K-State MPH Faculty Advisory Council Minutes
September 9, 2013 – Union Room 206

Members Present:	Cates, Chapes, Hsu, Larson, Mailey, McElroy, Montelone, Nutsch, Rockler (Student Rep), Rosenkranz, van der Merwe, Wang
Not Present:	Canter, Fung, Haub, Heinrich (Proxy Mailey), Kastner, Renter, Sanderson
Guests	None
MPH Office Staff and MPH Students:	Choma, Stevenson

- Dr. Cates called the meeting to order at 2:30 PM. There was a quorum present.

- **Approval of minutes**
  The minutes from the April 3, 2013 meeting were approved in April via e-mail and posted.

- **Old Business**

  Curriculum Committee. Dr. Cates reminded the Curriculum Committee that the entire curriculum for Food Safety/Biosecurity, plus MPH 720 and MPH 818, need to be reviewed by November 1, 2013. Curriculum committee members for this cycle are: Kastner, Larson, McElroy, Nutsch and Rosenkranz, and they had no report at this time.

  Field Experience Report Template. The group discussed the field experience report template prepared by the MPH program office (Attachment 1), based on the Graduate School's thesis requirements and the discussion of the council during their last meeting. The group accepted the template and recommended that it be placed on the MPH Program website as a Word document and in the MPH Graduate Handbook.

- **New Business**

  The council reviewed the follow graduate faculty applications and approved the three individuals as MPH Graduate Faculty (Attachment 2):
  - Dr. Kelly J.K. Getty (Associate Professor, Food Science Institute and Dept: AS&I)
  - Dr. Natalia Cernicchiaro (Research Assistant Professor, Dept: DMP)
  - Dr. Lee Cohnstaedt (Research Entomologist, USDA and adjunct in Dept: Entomology)

- **Discussion / Action Items Program Related Items**

  - The group members discussed the draft of the CEPH Site Visit Agenda (Attachment 3) for October 27-29. Specific items of discussion included:
    - Advice from KU MED MPH Program staff. Dr. Cates conveyed the advice of Dr. Choi, Executive Director of the MPH Program at KU MED and his staff.
      1. Include variety in faculty and student groups
      2. No need to "practice"
      3. Encourage groups to be familiar with self-study report but provide their perspectives
    - Composition of each faculty group and the sections of self-study report for discussion with each.
    - Factors for the student group (e.g., area of emphasis, gender, race, time in program, part time vs. full-time, etc.). The council recommended that Dr. Cates

invite a variety of MPH students and cc their major professor. The major professor will then encourage the student to attend/participate.
  - Advice from Dr. Wiese (Kansas Health Foundation and One Health Kansas consultant): The perception of adequate faculty resources is essential, and all faculty and students meeting with the site team must present themselves as MPH-focused.

- **Informational Item -- Programmatic Assessment Data for Council's Information and Discussion** (Attachment 4)
  - Supervisory committee assessments of MPH graduates during defense (percentage of students with no weaknesses in each of the core competencies)
  - Updated MPH graduate exit survey data (percentage of positive responses to each question)
  - Measurable objective data from self-study report

- **October formal meeting cancelled / Informal meeting to discuss site visit.** The council members recommended that there be no formal meeting in October because of the site visit on October 28. Instead, we will have an informal meeting on Monday, October 14, 2:30 – 4:00 pm in Mosier Hall, Room N-202, for anyone interested to discuss the upcoming site visit.

- **Meeting adjourned** at 4:00 PM

- **Future Meetings**

Generally, 2nd Monday of the Month 2:30 to 4:00 PM

Day	Time	Place
11-Nov	2:30 to 4:00 PM	Union, Room 209
9-Dec	2:30 to 4:00 PM	Mosier Hall, N202

Attachments

Attachment 1. Field Experience Report Template. (Suggestion only, format requirement is flexible to accommodate other requirements and publications. Use when no specific format is requested by committee.)

Master of Public Health Field Experience Report

ENTER YOUR TITLE HERE IN ALL CAPITAL LETTERS

by

YOUR NAME IN ALL CAPITAL LETTERS
MPH Candidate

submitted in partial fulfillment of the requirements for the degree

MASTER OF PUBLIC HEALTH

Graduate Committee:
List Major Professor here
List Committee Member here
List Committee Member here

Field Experience Site:
List agency where field experience was completed
List dates of field experience

Field Experience Preceptor:
List preceptor and degrees (John Smith, MD, MPH, etc.)

KANSAS STATE UNIVERSITY
Manhattan, Kansas

Graduation Year

Copyright

YOUR NAME IN ALL CAPITAL LETTERS

Graduation Year

If you choose not to include the Copyright page, delete this entire page. If you do include the Copyright page, delete these two paragraphs, but retain the Copyright heading, your name, and graduation year.

