Vendura, K., A. Mitra, and **J.T. Riordan \***. "Role of sigma N and enhancer-binding proteins in extreme acid resistance and type III

## Curriculum vitae: James T. Riordan, Ph.D.

- secretion in *Escherichia coli* O157:H7.” (Poster presented by K. vendura, Riordan Lab B.S. student)
- Oct. 2011 97<sup>th</sup> Regional meeting of the ASM, Gainesville, FL. Helal, N., J. Cheer, L. Shaw, and **J.T. Riordan** \*. Salicylate-inducible genotypic antibiotic resistance in *Staphylococcus aureus*. (Oral presentation by N. Helal, Riordan Lab Ph.D. student)
- Oct. 2011 97<sup>th</sup> Regional meeting of the ASM, Gainesville, FL. Fay, P., B. Creamer, A. Mitra, and **J.T. Riordan** \*. Role for sigma N in the extreme acid resistance phenotype of *Escherichia coli*. (Oral presentation by P. fay, Riordan Lab M.S. student)
- Oct. 2011 97<sup>th</sup> Regional meeting of the ASM, Gainesville, FL. Mitra, A., J. Morgan, K. Vendura, and **J.T. Riordan** \*. Sigma N-dependent regulation of distinct mechanisms of pathogenesis in enterohemorrhagic *E. coli*. (Oral presentation by Dr. Riordan)
- Oct. 2011 97<sup>th</sup> Regional meeting of the ASM, Gainesville, FL. Morgan, J., S. Stevens, and **J.T. Riordan** \*. A comparative proteomic analysis of distinct genetic lineages of enterohemorrhagic *Escherichia coli* 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.T. Riordan**, and J. E. Gustafson\*. A gene that affects fusidic acid resistance in *Staphylococcus aureus*.
- June 2011 Wind River Conference on Prokaryotic Biology, Estes Park, CO. Mitra, A., P. Fay, J. Morgan, and **J.T. Riordan** \*. “Sigma N-dependent regulation of distinct mechanisms of pathogenesis in enterohemorrhagic *E. coli*.
- March 2010 Tamap FL. CMMB Graduate Student Open House. Avishek Mitra, Leonardo Estevez, and **J.T. Riordan** \*. Pleiotropic effects of *rpoN* inactivation in *Escherichia coli* O157:H7.
- May 2009 Philadelphia, PA. 109<sup>th</sup> meeting of the American Society for Microbiology (ASM). **Riordan, J.T.\***, J. Tietjen, and C. Walsh. Characterization of sigma N contribution to acid resistance and type III secretion in EHEC.
- June 2008 Boston, MA. 108<sup>th</sup> meeting of the American Society for Microbiology (ASM). **Riordan, J.T.\***, A. C. Springman, and T.S. Whittam. Contribution of sigma S and sigma N to stress fitness and virulence gene regulation in *Escherichia coli* O157:H7.
- June 2008 Boston, MA. 108<sup>th</sup> meeting of the American Society for Microbiology (ASM). Sivapriya K.V., **J.T. Riordan**, T.E. Besser, and T.S. Whittam\*. Identification of differentially expressed genes in clinical- and bovine-specific genotypes of *Escherichia coli* O157:H7.
- May 2007 Toronto, Canada. 107<sup>th</sup> meeting of the American Society for Microbiology (ASM). Lamichhane-Khadka, R., **J.T. Riordan**, A. Muthaiyan, T. D. Reynolds, B. J. Wilkinson, and J. E. Gustafson\*. 2007. Transcriptome and comparative genomic sequencing analysis of household disinfectant reduced susceptibility mutants of *Staphylococcus aureus*.
- May 2007 Toronto, Canada. 107<sup>th</sup> meeting of the American Society for Microbiology (ASM). Kailasan-Vanaja, S., Bergholz, T.M., **Riordan, J.T**, Schaeffer, K. Whittam, T.S.\* 2007. Characterization of acid resistance in *Escherichia coli* O157:H7 *gadE* and *gadC* mutants.
- May 2006 Orlando, FL. 106<sup>th</sup> meeting of the American Society for Microbiology (ASM). **Riordan, J.T**, W. Van Voorhies, and J.E. Gustafson\*. Salicylate inhibits glycolysis and gluconate metabolism in *Staphylococcus aureus*.
- Dec. 2005 New Orleans, LA. Annual meeting of the Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). **Riordan, J.T**, Muthaiyan, A., Reihani, S., Hattangady, D.S., Wilkinson,



