

Mary K. Hondalus
Curriculum Vitae

1. Academic History

Name: Mary K. Hondalus

Present rank: Associate Professor of Infectious Diseases

Proportional Time Assignment: 50% Teaching, 40% Administrative, 10% service

Tenure Status: tenured

Graduate Faculty Status: Graduate Faculty, 2005- Present

Highest Degree, Institution, and Date:

Ph. D. Temple University School of Medicine, Philadelphia, PA, 1995
D.V.M. Michigan State University, East Lansing, MI, 1984
B. S. Michigan State University, East Lansing, MI, 1982 (degree conferred upon completion of two years of the veterinary curriculum)

Academic Positions:

2015-present Director of Pre-Clinical Academic Affairs

2010-present Associate Professor
Department of Infectious Diseases, College of Veterinary Medicine
University of Georgia

2010-present Coordinator of the DVM-MPH Dual Degree Program

2004-2009 Assistant Professor
Department of Infectious Diseases, College of Veterinary Medicine
University of Georgia

2001-2004 Research Scientist, Department of Immunology and Infectious Diseases,
Harvard School of Public Health, Boston MA

1999-2001 Research Associate, Department of Immunology and Infectious Diseases,
Harvard School of Public Health, Boston, MA

1995-1999 Postdoctoral Associate, Howard Hughes Medical Institute at the Albert
Einstein College of Medicine, Bronx NY

Dec. 1991 Relief Large Animal Medicine Clinician, Tufts University Veterinary School,
N. Grafton, MA

1988-1989 Clinical Fellow, Tufts University Veterinary School, N. Grafton, MA

April 1988 Relief Large Animal Medicine Clinician, University of Prince Edward Island,
Atlantic College of Veterinary Medicine, Charlottetown, P.E.I., Canada

1986-1988 Resident Large Animal Internal Medicine, Tufts Veterinary School, N.
Grafton, MA

Professional Positions:

- 1985 – 1986 Part-time Small Animal Veterinarian
Northfield Animal Hospital, Northfield, NJ
- 1984 – 1986 Associate Equine Veterinarian,
Leonard J. Patrick, DVM, PA, Moorestown, NJ

Awards and Honors:

- 2019 Appreciation Award for Contribution to SAVMA
- 2017-2018 UGA Women’s Leadership Fellow
- 2018 Certificate of Appreciation for service to the Oasis Community
- 2015 UGA Excellence in Teaching Award
- 2015 Faculty Recognition Award from the CVM Class of 2018
- 2014-2015 Service-Learning Fellow
- 2015 Certificate of Appreciation for leading Dive in 2 Science Summer Camp
- 2014 Tyler Award for Innovation in Teaching
- 2014 Certificate for Diversity and Inclusion in Veterinary Medicine
- 2007-2009 Lilly Teaching Fellow
- 2006 Bowen Award for Research Excellence
- 1995 Board Certification American College of Veterinary Internal Medicine
- 1984 D.V.M. “with Honors”
- 1984 Member of the Society of Phi Zeta (Veterinary Honorary Society)
- 1982 B.S. “with High Honors”
- 1982 Member Golden Key Honorary Society

2. Resident Instruction

a) New Course Development:

IDIS 5900 Special Topics in Infectious Diseases “Veterinary International Internship”
Summer 2016, Summer 2017, Summer 2018, Summer 2019 – Course Coordinator

Course Description: This course is for veterinary students who are recipients of the UGA Asia Freeman Scholarship that helps to fund their international work experience. Student participate in an independent international experience of a minimum of 60 hours with an entity in Asia.

Semester hours: 1.0

VETM 5150 Applied Integrative Materials Spring 2015 – Course Coordinator

Course Description: This course follows VETM 5140 and is an interactive course that requires students in the second semester of the curriculum to integrate the information and knowledge from the concurrent core courses and fall semester courses and apply that information and knowledge to cases, situations and relevant problems they may encounter in their future career. All 114 first-year veterinary students enrolled.

Semester hours: 1.0

-VETM 5140 Applied Integrative Materials Fall 2015 – Course Coordinator

Course Description: This interactive course is the prerequisite for VETM 5140 and requires students in the first semester of the curriculum to integrate the information and knowledge from the concurrent core courses and apply that information and knowledge to cases, situations and relevant problems they may encounter in their future career. All 114 first-year veterinary students enrolled.

Semester hours: 1.0

-One Health Costa Rica – Summer 2015 – Co-Course coordinator; Co-organizer

Course Description: This 2-week long study abroad experience was developed and led by myself and Dr. Marsha Black, of the Department of Environmental Health Science in the College of Public Health and took place in July 2015 in Costa Rica. Our objective was to create an interdisciplinary learning environment while exploring the connections between human health, animal health, public health, and environmental sustainability. By using Costa Rica as a back drop, we explored topics such as the effect of climate change on infectious disease transmission and water quality, the impact of development on marine health and indigenous cultures, and demonstrate how the collaborative efforts of human, animal and environmental health professionals can improve disease risk identification and transmission prevention. We took 11 students (undergraduate, graduate, and veterinary students) of various disciplines (2 MPH students, 1PhD student in environmental science, 5 veterinary students, and 3 undergraduates).

Contact hours: 2 full weeks

- IDIS/VBDI 5230S, Special Topics in Public Health, Community Engagement, and Service Learning. Spring 2014 – Course Coordinator

Course Description: This service-learning course is required for dual DVM-MPH students. Others may enroll if space permits. Space is generally limited to 8 students. Introduction to concepts of service learning and community engagement. Goal is to develop positive professional attitudes that encompass cultural competencies, utilize professional skills and knowledge in addressing community needs, with emphasis on local underserved societal segments. Emphasis on “One Health” concepts and initiatives that pertain to service-learning objectives. Incorporates student completion of a service-learning project in the Athens community. *Is the first designated service learning course in the veterinary curriculum.*

Semester hours: 1; Contact hours: 15

- IDIS 5900, Special Topics in Infectious Diseases. Maymester 2007 – Course Coordinator

Course Description: Course offered as part of a Study Abroad in Public Health in Vietnam (see below). In this course, infectious diseases of public health concern specific to Vietnam were discussed with particular attention devoted to Avian Influenza, Tuberculosis, and HIV. The role of the veterinarian in zoonotic disease control was highlighted.

Semester hours: 3; Contact hours: 15

-Study Abroad in Public Health in Vietnam. Maymester 2007- Co-organizer.

Course Description: This study abroad experience was a cooperative program between the College of Veterinary Medicine, School of Public Health, and College of Pharmacy. The primary objective of this program was to provide students of varied backgrounds interested in public health with an opportunity to understand the function of public health in an international setting, and in particular, to public health issues faced in a developing country. The experience incorporated didactic lectures taught on location in Hanoi, Vietnam by UGA professors in conjunction with several partners from Vietnamese universities and governmental entities. Site visits to the Hanoi School of Public Health, Agricultural University (the institution providing veterinary education in Hanoi), Hanoi University of Pharmacy, the U.S. Centers for Disease Control in Hanoi, and the Institute for Nuclear Science and Technology were included. Students visited a rural health clinic so that they might appreciate the available standard of care and contrast it to what is the norm in Athens, GA. Dr. Hondalus accompanied and instructed 16 students (5 veterinary students) in public health and infectious disease. Students completed a daily journal of their experiences. They also identified a Vietnamese public health issue and constructed a pilot study designed to address the problem they identified. .