The Copyright page is not required unless you plan to register for copyright through the U.S. Copyright Office (http://www.copyright.gov/). You own the copyright to your ETDR even if you do not register for copyright. K-State encourages you to include the copyright page even if you do not register for copyright.

Attachments

Summary

Each student will provide an oral and a written report for their field experience, and the format and length is at the discretion of the supervisory committee. If a capstone project is included with the field experience, the written and oral reports for the project may be combined with the field experience report (see Chapter 3).

For those students completing a thesis or Master's Report separate from the field experience, there must be a separate field experience report. Your field experience report may be a chapter or appendix in your thesis or Master's Report. The oral reports may be combined at the discretion of the supervisory committee.

Once the product is presented as an oral presentation and in its final form with all the changes requested by the student's graduate committee, an electronic copy of the field experience report (preferable in Word) and slide presentation (preferable in PowerPoint) should be given to the MPH Program office. The program office will be responsible to place a copy of the report and slides in the MPH section of e-repository (K-Rex). Note: Select up to key words for your report. These are

Subject Keywords: List up to 6 keywords for your report at the end of the Summary page. These keywords will be entered in to K-REx and are the words someone would search on to find your report if they did not know the exact title or your name.

Attachments

Suggested outline that may become your Table of Contents

List of Figures 5
List of Tables 5
Chapter 1 - Field Experience Scope of Work 6
Figures 6
Tables 6
Chapter 2 - Learning Objectives 7
Activities Performed 7
Products Developed 7
Chapter 3 - Capstone Project / Culminating Experience 8
Instructions from the MPH Graduate Handbook 8
Show Alignment with Core Competencies and Emphasis Area Competencies 8
References or Bibliography 9
Appendix 10

Attachments

List of Figures

Figure 1.1 First Figure in Chapter 1 6
Figure 2.1 First Figure in Chapter 2 7

List of Tables

Table 1.1 First Table in Chapter 1 6
Table 2.1 First Table in Chapter 2 7

Field Experience Scope of Work

Your report should follow your Field Experience Agreement. Chapter 1 should outline the Scope of Work or Primary Focus of your Field Experience. No specific length is required, but it should "cover the subject." Identify the agency and give some background along with location, and your preceptor/mentor.

Figures

If you use figures your report, be sure to label them. See example below. Notice figures are generally labeled below the figure.

Figure 0.1 First Figure in Chapter 1

Tables

If you use figures your report, be sure to label them. Example below. Notice tables are generally labeled above the table.

Table 0.1 First Table in Chapter 1

A-D	A	B	C	D
1	A1	B1	C1	D1
2	A2	B2	C2	D2
3	A3	B3	C3	D3

Learning Objectives

List the learning objectives as outlined on the Field Experience Agreement.

Activities Performed

List the activities you performed as part of your field experience. If they changed from the anticipated activities, you may want to explain why, what happened, etc.

Products Developed

If, as part of your field experience you developed materials, explain and list them here.

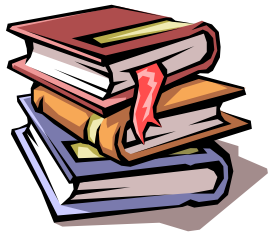

Figure 0.1 First Figure in Chapter 2

Table 0.1 First Table in Chapter 2

E-H	E	F	G	H
1	E1	F1	G1	H1
2	E2	F2	G2	H2
3	E3	F3	G3	H3

Capstone Project / Culminating Experience

If your capstone project was completed as part of your field experience, explain and report it here. If you completed a thesis as or Master's Report as your capstone project, there is no need to include it as part of your Field Experience Report. Your field experience report may be a chapter or an appendix in your thesis or Master's Report.

Instructions from the MPH Graduate Handbook

A culminating experience is one that requires a student to synthesize and integrate knowledge acquired in coursework and other learning experiences and to apply theory and principles in a situation that approximates some aspect of profession practice. It must be used as a means by which faculty judge whether the student has mastered the body of knowledge and can demonstrate proficiency in the required competencies. All MPH degree students at Kansas State University must complete a culminating experience.

Show Alignment with Core Competencies and Emphasis Area Competencies

During the culminating experience, the student should show how each of the MPH core competencies and emphasis area competencies were used or met. Core competencies and emphasis area competencies are available on the MPH website: www.k-state.edu/mphealth/areas/ select your area of emphasis and then select the first pdf on the page for the all competencies.

Attachments

References or Bibliography

Include a separate chapter for your references or bibliography. This chapter should be titled either “References” or “Bibliography”. Examples of citations are below:

Devine, P. G., & Sherman, S. J. (1992). Intuitive versus rational judgment and the role of stereotyping in the human condition: Kirk or Spock? Psychological Inquiry, 3(2), 153-159.
Hodges, F. M. (2003). The promised planet: Alliances and struggles of the gerontocracy in American television science fiction of the 1960s. The Aging Male, 6(3), 175-182.
James, N. E. (1988). Two sides of paradise: The Eden myth according to Kirk and Spock. In D. Palumbo (Ed.), Spectrum of the fantastic (pp. 219-223). Westport, CT: Greenwood.

