

Curriculum Vitae

Name: **Jennifer McMillan Noto, PhD**

Office Address: 2215 Garland Avenue, MRB IV 1030C
Nashville, TN 37232

Date and Place of Birth: August 12, 1981, Cincinnati, OH

Home Address: 5600B Tennessee Avenue
Nashville, TN 37209

Cell Phone Number: 804-241-9209

Education:

2003 BS, *cum laude*, University of Mary Washington, Fredericksburg, VA

2008 PhD, *cum laude*, Department of Microbiology and Immunology, School of Medicine, Virginia Commonwealth University, Richmond, VA

Training:

2003-2008 Doctoral Research, Department of Microbiology and Immunology, Virginia Commonwealth University School of Medicine, Richmond, VA; Principal Investigator: Cynthia N. Cornelissen, PhD

2008-2014 Postdoctoral Fellowship, Department of Medicine, Division of Gastroenterology, Hepatology and Nutrition, Vanderbilt University Medical Center, Nashville, TN; Principal Investigator: Richard M. Peek, MD

2014-2017 Research Instructor, Department of Medicine, Division of Gastroenterology, Hepatology and Nutrition, Vanderbilt University Medical Center, Nashville, TN; Principal Investigator: Richard M. Peek, MD

2017-present Research Assistant Professor, Department of Medicine, Division of Gastroenterology, Hepatology and Nutrition, Vanderbilt University Medical Center, Nashville, TN; Principal Investigator: Richard M. Peek, MD

Professional Organizations:

2005-2008 Virginia Commonwealth University Women in Science (WIS)

2005-2009 Virginia Branch of the American Society for Microbiology (ASM)

2005-2009 American Society for Microbiology (ASM)

2008-2014 Vanderbilt University Medical Center Postdoctoral Association (VUMC-PDA)

2008-2014 Affiliate Member of the National Postdoctoral Association (NPA)

2008- present Vanderbilt University Medical Center Women on Track

2010-present American Association for the Achievement of Science (AAAS)

2014-present American Gastroenterology Association (AGA)

Intramural Professional Activities:

- 2008-2014 Vanderbilt University Postdoctoral Association Committee Member: Advocacy, Scholarly Learning, Web Communications, and Networking Committees
- 2008-2014 Vanderbilt University Postdoctoral Association Symposium Planning Committee
- 2009-2014 Vanderbilt University Postdoctoral Association Gastroenterology Representative
- 2010-2011 Vanderbilt University Postdoctoral Association Secretary/Treasurer
- 2011 Vanderbilt University Medical Center Grants and Fellowships Symposium Planning Committee
- 2011 Vanderbilt University Medical Center Postdoctoral Candidate Recruiting Event
- 2011-2014 Vanderbilt University Postdoctoral Association Senior Advisor
- 2012 Reviewer for Vanderbilt University Young Scientist Journal
- 2014-2017 Vanderbilt University Department of Pathology, Microbiology and Immunology PhD Mock Qualification Exam Committee Member

Extramural Professional Activities:

- 2009-present *Ad hoc* Reviewer: *The American Journal of Pathology, American Journal of Physiology Gastrointestinal and Liver Physiology, Antioxidants & Redox Signaling, Cancer Epidemiology, Cancer Epidemiology Biomarkers & Prevention, Cancer Research, Cell Host & Microbe, Digestive Diseases and Sciences, Frontiers in Infectious Diseases, Gastroenterology, Gut, Gut Microbes, Helicobacter, Infection and Immunity, The Journal of Biological Chemistry, The Journal of Cellular Biology, The Journal of Clinical Investigation, The Journal of Infectious Diseases, The Journal of Immunology, The Journal of International Medical Research, Journal of Pediatrics, Journal of the National Cancer Institute, Microbes and Infection, Microbial Pathogenesis, Molecular Biology Reports, Molecular Microbiology, Mucosal Immunology, PeerJ, PLoS ONE, PLoS Pathogens*
- 2017-present Review Editor, *Frontiers in Infectious Diseases*

Other Professional Activities:

- 2006-2007 Preparing Future Faculty Program, Center for Teaching Excellence, School of Graduate Studies, Virginia Commonwealth University, Richmond, VA
- 2007 ASM Robert J. Kadner Institute for Careers in Microbiology, University of Colorado, Boulder, CO