Contact hours/semester: 3 full weeks

b) Resident Courses Taught:

- IDIS 5130, Veterinary Bacteriology and Mycology – Course Coordinator, 2006 - 2018

Course Description: This core course of the veterinary curriculum is comprehensive of the bacteria and fungi of veterinary importance. Basic properties of microorganisms, the pathogenic mechanisms and the diseases caused by bacteria and fungi are covered. All 114 first year veterinary students are enrolled.

Semester hours: 3.4; Contact hours / semester: 51

-IDIS 5130L, Veterinary Bacteriology and Mycology Laboratory, 2006 - 2018

Course Description: This course is the laboratory component which accompanies the lecture course IDIS 5130 (see above). Students get “hands on” experience in diagnostic microbiology and clinical case workup.

Contact hours / semester: Six, 2 hour laboratory session

-VETM 5140 Applied Integrative Materials – Course Coordinator, Fall 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019

Course Description: This interactive course is the prerequisite for VETM 5140 and requires students in the first semester of the curriculum to integrate the information and knowledge from the concurrent core courses and apply that information and knowledge to cases, situations and relevant problems they may encounter in their future career. All 114 first-year veterinary students enrolled.

Semester hours: 1.0; Contact hours: 15

- IDIS/VBDI 5230S, Special Topics in Public Health, Community Engagement, and Service Learning. Spring 2014 – Course Coordinator, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019

Course Description: This service-learning course is required for dual DVM-MPH students. Others may enroll if space permits. Space is generally limited to 10 students. Introduction to concepts of service learning and community engagement. Goal is to develop positive professional attitudes that encompass cultural competencies, utilize professional skills and knowledge in addressing community needs, with emphasis on local underserved societal segments. Emphasis on “One Health” concepts and initiatives that pertain to service-learning objectives. Incorporates student completion of one or two service-learning projects in the Athens community.

Semester hours: 1; Contact hours: 15

-IDIS 5900 Special Topics in Infectious Diseases “Veterinary International Internship” Summer 2016, Summer 2017, Summer 2018, Summer 2019 – Course Coordinator

Course Description: This course is for veterinary students who are recipients of the UGA Asia Freeman Scholarship that helps to fund their international work experience. Student participate in an independent international experience of a minimum of 60 hours with an entity in Asia.

Semester hours: 1.0

-POPH 5230 – Special Topics in Population Health – Course Coordinator, Spring 2011, Spring 2012, Spring 2013

Course Description: This is an elective discussion and guest lecture-based course for veterinary students enrolled in or considering applying to the dual DVM-MPH Program. Other veterinary students may participate if space available. Space was restricted to a maximum of eight students. Various public health topics are covered and class discussion and student participation in is required.

Semester hours: 1

Contact hours / semester 10

-IDIS 8900 Special Topics in Medical Microbiology: Bacterial Pathogenesis. Course coordinator, Spring 2008.

Course description: This is an advanced graduate level course covering various aspects of bacterial pathogenesis and is taught directly from the literature.

Semester hours: 1

Contact hours / semester: 11

-IDIS 4900 Undergraduate Research (Spring 2006, Fall 2006, Spring 2007, Summer 2007, Spring 2008, Summer 2008, Spring 2009, Summer 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Summer 2011, Fall 2011, Fall 2012, Fall 2013, Spring 2014, Summer 2014, Fall 2014, Spring 2015).

*Course description-*supervised laboratory experience in the Hondalus laboratory for undergraduates

c) Guest Lecturer in Courses:

-CB4990 Cellular Biology Senior Seminar: Cellular Biology of Infection- Course coordinator Boris Streipen (Department of Cell Biology). Fall 2005

Course description: Undergraduate seminar course taught from the scientific literature

Contact hours / semester: 1

- FRES1020 Freshman Seminar. "Biomedical Research: towards the understanding and treatment of disease."- Course Coordinator Anna Karls (Department of Microbiology). Fall 2005.

Course description: Undergraduate seminar designed to introduce students to basic science research and researchers in the biomedical field.

Contact hours / semester: 1 (Lecture entitled "The Face of Vaccine Development")

- IDIS 8300 Advanced Immunology II- Course coordinator Donald Evans (Department of Infectious Diseases). Spring 2005.

Course Description: This is an advanced immunology graduate level course taught directly from the literature.

Semester hours: 3

Contact hours / semester: 9 (Topic: Phagocytosis and Mechanisms of Host Defense)

- Gateway Seminar series for CURO students- Course Coordinator Marcus Fechheimer (Department Cell Biology). Fall 2007.

Course description: Guest researchers speak to undergraduates about their research so as to expose undergraduate students to basic science at UGA.

Contact hours / semester: 1

- MIBO 3501H - Course Coordinator Harry Daily (Biomedical Health Sciences Institute). Spring 2008.

Course description: Honors undergraduate course featuring guest researchers who speak to students about their research so as to interest students in considering careers in basic science.

Contact hours/semester: 1.5

- Gateway Seminar series for CURO students- Course Coordinator Susan Sanchez (Department Infectious Diseases). Spring 2009.

Course description: Guest researchers speak to undergraduates highlighting their own research so as to stimulate student interest in biomedical research.

Contact hours / semester: 1

- IDIS 5150 Veterinary Immunology - Course coordinator Donald Evans (Department of Infectious Diseases). Spring 2014, Spring 2015, Spring 2016

Course Description: This is an introductory course in veterinary immunology with associated laboratory taught to first year veterinary students.

Contact hours / semester: 2 hours of laboratory (Topic: Immunological Diagnosis)

VETM 8550 – Responsible Conduct of Research – Course Coordinator Julie Moore (Department of Infectious Diseases). Summer 2012, Summer 2014; Fall 2015, Fall 2016, Fall 2017

Course description: Various ethical issues in research, including codes of ethics for professional organizations and individuals are discussed in a format designed to maximize student class participation.

Contact hours / Semester: 1.0 Topic: “Teacher/Student and Communications Ethics

3. Scholarly Activities

a) Publications

Chapters in books:

- Sampson S and **Hondalus, MK**. Tuberculosis vaccine Assessment. In Delivery Systems for Tuberculosis Prevention and Treatment. John Wiley and Sons. Anthony Hickey Ed. 2016.
- Hondalus, MK** and Rogovskyy, A. Mycobacterial Diseases in Horses. In Infectious Diseases of Horses. T.S. Mair and R.E. Hutchinson Ed. 2009.
- Darrah, P. A., **Hondalus, M. K.**, and D. M. Mosser. *Rhodococcus equi*: Pathogenesis and Replication in Macrophages. In Opportunistic Intracellular Pathogens and Immunity. L. J. Paradise, H. Friedman, and M. Bendinelli Ed. 1999.