Appendix

An appendix is supplemental material pertinent to your report. It is not required, but if you have additional useful information, include it here.

If you have several supplemental items, you may break out your Appendix out into Appendix 1 and Appendix 2, etc., but please note, if you have an Appendix 1 you must have an Appendix 2.

Attachment 2. Graduate Faculty Applications

APPLICATION
MASTER OF PUBLIC HEALTH (MPH) PROGRAM FACULTY
KANSAS STATE UNIVERSITY

Please complete this form and send it along with an accompanying brief (2-3 page) Curriculum Vitae to: Dr. Michael Cates, Director, Master of Public Health Program, 311 Trotter Hall.

PERSONAL INFORMATION

Name of Applicant: Kelly J.K. Getty

Title and Department: Associate Professor, Food Science Institute/Dept. Animal Sciences & Industry

Office Address: 216 Call Hall

Office Phone: 785-532-2203 Email: kgetty@ksu.edu

PROFESSIONAL RESPONSIBILITIES

Graduate Faculty Status: (●) Yes ( ) No

Graduate Courses Taught (limit 285 characters)

Currently, I teach FDSCI 740 Research and Development of Food Product and ASI 776 Meat Industry Technology. Both are undergraduate/graduate courses. FDSCI 740 is available on-campus and distance and ASI 776 is available via distance only. In addition, I have served as a guest lecture for Advanced HACCP and Food Protection and Defense-Essential Concepts and co-teach KSU HACCP workshops offered for processors in the food industry.

PERSONAL STATEMENT

Briefly describe in the space below, your interest, experience, current projects, and other contributions to the Master of Public Health program at Kansas State University (limit 855 characters)

My area of research emphasis is food safety. I advise Food Science graduate students' projects that focus on evaluating the efficacy of processing schedules, packaging systems, and antimicrobial agents/chemicals for controlling foodborne pathogens in ready-to-eat meat products, produce, and food processing contact surfaces. Other food safety research projects have evaluated industry's practices to produce safe food products and opinions and practices related to mold in food processing environments.

Therefore, my interest in the Master of Public Health program would be in advising students that would be on the food safety track. I would be willing to serve as a committee member for MPH graduate students.

7-14-2013
Date

Signature

Kelly Jolleen Karr Getty, Ph.D.
Associate Professor, Kansas State University
216 Call Hall, Manhattan, KS 66506
Phone: (785) 532-2203 Fax: (785) 532-5861 Email: *kgetty@ksu.edu*

EDUCATIONAL BACKGROUND

Ph.D. 1999 Kansas State University, Food Science
M.S. 1992 Pennsylvania State University, Food Science
B.S. 1988 Kansas State University, Food Science and Technology

PROFESSIONAL EXPERIENCE

7/11-Present Associate Professor, Kansas State University, Food Science Institute (FSI) with tenured home in Department of Animal Sciences & Industry (80% teaching and 20% research), Manhattan, KS. 06/05-07/11 Assistant Professor, 7/01-5/05 Research Assistant Professor, FSI (100%).

- Coordinate Food Science Institute activities. Duties include: writing and serving as a principal investigator (PI) for research and educational grants, development of promotional and recruitment material; editing the FSI Newsletter; and serving as Food Science Club advisor.
- Advise (≈25) and serve on committees (≈8 per year) for both on-campus and distance education M.S. and Ph.D. Food Science students.
- Advise ≈30 undergraduate Food Science students.
- Teach Fundamentals of Food Processing (on-campus and distance) and Meat Industry Technology (distance course); team-teach Research and Development of Food Products (lecture and laboratory), and team-teach Food Science Freshman Orientation; guest lecture for Advanced HACCP and Food Protection and Defense-Essential Concepts.

12/99-7/01 Assistant Professor, Clemson University, Department of Food Science and Human Nutrition and Department of Animal and Veterinary Sciences (joint appointment), Clemson, SC.

8/97-11/99 Extension Associate, Meats, Kansas State University, Department of Animal Sciences and Industry, Manhattan, KS.