- 2009-2013 Vanderbilt Center for Teaching Workshops: GradSTEP 2009, PROF101 2009: Extreme Makeover Educator's Edition, GradSTEP 2010: Whole Teachers, PROF101 2010: Launching Successful Faculty Careers, GradSTEP 2011: Dimensions of Teaching, Career 101 2011: Life After the PhD, GradSTEP 2013: Beyond Four Walls: Transcending the Classroom
- 2010 Career Opportunities in the Biomedical and Biological Sciences Symposium, Vanderbilt University Medical Center, Nashville, TN
- 2011 9th Annual Meeting of the National Postdoctoral Association, National Institutes of Health, Bethesda, MD
- 2011 Grants and Fellowships Symposium, Vanderbilt University Medical Center, Nashville, TN
- 2012 10th Annual Meeting of the National Postdoctoral Association, Sir Francis Drake Hotel, San Francisco, CA
- 2013 11th Annual Meeting of the National Postdoctoral Association, The Medical University of South Carolina, Charleston, SC
- 2014 Exploring Avenues to Careers in Academia: Annual Career Symposium, Vanderbilt University Medical Center, Nashville, TN
- 2015 *Helicobacter pylori* and Gastric Cancer Research Symposium, Vanderbilt University Medical Center, Student Life Center, Nashville, TN
- 2016 The Digestive Disease Research Center Retreat, Vanderbilt University Medical Center, Student Life Center, Nashville, TN
- 2017 Negotiation Workshop, Biomedical and Research Training Office of Career Development, Vanderbilt University, Nashville, TN
- 2017 The Digestive Disease Research Center Retreat, Vanderbilt University Medical Center, Langford Auditorium, Nashville, TN
- 2018 Vanderbilt Institute for Infection, Immunology, and Inflammation Symposium, Vanderbilt University Medical Center, Student Life Center
- 2018 Digestive Disease Research Center Retreat, Vanderbilt University Medical Center, Student Life Center
- 2018 Vanderbilt Ingram Cancer Center Retreat "Microbiome & Cancer", Vanderbilt University Medical Center, Student Life Center

Special Awards or Recognition for Professional Activities:

- 2007 Travel Grant, 4th Mid-Atlantic Microbial Pathogenesis Meeting, Wintergreen, VA
- 2007 Graduate Student Association Travel Grant, School of Graduate Studies, Virginia Commonwealth University, Richmond, VA
- 2007 Best Oral Presentation, Virginia American Society for Microbiology, University of Richmond, Richmond, VA
- 2009 VICC Retreat Honorable Mention for Poster Presentation, Vanderbilt-Ingram Cancer Center, Nashville, TN
- 2010 VICC Retreat 1st Place Prize for Poster Presentation, Vanderbilt-Ingram Cancer Center, Nashville, TN
- 2010 Travel Scholarship, AGA Gastrointestinal Response to Injury Conference, Scottsdale, AZ
- 2011 FY11 Gastroenterology Service Award, Division of Gastroenterology, Vanderbilt University Medical Center, Nashville, TN
- 2011 Young Investigator Award, 16th International Workshop on *Campylobacter*, *Helicobacter* & Related Organisms, Vancouver, British Columbia, Canada
- 2012 National Postdoctoral Association Travel Award, 10th Annual Meeting of the National Postdoctoral Association, San Francisco, CA
- 2012 1st Prize for Outstanding Poster Presentation & Best Use of Shared Resources, 4th Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, Vanderbilt University, Nashville, TN
- 2012 Award of Excellence in Research, Division of Gastroenterology, Vanderbilt University Medical Center, Nashville, TN
- 2013 National Postdoctoral Association Travel Award, 11th Annual Meeting of the National Postdoctoral Association, Charleston, SC
- 2013 1st Prize for Outstanding Poster Presentation & Best Use of Shared Resources, 5th Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, Vanderbilt University, Nashville, TN
- 2013 1st Prize for Best in Category: Pathology, Microbiology and Immunology, 5th Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, Vanderbilt University, Nashville, TN
- 2013 Vanderbilt University 2012-2013 Postdoc of the Year, Vanderbilt Medical Alumni Association and Office of Biomedical Research, Education and Training, Nashville, TN