Published Proceedings:

- Hondalus, MK**. Pathogenesis of *R. equi* infection. Proceedings of the Claude R. Davis Symposium December 2008, San Diego, CA
- Hondalus, MK**. Pathogenesis of *R. equi* and quest for a vaccine. Proceedings for the American College of Veterinary Internal Medicine annual conference. May 2001, Denver, CO
- Hondalus, MK**. *Rhodococcus equi*: Pathogenesis and Virulence. Proceedings of the American Association of Equine Practitioners. 43rd Annual Conference. December 1997, Phoenix, AZ
- Dewolf, G, and **MK Hondalus**. 1988. Plants poisonous to horses in Massachusetts. Extension Service of the University of Massachusetts

Journal Articles:

- Willingham-Lane JM, Coulson GB, **Hondalus, MK**. Identification of a VapA virulence factor functional homolog in *Rhodococcus equi* isolates housing the VapB plasmid *PloS One*. 2018.13: e0204475.
- Wright LM, Carpinone EM, Bennett TL, **Hondalus MK**, Starai, VJ. VapA of *Rhodococcus equi* binds phosphatidic acid. *Mol. Microbiol.* 2017. 107:428-44.
- Willingham-Lane JM, Berghaus LJ, Giguere S, **Hondalus MK**. Influence of Plasmid Type on the replication of *Rhodococcus equi* in Macrophages. *MSphere*. 2016 1:pil e00186-16
- Coulson GB, Miranda-Casoluengo AA, Miranda-Casoluengo R, Wang X, Oliver J., Willingham-Lane JM, Meijer WG, and **Hondalus MK**. Transcriptome reprogramming by plasmid encoded transcriptional regulators is required for host-niche adaption of a macrophage pathogen. *Infect. Immun.* 2015. 83:3137-45.
- Novel transferable erm(46) determinant responsible for emerging macrolide resistance in *Rhodococcus equi*. Anastasi E, Giguère S, Berghaus LJ, **Hondalus MK**, Willingham-Lane

JM, MacArthur I, Cohen ND, Roberts MC, Vazquez-Boland JA. *J Antimicrob Chemother.* 2015 70:3184-90.

Burton AJ, Giguere S, Berghaus LJ, and **Hondalus MK**. Activity of clarithromycin and rifampin alone or in combination against experimental *Rhodococcus equi* in mice. *Antimicrob. Agents and Chemotherapy.* 2015. 59:3633-6.

Burton AJ, Giguere S, Berghaus LJ, **Hondalus MK** and Arnold RD. Efficacy of liposomal gentamicin against *Rhodococcus equi* in a mouse infection model and colocalization with *R. equi* in equine alveolar macrophages. *Vet. Microbiol.* 2015, Jan 27: Epub ahead of print.

Wang X, Coulson, GB, Miranda-Casoluengo, AA, Miranda-Casoluengo R, **Hondalus, MK**, and WG Meijer. IcgA is a virulence factor of *Rhodococcus equi* that modulates intracellular growth. *Infect. Immun.* 2014, 82:1793-800.

Sturgill, TL, Giguere, S, Berhaus, LJ, Hurley, DJ, and **MK Hondalus**. Comparison of antibody and cell-mediated immune responses of foals and adult horses after vaccination with live *Mycobacterium bovis* BCG. *Vaccine.* 2014, 32:1362-7.

Cauchard, S, Giguere, S, Venner, M, Muscatello, G, Cauchard, J, Cohen, ND, Haas, A, Hines, SA, **Hondalus, MK**, Horohov, DS, Meijer WG, Prescott, JF and Vazquez-Boland, J. *Rhodococcus equi* research 2008-2012: report on the Fifth International Havemeyer Workshop. *Equine Vet. J.* 2013, 24:523-6.

Tripathi, VN, Harding, WC, Willingham-Lane JM, **Hondalus, MK**, and Meijer, WG. Conjugal Transfer of a Virulence Plasmid in the Opportunistic Intracellular Actinomycete *Rhodococcus equi*. *J. Bacteriol.* 2012, Dec;194(24):6790-801.

Miranda-CasoLuengo, R, Coulson, GB, Miranda-CasoLuengo, A, Vazquez-Boland, JA, **Hondalus, MK**, and Meijer, WG. The hydroxamate siderophore Rhequichelin is required for virulence of the pathogenic actinomycete *Rhodococcus equi*. *Infect. Immun.* 2012, 80:4106-14.

Sampson, SL, Mansfield, KG, Carville, A, Magee, DM, Quintugua, T, Howerth, EW, Bloom, B R, and **Hondalus, MK**. Extended safety and efficacy studies of a live attenuated double leucine and pantothenate auxotroph of *Mycobacterium tuberculosis* as a vaccine candidate. *Vaccine*, 2011, 29:4839–4847.

Kumar, A, Farhana, A, Guidry, L, Saini, V, **Hondalus MK**, and Steyn AJ. Redox homeostasis in mycobacteria: the key to tuberculosis control? *Exp. Rev. Mol. Med.*, 2011, 13:e39 1-25.

Giguère S, Cohen ND, Chaffin MK, Hines SA, **Hondalus MK**, Prescott JF, Slovis NM. Diagnosis, treatment, control, and prevention of infections caused by *Rhodococcus equi* in foals. *J. Vet Intern. Med.* 2011, 25:1209-1220.

Giguère S, Cohen ND., Chaffin MK, Slovis NM, **Hondalus MK**, Hines SA, Prescott JF. *Rhodococcus equi*: clinical manifestations, virulence, and immunity. *J. Vet. Intern. Med.* 2011 25: 1221-1230.

Farhana, A., Guidry, L., Srivastava, A., Singh, A., **Hondalus, MK.**, and Steyn, AJ. Reductive stress in microbes: implications for understanding *Mycobacterium tuberculosis* disease and persistence. *Adv, Microbiol. Physiol.* 2010 57:43–117.

Coulson, G, Agarwal, S, and **MK Hondalus**. Characterization of the Role of the Pathogenicity Island and VapG in the virulence of the Intracellular Actinomycete Pathogen, *Rhodococcus equi*. *Infect. Immun.* 2010 78: 3323–3334.

Morello, M, Krone, C, Dickerson, S, Howerth, E, Germishuizen, WA, Wong, Y-L, Edwards, E, Bloom, BR and **MK Hondalus**. Dry-powder pulmonary insufflation in the mouse for application to drug and vaccine studies. *Tuberculosis*, 2009, 89:371-377

Lopez, AM, Townsend, HGG, Allen, AL, and **MK Hondalus**. Safety and immunogenicity of a live-attenuated auxotrophic vaccine against the intracellular pathogen *Rhodococcus equi*. *Vaccine*. 2008. 26:998-1009.

Hong, Y and **MK Hondalus**. Site-specific integration of Streptomyces Φ C31 integrase-based vectors in the chromosome of *Rhodococcus equi*. *FEMS Microbiol*. 2008. 287:63-68.

Khare, S, **Hondalus, MK**, Jacobs WR, Nunes, J, Bloom, BR, and LG Adams. *Mycobacterium bovis* Δ leuD auxotroph-induced protective immunity of cattle against intranasal *M. bovis* Ravenel challenge. *Vaccine*. 2007. 25:1743-1755.

Sampson, SL, Dascher, CC, Sambandamurthy, VK, Russell, RG, Jacobs, WR, Jr., Bloom, BR, and **MK Hondalus**. Protection elicited by a double leucine pantothenate auxotroph of *Mycobacterium tuberculosis* in guinea pigs. *Infect. Immun*. 2004. 72:3031-3037.

Darrah, PA, Monaco, CG, Jain S, **Hondalus, MK** Golenbock, DT and DM Mosser. Innate immune responses to *Rhodococcus equi*. *J. Immunol*. 2004. 173:1914-1924.

Impact Factor:

Jain, S, Bloom, BR, and **MK Hondalus**. Deletion of virulence associated protein A (*vapA*) attenuates the intracellular actinomycete *Rhodococcus equi*. *Mol. Microbiol*. 2003. 51:115-128.

Ashour J, and **MK Hondalus**. Phenotypic mutants of the intracellular actinomycete *Rhodococcus equi* created by in vivo *Himar 1* transposon mutagenesis. 2003. *J. Bacteriol*. 185:2644-2652.