PROFESSIONAL ACTIVITIES AND HONORS

Professional Associations

Institute of Food Technologists (IFT)

9/10 – current – Muscle Foods Division: Chair-Elect, Chair, Past-Chair
2011 – Muscle Foods Division: Lead Reviewer for Technical Program
2007, 2010, 2011, 2012 – Muscle Foods Division: Student Competition Judge
07/04 – 07/06 – Muscle Foods Division: Alternate Counselor
2005– current – IFT Professional Member

Gamma Sigma Delta Agriculture Honorary (Kansas State University)

08/10 – 08/13 – President-Elect, President, Past-President
06/07 – 06/09 – Secretary
2006 – Early Career Award

GRANTS – FUNDED

Nutsch, A., Getty, K., Kastner, J., and Kastner, C. 2010. Interdisciplinary multi-institutional education programs for NCFPD, US Department of Homeland Security, $788,646.

Nutsch, A., Getty, K., Retzlaff, D., Kastner, J., and Kastner, C. 2008. Development and implementation of a graduate certificate program in food protection and defense. National Center for Food Protection and Defense. $456,240.

Linton, R.H., Maier, D., Field, W., McSwane, D. and Getty, K.J.K. 2006. Development of a national educational and outreach program for food safety and food defense. USDA Integrated research, education and extension competitive grants. $200,000 Kansas State University portion of $599, 887.

Erpelding, L.H., Maes, S.C., Acker, D.G., and Vaughn, P.R. 2005. Collaborative agricultural and food sciences distance education programs in the heartland. USDA Higher Education Challenge Grant. $376,812. *Responsible for food safety and security distance education efforts.*

Getty, K.J.K. and Boyle, E.A.E. 2004. Jerky validation for small and very small meat and poultry businesses. U.S. Dept. of Agriculture, FSIS. $72,763.

PUBLICATIONS

Refereed Articles

Saini, J., Barrios, M., Marsden, J.L., Getty, K.J.K., and Fung, D.Y.C. 2013. Efficacy of mirenat-N (lauric arginate) antimicrobial against *Listeria monocytogenes* on stainless steel coupons. Advances in Microbiology. PP. 65-68, Pub. Date: March 28, 2013 DOI: 10.4236/aim.2013.31010.

Karre, L., Lopez, K., and Getty, K.J.K. 2013. Natural antioxidants in meat and poultry products (Review article). Meat Scie. 94: 220-227.

Harper, N.M. and Getty, K.J.K. 2012. Effect of salt reduction on growth of *Listeria monocytogenes* in meat and poultry systems. J. Food Sci. 77: M669-674.

Getty, K.J.K. 2011. Development of a food defense workshop and graduate certificate in food safety and defense for working professionals. Agriculture, Food and Analytical Bacteriology Journal. Available at http://afabjournal.com/articles/development-of-a-food-defense-workshop-and-graduate-certificate-in-food-safety-and-defense-for-working-professionals/.

Uppal, K.K., Getty, K.J.K., Boyle, E. A.E., Harper, N. M., Lobaton-Sulabo, A. S., and Barry, B. 2011. Effects of packaging and storage time on survival of *Listeria monocytogenes* on kippered beef steak and turkey tenders. J. Food Sci. Article first published online: 2 DEC 2011 | DOI: 10.1111/j.1750-3841.2011.02485.x.

Roberts, M.N. and Getty, K.J.K. 2011. Validation of heating conditions in production of direct acidified venison with beef fat summer sausage for elimination of *Escherichia coli* O157:H7. J. Food Safety. Article first published online: 24 OCT 2011 | DOI: 10.1111/j.1745-4565.2011.00324.x.

Linton, R., Nutsch, A., McSwane, D., Kastner, J., Bhatt, T., Hodge, S., Getty, K.J.K., Racz, C., Kastner, C., Maier, D., Field, W., Chaturvedi, A., and Woodley, C. 2010. Use of a stakeholder-driven DACUM process to define knowledge areas for food protection and defense. J Homel Secur Emerg. 8(2), Article 6. Available at: http://www.bepress.com/jhsem/vol8/iss2/6.

Weber, M.J.D., Boyle, E.A.E., Getty, K.J.K., Harper, N.M., Weber, C.G., and Roenbaugh, T.L. 2011. Efficacy of home-style dehydrators for controlling *Salmonella* on whole-muscle chicken. J. Food Protect. 74:1079-1082.

Harper, N.M., Getty, K.J.K., Schmidt, K.A., Nutsch, A.L., and Linton, R.H. 2011. Comparing the mannitol-egg yolk-polymyxin agar plating method with the three-tube most probable number method for enumeration of *Bacillus cereus* spores in raw and high-temperature, short-time pasteurized milk. J. Food Prot. 74:461-466.

Abstracts

Christianson, A., Boyle, E.A., Evans, D.W., Getty, K.J., and Stedry, A. Processors' perceptions of mold on meat and in processing plant environments in Kansas. 66th Reciprocial Meat Conf of the American Meat Sci Assoc. June 16-19, 2011. Auburn University, Auburn, AL.