- 2013 Poster of Distinction, Digestive Disease Week 2013, Orlando, FL
- 2014 1st Prize for Best in Category: Pathology, Microbiology and Immunology, 6th Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, Vanderbilt University, Nashville, TN
- 2014 VICC Postdoctoral Scholar of the Year 2014, Vanderbilt-Ingram Cancer Center Retreat “Predictive Oncology”, Nashville, TN
- 2015 FASEB Travel Award, FASEB Gastrointestinal Tract XVI, Steamboat Springs, CO
- 2017 Societe Francaise de Microbiologie Best Poster Award, 19th International Workshop on *Campylobacter*, *Helicobacter* & Related Organisms, Nantes, France
- 2018 Poster of Distinction, Digestive Disease Week 2018, Washington, DC

Teaching Activities:

- 2005 Teaching Assistant, Microbiology and Immunology, School of Dentistry, Virginia Commonwealth University, Richmond, VA; Course Director: Todd O. Kitten, PhD
- 2006 Teaching Assistant, Saturday Questers High School Program for Microbiology and Immunology School of Medicine, Virginia Commonwealth University, Richmond, VA; Course Director: Gail E. Christie, PhD
- 2004-2007 Graduate Student Mentor, Department of Microbiology and Immunology, Virginia Commonwealth University School of Medicine, Richmond, VA
- 2005-2007 Laboratory Mentor, School of Medicine, Virginia Commonwealth University, Richmond, VA
- Alexandra Racanelli, VCU MD/PhD candidate
 - Lori Walsh, VCU MD/PhD candidate
 - Sarah Simmons, visiting high school student
 - Asheel Patel, VCU MS candidate
- 2007-2008 Graduate School Mentorship Program, Virginia Commonwealth University, Richmond, VA
- Geeta Subedi, VCU undergraduate student
- 2010-present Laboratory Mentor, School of Medicine and Interdisciplinary Graduate Program, Vanderbilt University, Nashville, TN
- 2010-2011, Joshua Bilsborrow, Vanderbilt medical student
 - 2010, Michelle Krakowiak, Vanderbilt PhD candidate
 - 2011, Matthew Varga, Vanderbilt PhD candidate
 - 2011-2012, Emily Alsentzer, Vanderbilt School for Science and Math high school student

- 2010-2012, Tinatin Khizanishvili, Vanderbilt Gastroenterology fellow
- 2012, Ben Gu, Vanderbilt School for Science and Math summer intern
- 2013, Josh Tam, Vanderbilt School for Science and Math high school student
- 2013-2014, Stephen Lee, Indiana University medical student
- 2014, Cassie Xu, Indiana University medical student
- 2015-2016, Eduardo Corea, Vanderbilt School for Science and Math high school student
- 2016, Matthew Minnette, Indiana University medical student
- 2016, Samuel Dooyema, Vanderbilt PhD candidate
- 2017, Chandler Brown, Gallaudet University college student

2011-2016 Lecturer in Microbial Diseases (M&IM 353), Department of Pathology, Microbiology and Immunology, Vanderbilt University, Nashville, TN; Course Director: Eric P. Skaar, PhD/MPH

2013-2016 Teaching Assistant “Obesity and the Microbiome”, Vanderbilt Program for Talented Youth, Vanderbilt Summer Academy, Nashville, TN; Course Director: Holly M. Algood, PhD

2015-2017 Lecturer in Microbiology (BIOL 2230), Division of Math and Natural Sciences, Nashville State Community College, Nashville, TN; Course Director: Danyvid Olivares-Villagomez, PhD

2016-present Lecturer in Infectious Disease Integrated Science Course (IDIS 5628), Department of Medicine, Division of Infectious Diseases, Vanderbilt University, Nashville, TN; Course Director: Holly M. Algood, PhD

2017-present Adjunct Professor in Microbiology (BIOL 2230), Division of Math and Natural Sciences, Nashville State Community College, Nashville, TN

Funding:

2006-2008 Ruth L. Kirschstein NRSA Institutional Research Training Grant (T32) T32AI07617-06, National Institute for Allergy and Infectious Diseases, Virginia Commonwealth University, Richmond, VA

2010-2013 Ruth L. Kirschstein NRSA for Individual Postdoctoral Fellows (F32) F32CA153539-01, National Cancer Institute, Vanderbilt University Medical Center, Nashville, TN