Steyn, AJC, Collins, D, **Hondalus, MK**, Jacobs, WR, Kawakami, RP, and BR Bloom. *M. tuberculosis* WhiB₃ interacts with RpoV to affect host survival, but is dispensable for in vivo growth. 2002. *PNAS*. 99:3147-3152.

Darrah, PC, **Hondalus, MK**, and DM Mosser. Cooperation between reactive oxygen and nitrogen intermediates in the killing of *Rhodococcus equi* by activated macrophages. 2000. *Infect. Immun*. 68:3587-3593.

Hondalus, MK, Bardarov, S., Russell, R., Chan, J., Jacobs, W. R. Jr., and Barry R. Bloom. 2000. Attenuation of and protection induced by a leucine auxotroph of *Mycobacterium tuberculosis*. *Infect Immun*. 68:2888-2898.

Giguere, S, **Hondalus, MK**, Yager, JA, Darrah, P, Mosser, DM, and JF Prescott. 1999. Role of the 85-kilobase plasmid and plasmid-encoded virulence-associated protein A in intracellular survival and virulence of *Rhodococcus equi*. *Infect. Immun*. 67:3548-3557.

Hondalus, MK 1997. Pathogenesis and virulence of *Rhodococcus equi*. *Vet. Micro*. 56:257-268.

Mosser, DM, and **MK Hondalus**. 1996. *Rhodococcus equi*: an emerging pathogen. *Trends in Microbiology*. 4:29-33.

Hondalus, MK and DM Mosser. 1994. Survival and replication of *Rhodococcus equi* in macrophages. *Infect. Immun*. 62:4167-4175.

Hondalus, MK, Diamond, MS, Rosenthal, LA, Springer, TA, and DM Mosser. 1993. The intracellular bacterium *Rhodococcus equi* requires Mac-1 bind to mammalian cells. *Infect. Immun*. 61:2919-2929.

Hondalus, MK, Sweeney, CR, and DM Mosser. 1992. An assay to quantitate the binding of *Rhodococcus equi* to macrophages. *Vet. Immunol. Immunopathol.* 32:339-350.

Rose, RM, Kobzik, L, Dushay, K, Wolfthan., S, **Hondalus, M**, and M Metzger. 1992. The effect of human granulocyte macrophage colony stimulating factor on lung leukocytes in nonhuman primates. *Am. Rev. Resp. Dis.* 146:1279-1286.

Hondalus, MK, and MR Paradis. 1989. Respiratory Disease in foals: The initial steps toward diagnosis. *Vet. Med.* 84:1168-1173.

Hondalus, MK, and F Pipers. 1989. Intermittent ventricular tachycardia in a filly. EKG of the month. *J. Am. Vet. Med. Assoc.* 195:1222-1223.

Anwar, S, **Hondalus, MK**, and J Atkinson. 1989. Ursodeoxycholate induced bicarbonate rich hyperchloresis is independent of Na⁺,H⁺ exchange. *Am. J. Physiol.*

Hondalus, MK, and J Lofstedt. 1988. Septicemic salmonellosis and suspected phenylbutazone toxicosis in an aged pony. *J. Am. Vet. Med. Assoc.* 192:527-529

Hondalus, MK, Lamb, C, and L Lofstedt. 1988. What is your diagnosis? *J. Vet. Med. Assoc.* 192:545-546.

Abstracts/Meeting Presentations:

Willingham-Lane J, and **MK Hondalus**. “Influence of Virulence Plasmid Type on the Growth of *R. equi* in Host Macrophages”. Science of Veterinary Medicine Symposium, UGA, CVM, October 2014.

Wright L, Starai V, and **MK Hondalus**. “Determining the Mechanism of Action by which Virulence Associated Protein A (VapA) Alters the Bactericidal Activity of Macrophages”, Science of Veterinary Medicine Symposium, UGA, CVM, October 2014.

Packer R, Jaso-Friedmann L, Leary JF, Evans DL and **MK Hondalus**. Cellular Expression and Antimicrobial Function of a novel protein NCAMP-1. Veterinary Scholars Symposium, Fort Collins, CO, August, 2014.

Wright L, Starai V, and **MK Hondalus**. “Defining the Role of *Rhodococcus equi* Virulence Protein A Virulence Associated Protein A (VapA) in Aberrant Phagosomal Maturation. Science of Veterinary Medicine Symposium, UGA, CVM, October 2013

Willingham-Lane J and **MK Hondalus**. “Comparison of intramacrophage growth phenotypes of *Rhodococcus equi* foal and swine isolates” Science of Veterinary Medicine Symposium, UGA, DVM, Athens, GA October, 2013.

Packer R, Jaso-Friedmann L, Leary JF, Evans DL and **MK Hondalus**. Characterization of the cellular expression and antimicrobial properties of NCAMP-1” Science of Veterinary Medicine Symposium, UGA, CVM, Athens, GA, October 2013.

Wright L, Starai V, and **MK Hondalus**. “Determining the Role of *Rhodococcus equi* VapA in Aberrant Phagosomal Maturation”, Department of Infectious Diseases Annual Retreat, August 2013.

Willingham-Lane J and **MK Hondalus**. “Comparison of intramacrophage growth phenotypes of *Rhodococcus equi* foal and swine isolates” Department of Infectious Diseases Annual Retreat, August 2013.

Packer R, Jaso-Friedmann L, Leary JF, Evans DL and **MK Hondalus**. Characterization of the cellular expression and antimicrobial properties of NCAMP-1, Veterinary Scholars Symposium, Ithaca, NY, August 2013.

Tripathi, V and MK Hondalus. “Conjugal Transfer of a Virulence Plasmid in the Opportunistic Intracellular Actinomycete *Rhodococcus equi*” Southeastern Branch American Society for Microbiology Meeting, Athens, GA, October 2012

Willingham-Lane J and **MK Hondalus**. “Intramacrophage growth phenotype comparison of *Rhodococcus equi* foal and swine isolates” Southeastern Branch American Society for Microbiology Meeting, Athens, GA, October 2012.

Hamsley K and **MK Hondalus**. “Study of a 1,25 Vitamin D3- TLR Ligation-Induced Cathelicidin Pathway in Equine Monocytes” Science of Veterinary Medicine Symposium, UGA College of Vet Med, October 2012.

Willingham-Lane J and **MK Hondalus**. “Intramacrophage growth phenotype comparison of *Rhodococcus equi* foal and swine isolates” Science of Veterinary Medicine Symposium, UGA College of Vet Med, October 2012

Hamsley K, Willingham-Lane J, Coulson GB, and **MK Hondalus**. “Study of a 1,25 Vitamin D3- TLR Ligation-Induced Cathelicidin Pathway in Equine Monocytes. National Veterinary Scholars Symposium, Fort Collins, CO, August 2012

Willingham-Lane J and **MK Hondalus**. “Intramacrophage growth phenotype comparison of *Rhodococcus equi* foal and swine isolates” Department of Infectious Diseases Annual Retreat, August 2012

Willingham-Lane, and **MK Hondalus**. “Intramacrophage growth phenotype comparison of *Rhodococcus equi* foal and swine isolates. 5th Havemeyer Workshop on *Rhodococcus equi* Deauville, France July 2012

LaGatta, M, Coulson, G, Willingham-Lane, J and **MK Hondalus**. “Construction of a *vapB* deletion Mutation in a Swine Isolate of *Rhododoccus equi*” UGA CURO Symposium, Athens, GA, March 2012

Coulson GB and **MK Hondalus** “Conversion of a soil saprophyte to a macrophage parasite through foreign DNA acquisition and alteration of chromosomal gene expression in *Rhodococcus equi*” 4th Southeastern Mycobacteria Meeting, Atlanta GA, January 2012