Lopez, K. and Getty, K.J.K., and Vahl, C.I. 2013. Validation of commercial washing treatments to reduce pathogens in green leaf lettuce and tomatoes. Ann. Mtg. International Assoc. Food Protection, Charlotte, NC July 28 – 31.

McKay, K., Getty, K.J.K., and Marsden, J.L. 2013. Efficacy of advanced oxidation technology and lactic acid washes on *Escherichia coli* O157:H7 on bagged spinach. Ann. Mtg. International Assoc. Food Protection, Charlotte, NC July 28 – 31.

APPLICATION
MASTER OF PUBLIC HEALTH (MPH) PROGRAM FACULTY
KANSAS STATE UNIVERSITY

Please complete this form and send it along with an accompanying brief (2-3 page) Curriculum Vitae to: Dr. Michael Cates, Director, Master of Public Health Program, 311 Trotter Hall.

PERSONAL INFORMATION

Name of Applicant: Natalia Cernicchiaro

Title and Department: Research Assistant Professor, Diagnostic Medicine and Pathobiology

Office Address: 304 Coles Hall

Office Phone: 532 4621 Email: ncernic@vet.k-state.edu

PROFESSIONAL RESPONSIBILITIES

Graduate Faculty Status: (●) Yes ( ) No

Graduate Courses Taught (limit 285 characters)

Kansas State University:
DMP 708 Veterinary Epidemiology: Instructor (Course coordinator: Dr. David G. Renter)
DMP 954 Advanced Epidemiology: Lecturer (Course coordinator: Dr. H. Morgan Scott)
CS 879 Applied Production Medicine: Collaborator (Course coordinator: Dr. Brad J. White)
Other Institutions:
POPM 6210 Analytic Epidemiology: Teaching assistant (University of Guelph, OVC, Canada)
CVM 6500 Public Health Rotation: Lecturer (University of Minnesota, St. Paul, MN)

PERSONAL STATEMENT

Briefly describe in the space below, your interest, experience, current projects, and other contributions to the Master of Public Health program at Kansas State University (limit 855 characters)

My primary research focus is on veterinary epidemiology, food safety, zoonoses and production medicine. My research interests include the application of epidemiological concepts and techniques, including multi-level modeling and other statistical methods, to design, implement, analyze, and interpret diagnostic, observational and experimental data. I am interested in studying animal disease problems by integrating different approaches and perspectives, including animal health and animal welfare, environmental health, economic profitability and economic impact, diagnosis, control and implications in public health and producers' sustainability. My projects have involved a variety of pathogens, such as Escherichia coli O157: H7 and non-O157, Salmonella spp., and respiratory disease organisms in cattle and wildlife hosts. In addition, I am interested in promoting education and research through national and international collaboration.

April 23, 2013
Date

Natalia Cernicchiaro
Digitally signed by Natalia Cernicchiaro
DN: cn=Natalia Cernicchiaro, o=Kansas State University, ou, email=ncernic@vet.k-state.edu, c=US
2013.04.23 10:46:58 -05'00'
Signature

NATALIA CERNICCHIARO, DVM, MSc, PhD
Research Assistant Professor
Diag. Medicine/Pathobiology
College of Veterinary Medicine, Kansas State University
304 – Coles Hall, Manhattan, KS 66506
Phone: (785) 532 4621, ncernic@vet-k.state.edu

EDUCATION

2007 - 2010	**Doctor of Philosophy, Epidemiology** University of Guelph, Ontario Veterinary College, Guelph - Ontario, Canada
2004 - 2006	**Master of Science, Epidemiology** University of Minnesota, College of Veterinary Medicine, St. Paul - Minnesota, USA
1995 - 2003	**Doctor in Veterinary Medicine** (DVM) University of Uruguay, College of Veterinary Medicine, Montevideo - Uruguay
1989 - 1994	**Bachelor in Biology** Juan Zorrilla de San Martin, Montevideo, Uruguay
Languages	English and Spanish (fluent), French, Italian and Portuguese (basic)
Software	STATA, SAS, MLwiN, Knime, Microsoft office (Word, Excel, Access, PowerPoint)

RESEARCH EXPERIENCE

2012 to date Kansas State University	**Research Assistant Professor** Department of Diagnostic Medicine, College of Veterinary Medicine, Manhattan, Kansas
2011 to date Kansas State University	**Research Associate** Department of Diagnostic Medicine, College of Veterinary Medicine, Manhattan, Kansas
2010 – 2011 Kansas State University	**Post-doctoral fellow** Department of Diagnostic Medicine, College of Veterinary Medicine, Manhattan, Kansas
2007 – 2010 University of Guelph	**Research Assistant** Population Medicine Department, Ontario Veterinary College, Guelph, Ontario
2009 – 2010 Public health Agency of Canada	**Epidemiologist: private contractor** Development, implementation, evaluation and application of knowledge synthesis and translation support tools for evaluating reporting of relevant primary studies.
2004 – 2006 University of Minnesota	**Research Assistant** Veterinary Population Medicine Department, College of Veterinary Medicine, St. Paul Campus, Minnesota
1998 – 2003 University of Uruguay	**Research Assistant** National Institute of Agricultural Investigation (INIA), Biostatistics and Informatics Department, College of Veterinary Medicine, Universidad de la Republica Oriental del Uruguay, Montevideo, Uruguay.