Publications:

1. **Noto JM**, Cornelissen CN. Identification of TbpA residues required for transferrin-iron utilization in *Neisseria gonorrhoeae*. *Infect Immun*. 2008; 76(5): 1960-1969. PMID: PMC2346694
2. Siburt CJ, Roulhac PL, Weaver KD, **Noto JM**, Mietzner TA, Cornelissen CN, Fitzgerald MC, Crumbliss AL. Hijacking transferrin bound iron: protein-receptor interactions essential for iron transport in *N. gonorrhoeae*. *Metallomics*. 2009; 1(3): 249-255. PMID: PMC2749328
3. Ogden SR, **Noto JM**, Allen SS, Patel DA, Romero-Gallo J, Washington MK, Fingelton B, Israel DA, Lewis ND, Wilson KT, Chaturvedi R, Zhao Z, Shyr Y, Peek RM. Matrix metalloproteinase-7 and premalignant host responses in *Helicobacter pylori*-infected mice. *Cancer Res*. 2010; 70(1): 30-35. PMID: PMC2804939
4. **Noto JM**, Peek RM. The role of *microRNAs* in *Helicobacter pylori* pathogenesis and gastric carcinogenesis. *Front Cell Infect Microbiol*. 2011; 1(21) 1-19. PMID: PMC3417373
5. Tan S, **Noto JM**, Romero-Gallo J, Peek RM, Amieva M. *Helicobacter pylori* perturbs iron trafficking in the epithelium to grow on the cell surface. *PLoS Pathog*. 2011; 7(5): e1002050. PMID: PMC3093365
6. Nagy TA, Wroblewski LE, Wang D, Piazuolo MB, Delgado A, Romero-Gallo J, **Noto J**, Israel DA, Ogden SR, Correa P, Cover TL, Peek RM. β -catenin and p120 mediate PPAR δ -dependent proliferation induced by *Helicobacter pylori* in human and rodent epithelia. *Gastroenterology*. 2011; 141(2): 553-564. PMID: PMC3152603
7. **Noto JM**, Peek RM. *Helicobacter pylori*: an overview. *Methods Mol Biol*. 2012; 921: 7-10. PMID: 23015485
8. **Noto JM**, Peek RM. The *Helicobacter pylori* *cag* pathogenicity island. *Methods Mol Biol*. 2012; 921: 41-50. PMID: PMC3547679
9. **Noto JM**, Peek RM. Genetic manipulation of a naturally competent bacterium, *Helicobacter pylori*. *Methods Mol Biol*. 2012; 921: 51-59. PMID: PMC3544407
10. **Noto JM**, Peek RM. *Helicobacter pylori*: pathogenesis of a persistent bacterial infection. In: Engleberg NC, DiRita V, Dermody TS, eds. *Schaechter's Mechanisms of Microbial Disease Fifth Edition*. Baltimore, MD: Lippincott Williams and Wilkins; 2012: 249-256.
11. Banerjee S, Siburt CJ, Mistry S, **Noto JM**, DeArmond P, Fitzgerald MC, Lambert LA, Cornelissen CN, Crumbliss AL. Evidence of Fe³⁺ interaction with the plug domain of the outer membrane transferrin receptor protein of *Neisseria gonorrhoeae*: implications for Fe transport. *Metallomics*. 2012; 4(4): 361-372. PMID: PMC3391718
12. Wei J, **Noto J**, Zaika E, Romero-Gallo J, Correa P, El-Rifai W, Peek RM, Zaika A. Pathogenic bacterium *Helicobacter pylori* alters the expression profile of p53 proteins isoforms and p53 response to cellular stresses. *Proc Natl Acad Sci USA*. 2012; 109(38): E2543-2550. PMID: PMC3458371