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- B.J., Graham, J.E., Price, C.D.T., and J. E. Gustafson.\* Transcriptional Profile of the Salicylate-Inducible Multiantimicrobial Resistance Phenotype of *Staphylococcus aureus*.  
June 2005 Atlanta, GA. 105<sup>th</sup> meeting of the American Society for Microbiology (ASM). Delgado, A., O'Brien, F.G., **J.T. Riordan**, Winnett, D.C., Robinson, K. and Gustafson, J.E.\* Survey of Las Cruces Methicillin Resistant *Staphylococcus aureus*.  
May 2005 Washington DC. 104<sup>th</sup> meeting of the American Society for Microbiology (ASM). **Riordan, J.T.**, M. Vasquez, P.A. Funk, Z. Samani, A. Hanson, and G.B. Smith.\* Elimination of fecal coliforms, including enterohaemorrhagic *Escherichia coli* (EHEC) O157:H7, during the anaerobic digestion of dairy cow manure and cotton gin waste.  
May 1999 Chicago, IL. 98<sup>th</sup> meeting of the American Society for Microbiology (ASM). **Riordan, J.T.** and M.P. Shiaris\*. Accelerated mutagenesis in structured and aging bacterial populations.

*\*Corresponding author*

## Awards and Honors

- 2012 CMMB Outstanding Undergraduate Research Award to E. Kennedy (Undergraduate Honors Student, Riordan Lab)  
2012 USF Excellence in Undergraduate Research Awards to K. Vendura and J. Sanchez (Undergraduate Student Researchers, Riordan Lab) totaling \$600.00  
2012 USF Excellence in Undergraduate Research to J. Cheer (Undergraduate Research Student, Riordan Lab), \$300.00  
2012 CDDI Travel Award to J. Morgan (PhD Candidate, Riordan Lab), \$1,200.00  
2012 VTEC Travel Awards to J. Morgan and A. Mitra (PhD Candidates, Riordan Lab), \$1,000.00  
2011 ASM Annual SE Regional Meeting Travel Awards to J. Morgan, A. Mitra, N. Helal, and P. Fay (Graduate Students, Riordan Lab), \$1,200.00  
2010 USF NIH Grants Proposal Award to J. Riordan, \$500.00.  
2005 Graduate Assistant Award, Department of Biology, New Mexico State University to J. Riordan, \$1,000.00  
2004 ASM Travel Grant to J. Riordan, \$500.00  
2002 Student Travel Grant, Biology Department, New Mexico State University to J. Riordan, \$200.00  
1998 NSF Research Experiences for Undergraduates Grant (NSF-REU) to J. T. Riordan, \$3,000.00

## Professional Service

### *Journal Review:*

Bentham e-Books, "Pathogenic *Escherichia coli* in Latin America", Dr. Alfredo Torres  
Clinical Microbiology and Infection  
PLoS One  
Foodborne Pathogens and Disease

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International Journal of Environmental Research and Public Health  
The Encyclopedia of Biotechnology in Agriculture and Food  
Journal of Bacteriology  
Microbial Pathogenesis  
Current Genomics

### *Grant review:*

2013 Ad hoc reviewer for the American Cancer Society IRG Program  
2012 Panel reviewer for the US DOD Defense Medical Research and Development Program  
2011 External reviewer for the Netherlands Organization for Scientific Research (NWO). Veni grants in the Innovational Research Incentives Scheme  
2006 External reviewer for the U.S. Army Research Laboratory's, Army Research Office (ARO)

### *Symposia:*

Oct. 2012 Clinical Microbiology Session Chair, 98<sup>th</sup> meeting of the ASM SEB  
Clinical Microbiology Session Judge, 98<sup>th</sup> meeting of the ASM SEB

### *Committee Assignments:*

#### Standing committees:

USF Departmental Graduate Committee (Member)  
USF Departmental Undergraduate Research Committee (Member)

#### *Ad hoc committees:*

USF Critical Learning Improvement Committee, CLIC (Chair)  
USF Departmental Textbook Review Committee (Member)  
USF Research Strategy Committee (Member)  
USF Cell and Computational Biology Search Committee (Member)  
USF Advisory Committee for Departmental move to ISA (Member)

### *Professional Society Memberships:*

2010-Present American Society for Microbiology Southeast Branch (ASM-SEB)  
1999-Present American Society for Microbiology (ASM)  
2011-Present Moffitt, Center for Infections Research in Cancer (CIRC)

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### *University and Community service:*

- 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, 58<sup>th</sup> 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

## Statement

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