TEACHING EXPERIENCE

2012 to date Kansas State University	**Instructor:** Veterinary Epidemiology - DMP708 (Course for 1st year veterinary students)
2011 to date Kansas State University	**Collaborator:** Applied Production Medicine course - CS879 (Graduate course)
2011 Kansas State University	**Lecturer:** Advanced Epidemiology - DMP 954 (Graduate course)
2011 – 2012 Kansas State University	**Lecturer:** Disease detection, surveillance and risk assessment - DMP 855 (Graduate course)
2008 – 2010 University of Guelph	**Teaching assistant:** Epidemiology II: Analytic epidemiology - POPM 6210 (Graduate course)
2009 University of Guelph	**Teaching assistant:** Epidemiology I: Introduction to Epidemiology - POPM 3240

	(Undergraduate course)
2006 University of Minnesota	**Teaching assistant:** International animal disease problems - CVM 6031 (Online and in-class format, course for veterinary students)
2005 – 2006 University of Minnesota	**Lecturer:** Public Health Rotation - CVM 6500 (Course for veterinary students)
1998 – 2000 University of Uruguay	**Laboratory assistant:** Pathology (Course for veterinary students)

Currently, I have 5 students (undergraduate, veterinary and graduate students) under my supervision and I will have three more students (one VRSP student and two student interns) during summer 2013.

GRANTS

Active funding:

2012 – 2016: Shiga-toxigenic *Escherichia coli* (STEC) in the beef chain: assessing and mitigating the risk by translational science, education and outreach. Rodney Moxley (PD), **Natalia Cernicchiaro (Collaborator),** (>20 investigators). USDA AFRI CAP grant.
$25,000,000

2012 – 2014: Epidemiology and fluoroquinolone-susceptibility patterns of *Salmonella* and *Campylobacter* in feedlot cattle. David G. Renter (PD), **Natalia Cernicchiaro (PI),** H. Morgan Scott, T.G. Nagaraja. Bayer Animal Health Inc.
$357,074

Variability in the risk of *Salmonella* lymph node carriage and the efficacy of the *Salmonella* SRP vaccine for reducing lymph node carriage and fecal shedding in fed cattle. David G. Renter (PD), **Natalia Cernicchiaro (PI),** T.G. Nagaraja (PI). Zoetis (before Pfizer Animal Health).
$272,226

Variability in the risk of *Salmonella* lymph node carriage and the efficacy of a targeted preharvest risk reduction strategy. David G. Renter (PD), **Natalia Cernicchiaro (PI),** T.G. Nagaraja (PI). Kansas Beef Council.
$99,900

Pending funding:

Risk management strategies to reduce the impacts of bovine respiratory disease complex in commercial feeder cattle. David G. Renter (PD), **Natalia Cernicchiaro (PI),** Nora M. Bello, Robert Larson, Mike W. Sanderson, Ted Schroeder, Brad J. White. USDA AFRI
$500,000

Pre-and post-harvest prevalence of *E. coli* O157:H7, *Salmonella*, *Campylobacter*, *Listeria*, mycotoxins and aflatoxins. Andres D. Gil (PD), **Natalia Cernicchiaro (PI)** and other collaborators from the College of Veterinary Medicine in Montevideo, Uruguay. **INIA** (National Institute of Agricultural Research)
$200,000

PUBLICATIONS

Scientific papers:

1. **Cernicchiaro, N.**, Renter, D.G., Xiang, S., White, B.J., Bello, N.M. 2013. Hierarchical Bayesian modeling of heterogeneous variances in average daily weight gain of commercial feedlot cattle. *Journal of Animal Science*. March 12 Epub ahead of print.
2. Amrine, D.E., White, B.J., Larson, R.L, Anderson, D.E, Mosier, D.A, **Cernicchiaro, N.** 2013. Precision and accuracy of clinical illness scores, compared with pulmonary consolidation scores, in Holstein calves with experimentally induced *Mycoplasma bovis* pneumonia. *American Journal of Veterinary Research*. 74:310-315.
3. **Cernicchiaro, N.**, White, B.J., Renter, D.G., Babcock, A.H. 2013. Evaluation of economic and performance outcomes associated with the number of treatments after an initial diagnosis of bovine respiratory disease in commercial feeder cattle. *American Journal of Veterinary Research*. 74:300-309.