Tripathi V, Sasseti, C and **MK Hondalus**. “Detection of genes essential for in vivo survival of *Mycobacterium tuberculosis* using transposon capture sequencing (TraCS)” 4th Southeastern Mycobacteria Meeting, Atlanta GA, January 2012

Willingham-Lane, J, Fanning, CD, Coulson, GB and **MK Hondalus**. “Intramacrophage growth phenotype comparison of *Rhodococcus equi* foal and swine isolates. Department of Infectious Diseases Annual Retreat, August 2011

Tripathi V, Sasseti, C and **MK Hondalus**. “Detection of genes essential for in vivo survival of *Mycobacterium tuberculosis* using transposon capture sequencing (TraCS)” Department of Infectious Diseases Annual Retreat, Athens, GA August 2011

Fanning, C., Willingham-Lane, J, Coulson, GB and **MK Hondalus** “Analysis of Intramacrophage Growth Phenotypes of Distinct *Rhodococcus equi* isolates” National Veterinary Scholars Symposium, Gainesville, FL, August 2011

Tripathi, V, Harding C, and **MK Hondalus**. “Conjugal transfer of virulence in the opportunistic intracellular actionmycete *Rhododoccus equi*. Mid-Atlantic Microbial Pathogenesis Meeting, January 2011

Coulson, GB, Adair, J, and **MK Hondalus** “Defining the role of Virulence Associated Protein (Vap) Family Members in the Virulence of *Rhodococcus equi*” Mid-Atlantic Microbial Pathogenesis Meeting, January 2011

Adair, J, Coulson, G, and **MK Hondalus**. “Virulence Associated Protein A (*vapA*) is the only Vap Family Member Required for Virulence in *Rhodococcus equi*” UGA CURO Symposium, Athens, GA, March 2011.

Tripathi, VN, Harding, C, and **MK Hondalus**. “Conjugal Transfer of Virulence in “*Rhodococcus equi*” Science of Veterinary Medicine Day, UGA College of Vet Med, Athens, GA, October, 2010.

Harding, C, Tripathi, V, and **MK Hondalus**. “Conjugal Transfer of Virulence in “*Rhodococcus equi*” UGA CURO Symposium, Athens, GA, March 2010.

Tripathi, VN, Harding, C, and **MK Hondalus**. “Conjugal Transfer of Virulence in “*Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, February 2010.

Coulson, GB, Agarwal, S and **MK Hondalus**. “Characterization of the Role of VapG in the Virulence of *Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, February 2010.

Tripathi, VN and **MK Hondalus**. “Conjugal Transfer of Virulence in “*Rhodococcus equi*” 3rd Southeastern Mycobacterium Conference, Chapel Hill, NC, January 2010

Coulson, GB, Agarwal, S and **MK Hondalus**. “Characterization of the Role of VapG in the Virulence of *Rhodococcus equi*” 3rd Southeastern Mycobacterium Conference, Chapel Hill, NC, January 2010.

Coulson, GB, Tripathi, VN, Jain, S, and **MK Hondalus**. “Novel Virulence Determinants of *Rhodococcus equi*” Southeastern ASM Conference, Savannah, GA, November 2009.

Tripathi, VN, Azuonye, I, Letek, M, Rogovskyy, A, Vasquez-Boland, J, and **MK Hondalus**. “Regulation of C4 Dicarboxylate Transport and Utilization in the Opportunistic Macrophage Pathogen *Rhodococcus equi*” Southeastern ASM Conference, Savannah, GA November 2009.

Rogovskyy, A, Tatum, M, and **MK Hondalus**. “Construction of an unmarked riboflavin auxotrophic deletion mutant vaccine strain of *Rhodococcus equi*”, Science of Veterinary Medicine Symposium, Athens GA, October 2009.

Coulson, GB, Tripathi, VN, Jain, S, and **MK Hondalus**. “Novel Virulence Determinants of *Rhodococcus equi*” 109th American Society of Microbiology Meeting, Philadelphia PA, May 2009.

Tripathi, VN, Azuonye, I, Letek, M, Rogovskyy, A, Vasquez-Boland, J, and **MK Hondalus**. “Regulation of C4 Dicarboxylate Transport and Utilization in the Opportunistic Macrophage Pathogen *Rhodococcus equi*” 109th American Society of Microbiology Meeting, Philadelphia PA, May 2009.

Coulson, GB, and **MK Hondalus**. “Novel Virulence Determinants of *Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2009.

Tripathi, VN and **MK Hondalus**. “Conjugal Transfer of Virulence in “*Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2009.

Miller JL, Coulson GB, Tripathi VN, Jain, S, and **MK Hondalus** “Determining Genes Required for Virulence in the Opportunistic Intracellular Pathogen *Rhodococcus equi*” CURO Symposium, Athens, GA, April 2009.

Coulson, GB, and **MK Hondalus**. “VapA is not all there is” 4th International Havemeyer Foundation Workshop on *Rhodococcus equi*, Edinburgh, Scotland, July 2008.

Tripathi, VN, Azuonye, I, Rogovskyy, A., and **MK Hondalus**. “Transport and Regulation of C4 Dicarboxylates in *Rhodococcus equi*” 4th International Havemeyer Foundation Workshop on *Rhodococcus equi*, Edinburgh, Scotland, July 2008

Coulson, GB, Tripathi, VN, Jain, S, and **MK Hondalus**. “Searching for Additional Virulence Determinants of *Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2008.

Hong, Y, and **MK Hondalus**. “Site-specific integration of *Streptomyces* Φ C31 integrase-based vectors in the chromosome of *Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2008.

Rogovskyy, A Tripathi, VN, Sasseti, C and **MK Hondalus** “Screening for genes of *Mycobacterium tuberculosis* required for virulence utilizing both mouse and guinea pig aerosol infection models” Southeastern Regional Tuberculosis Conference, Athens, GA, January 2008.

Dickerson, S, Quiceno, D, Morello, M., Pullium, B, Wong, Y-L, Krone, C, Germishuizen, A, Bloom, BR, Edwards, D, and **MK Hondalus** “A dry powder nanoparticle-based subunit vaccine for prevention of tuberculosis in humans: Establishment of a murine model system and proof of concept experimentation” Southeastern Regional Tuberculosis Conference, Athens, GA, January 2008.

Azuonye, I, Goonesekera, S Jain, S, Kroell, K, and **MK Hondalus**. “Analysis of an Orphan Two-Component-like Regulator (VarA), that Controls the Expression of the intracellular actinomycete *Rhodococcus equi* Virulence Gene *vapA*” Southeastern Regional Tuberculosis Conference, Athens, GA, January 2008.

Azuonye, I, Goonesekera, Jain, S, Kroell, K, and **MK Hondalus**. “Analysis of an Orphan Two-Component-like Regulator that Controls the Expression of the *Rhodococcus equi* Virulence Gene *vapA*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2007.

Azuonye, I, Goonesekera, S, Jain, S, and **MK Hondalus**. “Initial Characterization of an Orphan Two Component Regulator in *Rhodococcus equi*” Department of Infectious Diseases Annual Retreat, Athens, GA, April 2006.

Hondalus, MK, Sampson, SL, Dascher, CC, Sambandamurthy, V, Jacobs WR Jr., and BR Bloom “Evaluation of a *Mycobacterium tuberculosis* auxotrophic vaccine candidate in non-human primates”, Southeastern Regional Tuberculosis Conference, Birmingham, AL, October 2005.