13. Zaika A, Wei J, **Noto J**, Peek RM. Regulation of p53 by *Helicobacter pylori*. *Oncotarget*. 2012; 3(10): 1057-1058. PMID: PMC3717956
14. **Noto JM**, Peek RM. Gastric-to-intestinal transdifferentiation and cancer. *Proc Natl Acad Sci USA*. 2012; 109(50): 20173-20174. PMID: PMC3528517
15. **Noto JM**, Gaddy JA, Lee JY, Piazuolo MB, Friedman DB, Colvin DC, Romero-Gallo J, Suarez G, Loh J, Tan S, Morgan DR, Wilson KT, Correa P, Cover TL, Amieva MR, Peek RM. Iron deficiency accelerates *Helicobacter pylori*-induced carcinogenesis in rodents and humans. *J Clin Invest*. 2013; 123(1): 479-492. PMID: PMC3533289
16. **Noto JM**, Khizanishvili T, Piazuolo MB, Chaturvedi R, Romero-Gallo J, Delgado AG, Khurana SS, Sierra JC, Krishna US, Suarez G, Powell AE, Goldenring JR, Coffey RJ, Yang VW, Correa P, Mills JC, Wilson KT, Peek RM. *Helicobacter pylori* promotes the expression of Krüppel-like factor 5, a mediator of carcinogenesis, *in vitro* and *in vivo*. *PLoS ONE*. 2013; 8(1): e54344. PMID: PMC3553174
17. Khurana SS, Riehl TE, Moore BD, Fassan M, Rugge M, Romero-Gallo J, **Noto J**, Peek RM, Stenson WF, Mills JC. The hyaluronic acid receptor CD44 coordinates normal and metaplastic gastric epithelial progenitor cell proliferation. *J Biol Chem*. 2013; 288(22): 16085-16097. PMID: PMC3668764
18. **Noto JM**, Piazuolo MB, Chaturvedi R, Bartel CA, Thatcher EJ, Delgado A, Romero-Gallo J, Wilson KT, Correa P, Patton JC, Peek RM. Strain-specific suppression of *microRNA-320* by carcinogenic *Helicobacter pylori* promotes expression of the anti-apoptotic protein, Mcl-1. *Am J Physiol Gastrointest Liver Physiol*. 2013; 305(11): G786-796. PMID: PMC3882435
19. Zhang Y, **Noto JM**, Hammond CE, Barth JL, Argraves WS, Backert S, Peek RM, Smolka AJ. *Helicobacter pylori*-induced post-transcriptional regulation of H-K-ATPase α -subunit gene expression by miRNA. *Am J Physiol Gastrointest Liver Physiol*. 2014; 306(7): G606-613. PMID: PMC4116396
20. Krakowiak MS/**Noto JM**, Piazuolo MB, Hardbower DM, Romero-Gallo J, Delgado A, Chaturvedi R, Correa P, Wilson KT, Peek RM. Matrix metalloproteinase 7 restrains *Helicobacter pylori*-induced gastric inflammation and premalignant lesions in the stomach by altering macrophage polarization. *Oncogene*. 2015; 34(14): 1865-1871. PMID: PMC4237684
21. Wei J, **Noto JM**, Zaika E, Romero-Gallo J, Piazuolo MB, Schneider B, El-Rifai W, Correa P, Peek RM, Zaika AI. Bacterial CagA protein induces degradation of p53 protein in a p14ARF-dependent manner. *Gut*. 2015; 64(7): 1040-1048. PMID: PMC4312278
22. Wroblewski LE, Piazuolo MB, Chaturvedi R, Schumacher M, Aihara E, Feng R, **Noto JM**, Delgado A, Israel DA, Zavros Y, Montrose MH, Shroyer N, Correa P, Wilson KT, Peek RM. *Helicobacter pylori* targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. *Gut*. 2015; 64(5): 720-730. PMID: PMC4329117