4. Babcock, A.H., **Cernicchiaro N.**, White B.J., Dubnicka S.R., Thomson, D.U., Ives, S.E., Scott, H.M., Milliken, G.A., Renter, D.G. 2012. A multivariable assessment quantifying effects of cohort-level factors associated with combined mortality and culling risk in U.S. commercial feedlot cattle. *Preventive Veterinary Medicine*.108:38-46.
5. Elmas, C.R., Koenig, J.B., Bienzle, D., Cribb, N., **Cernicchiaro, N.**, Cote, N., Weese, S. 2012. Evaluation of a broad-range real time PCR assay for the diagnosis of septic sinovitis in horses. *Canadian Journal of Veterinary Research*. In press.
6. **Cernicchiaro, N.**, Renter, D.G., White, B.J., Babcock, A.H., Fox, J.T. 2012. Associations between weather conditions during the first 45 days following arrival and daily respiratory disease rates in autumn-placed U.S. commercial feedlot cattle. *Journal of Animal Science*. 90:1328-1337
7. **Cernicchiaro, N.**, White, B.J., Renter, D.G., Babcock, A.H., Kelly, L., Slattery, R. 2012. Associations between the distance traveled from sale barns to U.S. commercial feedlots and overall performance, risk of respiratory disease and cumulative mortality in feeder cattle during 1997 to 2009. *Journal of Animal Science*. 90:1929-1939
8. **Cernicchiaro, N.**, White, B.J., Renter, D.G., Babcock, A.H., Kelly, L., Slattery, R. 2012. Effects of weight loss during transit from sale barns to commercial feedlots on health and performance in feeder cattle cohorts arriving to feedlots from 2000 to 2008. *Journal of Animal Science*. 90:1940-1947
9. Tusevljak, N., Rajic, A., Waddell, L., Dutil, L., **Cernicchiaro, N.**, Greig, J., Wilheim, B., Wilkins, W., Totton, S., Uhland, C.F., Avery, B., McEwen, S. 2012. Prevalence of selected zoonotic bacteria in selected aquatic species and seafood: a scoping study, systematic review and meta-analysis of published research. *Foodborne Pathogens and Disease* 9:487-497.
10. **Cernicchiaro, N.**, Pearl, D.L., McEwen, S.A., Harpster, L., Homan, H.J., Linz, G.M., LeJeune, J.T. 2012. Association of wild bird density and farm management factors with the prevalence of *E. coli* O157 in dairy herds in Ohio (2007-2009). *Zoonoses and Public Health*. 59:320-329.
11. Weir, M., Rajić, A., Dutil, L., **Cernicchiaro, N.**, Uhland, C.F., Mercier, B., and Tuševljak, N. 2012. Zoonotic Bacteria, Antimicrobial Use and Antimicrobial Resistance in Ornamental Fish: A Systematic Review of the Existing Research and Survey of Aquaculture-Allied Professionals. *Epidemiology and Infection Journal* 140:192-206.
12. Rioja, E., **Cernicchiaro, N.**, Costa, M.C., Valverde, A. 2012. Perioperative risk factors for mortality and length of hospitalization in mares with dystocia undergoing general anesthesia: a retrospective study. *Canadian Veterinary Journal*. 53:502-510.
13. **Cernicchiaro, N.**, Pearl, D.L., McEwen, S.A., LeJeune, J.T. 2011. Assessment of diagnostic tools for identifying cattle shedding and super-shedding *Escherichia coli* O157:H7 in a longitudinal study of naturally infected feedlot steers in Ohio. *Foodborne Pathogens and Disease* 8:239-248.
14. **Cernicchiaro, N.**, Pearl, D.L., McEwen, S.A., Zerby, H.N., Fluharty, F.L., Loerch, S.C., Kauffman, M.D., Bard, J.L., LeJeune, J.T. 2010. A randomized controlled trial to assess the impact of dietary energy sources, feed supplements, and the presence of super-shedders on the detection of *Escherichia coli* O157:H7 in feedlot cattle using different diagnostic procedures. *Foodborne Pathogens and Disease* 7:1071-1081.
15. **Cernicchiaro, N.**, Pearl, D.L., Ghimire, S., Gyles, C.L., Johnson, R.P., LeJeune, J.T., Ziebell, K., McEwen, S.A. 2009. Risk factors associated with *Escherichia coli* O157:H7 in Ontario beef cow-calf operations. *Preventive Veterinary Medicine* 92:106-115.
16. **Cernicchiaro, N.**, Wells, S. J., Sreevatsan, S., Janagama, H. 2008. Characterization of *Mycobacterium avium* subsp. *paratuberculosis* subtypes by type of culture media. *Journal of Clinical Microbiology* 46:145-149.
17. Wells, S.J., Collins, M.T., Faaberg, K.S., Wees, C., Tavornpanich, S., Petrini, K.R., Collins, J.E., **Cernicchiaro, N.**, Whitlock, R. 2006. Evaluation of a rapid fecal PCR test for detection of *Mycobacterium avium* subsp. *paratuberculosis* in dairy cattle. *Clinical Vaccine Immunology* 13:1125-1130.
18. **Cernicchiaro, N.**, Zaffaroni, R., de Freitas, J. 1998. Neosporosis: a reproductive disease to be taken into account (Neosporosis: una enfermedad reproductiva a tener en cuenta), *Sociedad de Medicina Veterinaria del Uruguay Journal* 34 (139-140):33-42.