Sampson, SL, Bloom, BR, Dascher, CC, Sambandamurthy, V, Jacobs WR Jr., **MK Hondalus** “Evaluation of a *Mycobacterium tuberculosis* auxotrophic vaccine candidate in non-human primates”, Boston Bacterial Pathogenesis Meeting, Boston MA Conference, Sampson, SL, Bloom, BR, Dascher, CC, Sambandamurthy, V, Jacobs WR Jr., and **MK Hondalus** “Evaluation of a *Mycobacterium tuberculosis* auxotrophic vaccine candidate”, Tuberculosis Vaccines, Montreal, CA., August 2003.

Jain, S, Bloom BR, and **Hondalus, MK**. “Deletion of *vapA* attenuates the intracellular bacterium *Rhodococcus equi*” 3rd Cold Spring Harbor meeting on Bacterial Pathogenesis, Cold Spring Harbor, NY, September 2003.

Jain, S, Bloom, BR and **M. K. Hondalus**. “Deletion of *vapA* encoding Virulence Associated Protein A attenuates the intracellular actinomycete *Rhodococcus equi*. Boston Bacterial Pathogenesis meeting, Boston, MA. June 2003.

Sampson, SL Bloom, BR., Dascher, CC, Sambandamurthy, V, Jacobs WR Jr, and **MK Hondalus**. “Evaluation of a *Mycobacterium tuberculosis* auxotrophic vaccine candidate” Modern Vaccines, Adjuvants and Delivery Systems. Dublin, Ireland. June 2003.

Steyn, AJ, **Hondalus, MK** and Bloom, BR. “Development of a *Mycobacterium tuberculosis* H37Rv In Vivo Expression System (CREVET), to identify genes expressed in a mouse model during early stages of infection. Keystone Symposia: Tuberculosis: Integrating Host and Pathogen Biology. Taos, N.M. January 2003.

Ashour, J and **MK Hondalus**. “Efficient mariner transposon based mutagenesis of *R. equi*” Havemeyer Workshop on *R. equi*. Pullman, WA, July 2002.

Jain, S and **MK Hondalus**. “Deletion of a region of the proposed Pathogenicity island attenuates *R. equi*” Havemeyer Workshop on *R. equi*. Pullman, WA, July 2002.

Hondalus, MK, Diamond, MS, Rosenthal, LA, Springer, TA and DM Mosser. The Cell and Molecular Biology of Bacterial-Host Cell Interactions, Monterey, CA. The First Bristol-Myers Squibb Symposium on Infectious Disease Research. “The intracellular bacterium *Rhodococcus equi* requires Mac-1 to bind to mammalian cells” Feb 1993.

Hondalus, MK and DM Mosser. “*Rhodococcus equi*: Activation of the alternative complement pathway and binding to macrophage complement receptors” Philadelphia Immunology Conference, Philadelphia, PA, Oct 1991.

Hondalus, MK, Sweeney, CB, and DM Mosser. American College of Veterinary Internal Medicine Scientific Meeting. New Orleans, LA. “Initial characterization of *Rhodococcus equi* binding to macrophages” May 1991.

b) Creative Contributions other than Formal Publications:

Invitations to present seminars or papers:

“Evolution of a Soil Saprophyte to Macrophage Pathogen: The Story of *Rhodococcus equi*” presented to veterinary faculty at Kitasato University, Towada, Japan, June 2014

“Integrating Community Outreach and Service-Learning in Veterinary Education” presented to veterinary faculty at Kitasato University, Towada, Japan, June, 2014

“*Rhodococcus equi* Disease: Contributing Factors, Diagnosis, Treatment, Control Strategies and Clinical Case Workup” presented to veterinary students at Kitasato University, Towada Japan, June 2014

“Evolution of a Soil Saprophyte to Macrophage Pathogen: The Story of *Rhodococcus equi*” presented to veterinary faculty at Kagoshima University, Kagoshima, Japan, June 2014

“Integrating Community Outreach and Service-Learning in Veterinary Education” presented to veterinary faculty at Kagoshima University, Kagoshima, Japan, June 2014

“*Rhodococcus equi* Disease: Contributing Factors, Diagnosis, Treatment, Control Strategies and Clinical Case Workup” presented to veterinary students at Kagoshima University, Kagoshima Japan, June 2014

“TB vaccination via nanoparticle aerosols” presented at the American Thoracic Society International Conference, Philadelphia, PA, May 2013.

“Developing Relationships with our Immigrant Neighbors Through Animal Health Outreach” presented at the Iverson Bell Symposium part of the American Association of Veterinary Medical Colleges (AAVMC) Annual Conference, Washington, DC, March, 2013.

Conjugal Transfer of the Virulence Plasmid *Rhodococcus equi* ” 5th International Havemeyer Foundation Workshop on *Rhodococcus equi*, Deauville, FR July 2012

Development of an inhalant vaccine for the prevention of tuberculosis” National Veterinary Scholars Symposium, Athens, GA, August 2010

“Transmission and Maintenance of Virulence in the Intracellular Actinomycete Pathogen *Rhodococcus equi*” Population Health and Biology Seminar Series, North Carolina State University, Durham, NC, April 2010.

“Assessment of Tuberculosis Protection in Mice by Dry-Powder Formulated BCG Administered by Pulmonary Insufflation. Keystone Meeting “Overcoming the Crisis of TB and AIDS”, Arusha, Tanzania, October 2009

“Pathogenesis of the opportunistic intracellular actinomycete *Rhodococcus equi*” Department of Microbiology Seminar Series, UGA, Athens, GA, May 2009

“Virulence mechanisms of *Rhodococcus equi*” CL Davis Symposium on *Rhodococcus equi*, AAEP Meeting, San Diego, CA, December 2008

“*Rhodococcus equi* pathogenesis and virulence” 4th International Havemeyer Foundation Workshop on *Rhodococcus equi*, Edinburgh, Scotland, July 2008.

“Tuberculosis: Past Challenges and Promise,” Harvard School of Public Health, Boston MA, May 2008.

“Need-free vaccination by BCG-LPP aerosols in the mouse and guinea pig” Southeastern Regional Tuberculosis Conference, Athens, GA, January 2008.

“Pathogenesis of the opportunistic intracellular actinomycete *Rhodococcus equi*” Department of Microbiology Seminar Series, Cornell University, Ithaca, NY, April 2007

“Pathogenesis of the intracellular actinomycete *Rhodococcus equi*” Mid-Atlantic Microbial Pathogenesis conference, Wintergreen, VA, Feb 2005.

The Challenge of *Rhodococcus equi* vaccine development” 7th International Veterinary Immunology Symposium, Guelph, CA, July 2003.

“Current Approaches to tuberculosis vaccine development” Havemeyer Workshop on *R. equi*. Pullman, WA, July 2002.

“Pathogenesis of *R. equi* and quest for a vaccine” American College of Veterinary Internal Medicine Annual Meeting. Denver, CO, May 2001.

“Attenuation and vaccine potential of a leucine auxotroph of *Mycobacterium tuberculosis*” 4th International Conference of the Pathogenesis of Mycobacterial Infections. Stockholm, Sweden, July 1999.

“Pathogenesis and virulence of *Rhodococcus equi*” American Association of Equine Practitioners Annual Meeting, Phoenix, AZ, Dec 1997.

Veterinary Vaccines and Diagnostics Conference. Madison, WI, July 1997.

“Virulence factors of *Rhodococcus equi* . Havemeyer Foundation Workshop: *Rhodococcus equi* and Neonatal Immunology of the Foal, Guelph, Ontario, Canada, July 1996.