23. **Noto JM**, Lee JY, Gaddy JA, Cover TL, Amieva MR, Peek RM. Regulation of *Helicobacter pylori* virulence within the context of iron deficiency. *J Infect Dis.* 2015; 211(11): 1790-1794. PMID: PMC4447831
24. Bhardwaj V, **Noto JM**, Wei J, Andl C, El-Rifai W, Peek RM, Zaika A. *Helicobacter pylori* bacteria alter the p53 stress response via ERK-MDM2 pathway. *Oncotarget.* 2015; 6(3): 1531-1543. PMID: PMC4359312
25. **Noto JM**, Peek RM. Sound the alarmin: IL-33 commandeers the gastric immune response. *Cell Mol Gastroenterol Hepatol.* 2015; 1(2): 127-128. PMID: PMC5301144
26. Zaika AI, Wei J, **Noto JM**, Peek RM. Microbial regulation of p53 tumor suppressor. *PLoS Pathog.* 2015; 11(9): e1005099. PMID: PMC4574736
27. **Noto JM**, Peek RM. Micronutrients: A double-edged sword in microbial-induced gastric carcinogenesis. *Trends in Cancer.* 2015; 1(2): 136-144. PMID: PMC4662415
28. Moore B, Jin R, Romero-Gallo J, **Noto J**, Peek RM, Mills J. Identification of alanyl aminopeptidase (CD13) as a surface marker for isolation of mature gastric zymogenic chief cells. *Am J Physiol Gastrointest Liver Physiol.* 2015; 309(12): G955-964. PMID: PMC4683299
29. **Noto JM**, Peek RM. *Helicobacter pylori* and CagA under conditions of iron deficiency. *Gut Microbes.* 2015; 6(6): 377-381. PMID: PMC4826123
30. Shimizu T, Choi E, Petersen CP, **Noto JM**, Romero-Gallo J, Piazzuelo MB, Washington MK, Peek RM, Goldenring JR. Characterization of progressive metaplasia in the gastric corpus mucosa of Mongolian gerbils with *Helicobacter pylori*. *J Pathol.* 2016; 239(4): 399-410. PMID: PMC4958595
31. **Noto JM**, Romero-Gallo J, Piazzuelo MB, Peek RM. The Mongolian gerbil: a robust model of *Helicobacter pylori*-induced gastric inflammation and carcinogenesis. *Methods Mol Biol.* 2016; 1422: 263-280. PMID: PMC5915618
32. **Noto JM**. Paths and Places for GI Success: Research Scientists. *Cell Mol Gastroenterol Hepatol.* 2016; 2(4): 409-411. PMID: PMC5042598
33. Beckett A, Piazzuelo MB, **Noto JM**, Peek RM, Washington MK, Algood HMS, TL Cover. Dietary composition influences incidence of *Helicobacter pylori*-induced iron deficiency anemia and gastric ulceration. *Infect Immun.* 2016; 84(12): 3338-3349. PMID: PMC5116712
34. **Noto JM**, Chopra A, Loh JT, Romero-Gallo J, Piazzuelo MB, Watson M, Leary S, Beckett AC, Wilson KT, Cover TL, Mallal S, Israel DA, Peek RM. Pan-genomic analyses identify key *Helicobacter pylori* pathogenic loci modified by carcinogenic host microenvironments. *Gut.* 2017; 67(10): 1793-1804. PMID: PMC5857411

35. **Noto JM**, Peek RM. The gastric microbiome, its interaction with *Helicobacter pylori* and its potential role in the progression to stomach cancer. *PLoS Pathog.* 2017; 13(10): e1006573. PMID: PMC5629027
36. **Noto JM**, Peek RM. *Helicobacter pylori* makes a molecular incision to gain epithelial entry. *Cell Host Microbe.* 2017; 22(4): 434-436. PMID: PMC5656741
37. Beckett AC, Loh JT, Chopra A, Leary S, Lin AS, McDonnell WJ, Dixon B, **Noto JM**, Israel DA, Peek RM, Mallal S, Algood HMS, Cover TL. *Helicobacter pylori* genetic diversification in the Mongolian gerbil model. *PeerJ.* 2018; 6: e4803. PMID: PMC5961626
38. Horvat A, **Noto JM**, Wei J, Zaika E, Palrasu M, Ramatchandirin B, Schneider BG, El-Rifai W, Peek RM, Zaika AI. Regulation of p14ARF tumor suppressor by *Helicobacter pylori* in gastric epithelial cells. *Oncogene.* 2018; 37(37): 5054-5065. PMID: PMC6138561
39. **Noto JM**, Rose KL, Hachey AJ, Delgado AG, Romero-Gallo J, Schneider BG, Shah SC, Cover TL, Wilson, KT, Israel DA, Roa JC, Schey KL, Piazuolo MB, Peek RM. Carcinogenic *Helicobacter pylori* strains selectively dysregulate the *in vivo* gastric proteome, which may be associated with stomach cancer progression. *Mol Cell Proteomics.* 2018; Epub ahead of print. PMID: 30455363

Published Abstracts and Presentations:

1. **Noto JM**, Cornelissen CN. Analysis of the TbpA plug domain of *Neisseria gonorrhoeae* (Oral and Poster Presentations). 4th Mid-Atlantic Microbial Pathogenesis Meeting, February 12, 2007, Wintergreen, VA
2. **Noto JM**, Cornelissen CN. Analysis of the TbpA plug domain of *N. gonorrhoeae* (Poster Presentation). Virginia Commonwealth University 10th Annual Graduate Student Association Research Symposium, April 10, 2007, Richmond, VA
3. **Noto JM**, Cornelissen CN. Analysis of the TbpA plug domain of *Neisseria gonorrhoeae* (Poster Presentation). Virginia Commonwealth University 3rd Annual Women's Health Research Day, April 11, 2007, Richmond, VA
4. **Noto JM**, Cornelissen CN. Analysis of the TbpA plug domain of *N. gonorrhoeae* (Oral Presentation). Virginia Commonwealth University 35th Annual John C. Forbes Graduate Student Honors Colloquium, May 16, 2007, Richmond, VA
5. **Noto JM**, Cornelissen CN. Analysis of the TbpA plug domain of *Neisseria gonorrhoeae* (Oral Presentation). ASM Kadner Institute at the University of Colorado Boulder, July 22, 2007, Boulder, CO
6. **Noto JM**, Cornelissen CN. Identification of TbpA residues required for transferrin-iron utilization in *Neisseria gonorrhoeae* (Oral Presentation). Virginia ASM, University of Richmond, November 10, 2007, Richmond, VA

7. **Noto JM**, Cornelissen CN. Identification of TbpA residues required for transferrin-iron utilization in *N. gonorrhoeae* (Poster Presentation). American Society for Microbiology 108th General Meeting, June 3, 2008, Boston, MA
8. **Noto JM**, O'Brien DP, Romero-Gallo J, Krishna U, Chaturvedi R, Delgado A, Israel DA, Polk DB, Wilson KT, Peek RM. The role of DAF as a receptor for *H. pylori* and mediator of gastric inflammation (Poster Presentation). 1st Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, April 24, 2009, Nashville, TN
9. **Noto JM**, O'Brien DP, Romero-Gallo J, Krishna U, Chaturvedi R, Delgado A, Israel DA, Polk DB, Wilson KT, Peek RM. The role of DAF as a receptor for *Helicobacter pylori* and mediator of gastric inflammation (Poster Presentation). Vanderbilt-Ingram Cancer Center Retreat, May 5, 2009, Nashville, TN
10. **Noto JM**, Bartel CA, Piazuolo MB, Delgado A, Thatcher E, Correa P, Patton JG, Peek RM. Strain specific downregulation of *microRNA-320* by carcinogenic *Helicobacter pylori* promotes expression of cell survival protein, Mcl-1 (Poster Presentation). 2nd Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, March 9, 2010, Nashville, TN
11. **Noto JM**, Bartel CA, Thatcher E, Patton JG, Peek RM. Strain specific downregulation of *miR-320* by carcinogenic *Helicobacter pylori* promotes expression of cell survival protein, Mcl-1 (Oral Presentation). Digestive Disease Week 2010, May 4, 2010, New Orleans, LA
12. **Noto JM**, Bartel CA, Piazuolo MB, Delgado A, Thatcher E, Correa P, Patton JG, Peek RM. Strain specific downregulation of *miR-320* by carcinogenic *Helicobacter pylori* promotes expression of cell survival protein, Mcl-1 (Poster Presentation). Vanderbilt-Ingram Cancer Center Retreat: Genomic Approaches for Personalized Medicine, May 11, 2010, Nashville, TN
13. **Noto JM**, Piazuolo MB, Delgado A, Bartel CA, Thatcher E, Correa P, Patton JG, Peek RM. Strain specific downregulation of *miR-320* by carcinogenic *Helicobacter pylori* promotes expression of cell survival protein, Mcl-1 (Oral and Poster Presentations). AGA Gastrointestinal Response to Injury, September 30, 2010, Scottsdale, AZ
14. **Noto JM**, Digby G, Konopka J. Vanderbilt University Medical Center Postdoctoral Association. (Poster Presentation). 9th Annual Meeting of the National Postdoctoral Association. March 25, 2011, National Institutes of Health, Bethesda, MD
15. **Noto JM**, Piazuolo MB, Romero-Gallo J, Delgado AG, Tan S, Lee J, Correa P, Amieva MR, Peek RM. Iron deficiency amplifies *Helicobacter pylori* virulence and accelerates gastric carcinogenesis (Poster Presentation). 3rd Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, April 26, 2011, Nashville, TN
16. **Wroblewski LE**, **Noto JM**, Romero-Gallo J, Delgado A, Piazuolo MB, Suarez G, Israel DA, Correa P, Philpott DJ, Peek RM. Up-regulation of the *Helicobacter pylori* receptor decay-accelerating factor is mediated by peptidoglycan-dependent activation of NOD1 (Oral