“The interaction of *Rhodococcus equi* with its host cell macrophage”, Univ. of Penn. Dept. of Microbiology, Philadelphia, PA. Oct. 1994

“Survival and replication of *Rhodococcus equi* in macrophages”, American College of Veterinary Internal Medicine Scientific Meeting. San Francisco, CA. May 1991

“Initial characterization of *Rhodococcus equi* binding to macrophages” Philadelphia Immunology Conference, Philadelphia, PA. Oct. 1990.

Equine Corneal Disease” Massachusetts Veterinary Medical Conference, Boston, MA, “June 1989.

“Basics of equine nutrition” Massachusetts 4-H Club Annual Meeting, Mt. Holyoke College, Mt. Holyoke, MA, March 1989.
“Equine Diarrheal Disease”, Atlantic Equine Practitioners Annual Conference, Atlantic Veterinary College, Charlottetown, P.E.I., Canada, April 1989.
“Potomac Horse Fever: An Update” Annual Horseman’s Conference, Johnson Wales College, Providence, R. I., Feb. 1988.
“Diarrheal disease in the foal, Annual Conference for Large Animal Practitioners, Tufts University School of Veterinary Medicine, Grafton, MA, Feb. 1988.

b) **Grants Received:**

“*This is how we role*” NIH. PI: Sandra San Miguel **Subcontractor: MK Hondalus** \$5000 6/1/2018 – 4/30/2019.

“*An Academic Veterinary Career is Sustainable through Smart Financial Decisions*” AVMA. **Co-PI: MK Hondalus** and A Woolums. \$600 1/15/2015 – 6/30/2015

“*Incorporation of Computer Animated and Interactive Laboratory Learning Modules and Clinical Case Workup to Enhance Veterinary Student Engagement and Retention of Veterinary Microbiology*”. UGA OVPI. **Co-PI MK Hondalus** and Sree Rajeev. \$5000 5/1/1013 – 3/1/2014

“*M. tuberculosis* genes required for pulmonary survival revealed by TRACS” NIH R03. **PI: MK Hondalus**. \$100,000. 5/1/2012 to 4/30/2015.

“*Vitamin D and innate immunity in the horse*” Grayson Jockey-Club Research Foundation. **PI: MK Hondalus**. \$49,942. 4/1/2012 – 3/31/2015

“*Virulence of the opportunistic pathogen Rhodococcus equi*” NIH R01. **PI: MK Hondalus** \$1,200,000. 2/1/06 – 2/28/13.

“*Needleless vaccines for tuberculosis that are safe, stable and effective*” Bill and Melinda Gates Foundation. PI: BR Bloom. **Co-PI: MK Hondalus** \$193,000 to Hondalus lab. 9/1/08 – 8/31/12

“*Use of the Guinea Pig Model to identify novel Mycobacterium tuberculosis virulence determinants*” University of Georgia Faculty of Infectious Disease. **PI: MK Hondalus**. \$30,000. 9/1/08 – 8/31/09.

“*Development of an unmarked, attenuated, riboflavin auxotrophic Rhodococcus equi vaccine*” Research Contract with Fort Dodge Animal Health. **PI: MK Hondalus**. \$63,504.93. 7/2208-7/22/09.

“Needle-free vaccination via nanoparticle aerosols” Bill and Melinda Gates Foundation Grand Challenge. PI: D Edwards. **Subcontractor: MK Hondalus** 181,677 to Hondalus lab. 7/1/05-10/31/08.

“Construction of a viral vector-based *R. equi* vaccine” UGA Faculty Research Grant. **PI: MK Hondalus**. \$7000. 12/1/2005 – 6/ 31/07

“Vaccine potential of a riboflavin requiring strain of *R. equi*” Grayson-Jockey Club Research Foundation. **PI: MK Hondalus**. \$110,000. 4/1/04 to 4/1/06.

“Development of recombinant BCG expressing *VapA* as a vaccine against *R. equi*” Grayson-Jockey Club Research Foundation **PI. MK Hondalus**. \$106,000. 4/1/00 to 4/1/03.

“Macrophage recognition of rhodococcus” **PI: MK Hondalus**. Co-investigator: DM Mosser NIH K-11 Physician Scientist Award. \$230,000. 8/1/91-8/31/95.

“Macrophage recognition of intracellular bacteria” PI: DM Mosser. **Co-PI: MK Hondalus**. Grayson-Jockey Club Research Foundation: \$64,000. 9/1/91-8/31/94.

f) Supervision of Student Research

Ph. D. Dissertation supervised:

Completed:

Garry Coulson – (Infectious Diseases)

Jennifer Willingham-Lane (Infectious Diseases)

Lindsay Wright – (Infectious Diseases)

M.S. Theses supervised:

Completed:

Ijeoma Azuonye (Infectious Diseases)

Graduate Advisory Committee Member:

Ijeoma Azuonye M.S. – Mary Hondalus, Advisor

Garry Coulson Ph.D. – Mary Hondalus, Advisor

Jennifer Willingham-Lane – Mary Hondalus, Advisor

Lindsay Wright – Mary Hondalus and Vincent Starai Co-Advisors

Benjamin Grosse-Siestrup (Ph. D. candidate Infectious Diseases) –Advisor: Russell Karls

Jonathan Lane (M.S. candidate Veterinary Biomedical Sciences) – Advisor: Susan Sanchez

Ashley Neary-Hartley (Ph.D. candidate Infectious Diseases) (combined D.V.M. / Ph.D. candidate) - Advisor: Rick Tarleton

Briana Flaherty (Ph.D. candidate Infectious Diseases) – Co-Advisors: Julie Moore, David Peterson

Alexandra Burton (Ph.D. candidate Infectious Diseases) – Advisor: Steeve Giguere
Shannon Lenz (Ph.D. candidate Infectious Diseases) – Advisor: Vincent Starai
Susan Fogelson (Ph.D. candidate Dept of Pathology) – Advisor: Al Camus and Susan Sanchez)
Jessie Dyer (Ph.D. candidate Comparative Biomedical Sciences) – Advisor Ira Roth

Postdoctoral Fellows (as supervisor):

Yang Hong (2007-2008)
Vibhay Tripathi (2007-2012)

DVM Candidate Student Researchers:

Camillya Fanning (2011)
Kristen Hamsley (2012)
James Matthews (2013)
Rebekah Packer (2013-2015)

Undergraduate Student Researchers

Rohan Kulharya (2005; 2006)
Kate Kroell (2006; 2007)
Jessica Miller (2008; 2009)
Chi Nguyen (2008)
Sarita Pathak (2009)
Chris Harding (2009; 2010)
Jenna Adair (2010; 2011)
John Patrick Galdun (2010, 2011)
Monica LaGatta (2011; 2012)
Rachel Godlewski (2012; 2013)
Jacob Kumro (2014; 2015)

Mentee Awards and Achievements:

2014	Science of Veterinary Medicine Symposium, First Place Oral Presentation Graduate Students, Jennifer Willingham-Lane (Ph.D. candidate)
2014	Science of Veterinary Medicine Symposium, Third Place Poster Presentation Graduate Students, Lindsay Wright (Ph.D. candidate)
2013	Science of Veterinary Medicine Symposium, Third Place Oral Presentation Veterinary/Undergraduate Students, Rebekah Packer (Veterinary Student)
2013	Science of Veterinary Medicine Symposium, Third Place Oral Presentation Graduate Students, Lindsay Wright (Ph.D. Graduate Student)
2012	Science of Veterinary Medicine Symposium. Best Overall Oral Presentation, Jennifer Willingham-Lane (Ph.D. Graduate Student)

- 2012 Science of Veterinary Medicine Symposium. First Place Oral Presentation Graduate Students, Jennifer Willingham-Lane (Ph.D. Graduate Student)
- 2012 Science of Veterinary Medicine Symposium. First Place Oral Presentation Veterinary/Undergraduate Students, Kristin Hamsley (Summer Research Student)
- 2012 Department of Infectious Diseases Annual Retreat. Second Place Oral Presentation, Jennifer Willingham-Lane (Ph.D. Graduate Student)
- 2010 UGA College of Veterinary Medicine Science of Veterinary Medicine Day, Best Postdoctoral Associate Poster Award (Vibhay Tripathi)
- 2010 Department of Infectious Diseases Annual Retreat. Second Place Oral Presentation, Garry Coulson (Ph.D. Graduate Student)
- 2009 Southeastern Branch ASM Meeting. Best Graduate Student Poster Award, Garry Coulson (Ph.D. Graduate Student)
- 2009 Department of Infectious Diseases Annual Retreat. Second Place Oral Presentation, Garry Coulson (Ph.D. Graduate Student)
- 2008 4th International Havemeyer Foundation Workshop on *Rhodococcus equi*, Edinburgh, Scotland. Best Poster Award, Vibhay Tripathi (Postdoctoral Fellow)
- 2008 Department of Infectious Diseases Annual Retreat. Second Place Poster Award, Garry Coulson (Ph.D. Graduate Student)
- 2007 Department of Infectious Diseases Annual Retreat. Honorable Mention Poster Award, Ijeoma Azuonye, (Masters Graduate Student)
- 2006 Department of Infectious Disease Annual Retreat. First Place Poster Award, Ijeoma Azuonye (Masters Graduate Student)
- 2006 Department of Infectious Diseases Annual Retreat. Second Place Poster Award, Garry Coulson (PhD Graduate Student)

g) Editorship or Ad hoc Reviewer

Journal of Bacteriology, 2005 to present
Infection and Immunity, 2005 to present
Microbiology, 2005 to present
Vaccine, 2008 to present
ACVIM Journal 2012-present
Clinical and Diagnostic Immunology (2006)
Equine Veterinary Journal (2006 to present)
Journal of Zoo and Wildlife Medicine (2008, 2009)
Journal of Veterinary Diagnosis Investigation (2009 to present)
British Medical Journal (2014 to present)
PLoS Pathogens (2011, 2012)
PLoS Neglected Tropical Diseases (2013)

h) Organizer of or Session Chair at professional meetings

Co-Session Chair of the Pathogenesis and Virulence Session at the Fifth Havemeyer *R. equi* Workshop, Deauville, France, July, 2012.

Co-organizer of the Southeastern Regional Tuberculosis Conference. Atlanta, GA, January 2012

Co-organizer of the Southeastern Regional Tuberculosis Conference. Raleigh, NC, January 2010

Co-Session chair of the Pathogenesis and Virulence Session at the Fourth Havemeyer *R. equi* Workshop, Edinburgh Scotland, July 2008

Co-organizer of the Southeastern Regional Tuberculosis Conference. Athens, GA, January, 2008

Co-organizer of the Southeastern Regional Tuberculosis Conference. Birmingham, AL, October 2005.

Co-organizer of the Third Havemeyer *R. equi* Workshop, Pullman Washington, July, 2002.

Co-chair of the *R. equi* Virulence Session at the Third Havemeyer *R. equi* Workshop, Pullman Washington, July, 2002.

Co-chair of the “*R. equi* Immune Response and Vaccine Development Session” at the Second Havemeyer *R. equi* Workshop, Guelph, Ontario, Canada, July 1996.

4. Public service:

Committee service governmental, nongovernmental and professional organizations

Burroughs Welcome Fund Mentoring Panel:

Course Panel Member “Becoming Faculty: a short course on launching a scientific career, (2010) (2013)

National Professional Service:

Item Writer and Reviewer for National Board of Veterinary Medical Examiners (2008, 2009)

Federal Grant Review Panels:

Panel Member USDA Applied Genomics of Agriculturally important organisms, 2005

Panel Member USDA Small Business Innovative Research (SBIR) Grants Program, 2004

Panel Member NIH Bacterial Pathogenesis, March 2013

Private Foundation Grant Review Panels

Panel Member Scientific Review Board Grayson-Jockey Club Research Foundation (2010-2014)

Ad- Hoc Extramural Grant Reviews:

National Science Foundation (NSF), 2006

U.S. Department of Agriculture, Competitive Research Grants Program, 2006, 2011

Welcome Trust, UK, 2008

CRDR (Civilian Research and Development Foundation, 2008

Grayson-Jockey Club Research Foundation, 2015

U. S Department of Agriculture, SBIR Grants Program, 2015, 2017

NIFI SBIR Program, 2019

Intramural Grant Reviews:

Faculty of Infectious Diseases Seed Grants, 2008, 2009
CDC/UGA Infectious Diseases Research Awards, 2008

5. Other services

University:

University Steering Committee for the University Biosafety Community Liaison Committee, 2008.
IACUC (Institutional Animal Care and Usage Committee, 2010 to present
Member of Interdisciplinary Professional Education (IPE) Leadership Committee
2017 - present
Co-Faculty Advisor, One Health Club -2015 to present
Panel Member Graduate Scholars Leadership, Engagement and Development
Lead (GS-Lead) Program – 2017

College of Veterinary Medicine:

Faculty Advisor to CVM SAVMAC, 2007 to present
CVM Faculty Student Liaison Committee, 2005-present; Chair 2014
DVM-MPH Dual Degree Advisory Committee, 2010 to present, Chair
Admissions Committee, 2015 to present
Pre-Clinical Remediation Committee, 2019 Chair
Clinical Remediation Committee, 2019
Curriculum Committee 2015- present
Scholarship and Appeals Committee 2015-present
Scholarship and Awards Committee 2015-present
CVM Executive Safety Committee 2018-present
CVM Wellness Committee 2016-present
Admissions file evaluator, 2006-2012; 2015-present
Member of Council for Inclusion, Diversity and Awareness (CIDA) 2017 to present
Faculty Judge of Oral Presentations – Science of Veterinary Medicine Day
(2011-2018)
Phi Zeta Committee, 2009
International Program Group 2009 to present, Chair 2013-2015
College of Veterinary Medicine Infectious Disease Committee, 2006
Paperless Classroom Committee, 2007
Davison Chair Search Committee, 2006-2007
Associate Dean of Academic Affairs Search Committee, 2014

Department:

Department of Infectious Diseases Graduate Affairs Committee 2009-2015
Department of Infectious Diseases Awards Committee, 2012-2015
Department of Infectious Diseases Tenure Guidelines Committee- 2014, 2015

Combined Department of Microbiology/Department of Infectious Diseases
Bacteriologist Position Search Committee, 2008-2009
Graduate Student Recruitment Committee, 2007-2012
Bacteriologist Position Search Committee, 2005-2006
Department Seminar Committee, 2005-2007
Infectious Diseases Space Committee, 2006

Community:

Faculty Leader “Dive into Science Summer Camp – 2015
Faculty Leader “This is how we role” afterschool program – 2018-2019

Professional Organization Memberships:

American Veterinary Medical Association
Georgia Veterinary Medical Association
American Society of Microbiology
American College of Veterinary Internal Medicine
Phi Zeta Veterinary Honor Society