Presentation). Digestive Disease Week 2011, May 7, 2011, Chicago, IL

17. **Noto JM**, Piazuolo MB, Romero-Gallo J, Delgado AG, Tan S, Lee J, Correa P, Amieva MR, Peek RM. Iron deficiency amplifies *Helicobacter pylori* virulence and accelerates gastric carcinogenesis (Oral Presentation). Digestive Disease Week 2011, May 10, 2011, Chicago, IL
18. **Wroblewski LE**, **Noto JM**, Romero-Gallo J, Delgado A, Piazuolo MB, Suarez G, Israel DA, Correa P, Philpott DJ, Peek RM. Snail and peptidoglycan-dependent activation of NOD1 mediates up-regulation of the *Helicobacter pylori* receptor decay-accelerating factor (Poster Presentation). 16th International Workshop on *Campylobacter, Helicobacter & Related Organisms*, August 30, 2011, Vancouver, British Columbia, Canada
19. **Noto JM**, Lee J, Piazuolo MB, Romero-Gallo J, Gandhi N, Tan S, Correa P, Amieva MR, Peek RM. Iron deficiency augments the frequency and severity of *Helicobacter pylori*-induced gastric carcinogenesis (Oral and Poster Presentations). 16th International Workshop on *Campylobacter, Helicobacter & Related Organisms*, September 1, 2011, Vancouver, British Columbia, Canada
20. Wei J, **Noto JM**, El-Rifai W, Peek RM, **Zaika A**. Differential regulation of p73 and p53 by tumorigenic bacteria *Helicobacter pylori* (Oral Presentation) 5th International p53/p73 Workshop, September 12, 2012, Lyon, France
21. Schwetz TA, Martinez-Finley E, Durkin D, Digby G, **Noto JM**. Vanderbilt University Medical Center Postdoctoral Association (Poster Presentation). 10th Annual Meeting of the National Postdoctoral Association, March 17, 2012, San Francisco, CA
22. **Noto JM**, Gaddy JA, Lee J, Piazuolo MB, Friedman DB, Romero-Gallo J, Tan S, Wilson KT, Correa P, Cover TL, Amieva MR, Peek RM. Iron deficiency amplifies the carcinogenic potential of *Helicobacter pylori* by enhancing function of the *cag* type IV secretion system (Poster Presentation). 4th Annual Vanderbilt Postdoctoral Research and Shared Resources Symposium, May 2, 2012, Nashville, TN
23. **Khizanishvili T**, **Noto JM**, Piazuolo MB, Delgado AG, Yang VW, Correa P, Peek RM. *Helicobacter pylori* promotes expression of a mediator of carcinogenesis, Krüppel-like factor 5, *in vitro* and *in vivo* (Oral Presentation). Digestive Disease Week 2012, May 19, 2012, San Diego, CA
24. **Wroblewski LE**, Nagy TA, Chaturvedi R, Piazuolo MB, Romero-Gallo J, **Noto JM**, Wilson KT, Correa P, Peek RM. *Helicobacter pylori* upregulates Snail via p38 MAPK- and TGF β -signaling to promote epithelial-mesenchymal transition and disruption of apical-junctional complexes (Poster Presentation). Digestive Disease Week 2012, May 20, 2012, San Diego, CA
25. Wei J, **Noto JM**, El-Rifai W, Peek RM, **Zaika A**. Interaction of gastric epithelial cells with *Helicobacter pylori* comprises a functional switch from p53 tumor suppressor to p73 protein (Oral Presentation). Digestive Disease Week 2012, May 21, 2012, San Diego, CA
26. **Noto JM**, Gaddy JA, Lee JY, Piazuolo MB, Friedman DB, Romero-Gallo J, Tan S, Wilson

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