Book chapters:

1. Sreevatsan, S., **Cernicchiaro, N.**, Kaushik, R., 2009. *Mycobacterium avium* subsp. *paratuberculosis*: an unconventional pathogen? In: Food-borne microbes: Shaping the host ecosystem. IV. Model organisms. Editors: Lee-Ann Jaykus, Hua H. Wang, Larry, S. Schlesinger, ASM Press.

APPLICATION
MASTER OF PUBLIC HEALTH (MPH) PROGRAM FACULTY
KANSAS STATE UNIVERSITY

Please complete this form and send it along with an accompanying brief (2-3 page) Curriculum Vitae to: Dr. Michael Cates, Director, Master of Public Health Program, 311 Trotter Hall.

PERSONAL INFORMATION

Name of Applicant: Lee Cohnstaedt

Title and Department: Research Entomologist, USDA, Agricultural Research Service

Office Address: 1515 college Ave

Office Phone: 785.537.5592 Email: Lee.Cohnstaedt@ars.usda.gov

PROFESSIONAL RESPONSIBILITIES

Graduate Faculty Status: (●) Yes ( ) No

Graduate Courses Taught (limit 285 characters)

None

PERSONAL STATEMENT

Briefly describe in the space below, your interest, experience, current projects, and other contributions to the Master of Public Health program at Kansas State University (limit 855 characters)

I study vector-borne diseases for the US Department of Agriculture in the Arthropod-Borne Animal Diseases Research Unit a part of the Agricultural Research Service. My lab works on disease vector mosquitoes, which transmit Rift Valley Fever and the various encephalitis viruses and biting midges (Culicoides) that transmit orbiviruses (bluetongue and epizootic hemorrhagic disease virus). My lab has three main groups: behavior, population genetics, and mathematical modeling. The behavior group studies the fine scale innate or learned tendencies of insects to discover better surveillance methods and attractants. Similarly, behaviors in the presence of repellents and insecticides helps develop more efficient pesticide deployment techniques. The population genetics group just finished a nationwide mosquito survey and collected Culex tarsalis or Aedes vexans mosquitoes from 1,101 locations throughout the United States. These samples are being sequenced for full genome SNP discovery to address phylogenetic and population genetic questions. The last group uses epidemiological modeling to predict the location and extent of disease outbreaks based on the mosquito populations (from the genetics group) and then the effectiveness of mitigation techniques (from the behavior group). My PhD is in Epidemiology and Public Health, therefore, my research has a strong public health and applied emphasis. Furthermore, we study the relationships of the epi-triad (environment, pathogen, and host) and their interactions with the disease vector.

16 April 2013 — Lee Cohnstaedt

Date **Signature**

Lee W. Cohnstaedt

Arthropod-Borne Animal Diseases Research Unit
Agricultural Research Service - United States Department of Agriculture
1515 College Ave; Manhattan, KS 66502
(203) 645-2345; Lee.Cohnstaedt@ars.usda.gov

Education

2003- 2008	Ph. D., School of Epidemiology and Public Health, Yale University, New Haven, Connecticut (2008)
	M. Phil., School of Epidemiology and Public Health Yale University, New Haven, Connecticut (2006)
1997-2001	B. A., Clarks Honors College, University of Oregon, Eugene, Oregon Academic honors in Biology and Spanish Undergraduate thesis passed with honors
Languages	Spanish (fluent), German (basic)

Research Experience

2011-present
Center for Grain and Animal Health Research
Agricultural Research Service, USDA
Manhattan, KS

Research Entomologist
- Behavioral and physiological studies of disease vectors of medical and veterinary importance including pesticide susceptibility, host attraction, and repellent evaluation.
- Population genetics study of *Culex tarsalis* and *Aedes vexans* throughout North America to determine point of origin and subsequent geographic radiation, for the identification of subspecies, genetic populations, and abiotic factors influencing migration.
- Mathematical and geo-spatial modeling of vector-borne disease epidemics.

2011-present
Manhattan, KS

Adjunct Faculty – graduate faculty status
Entomology Department - Kansas State University, Manhattan, Kansas

2009-2010
Center for Medical, Agricultural, and Veterinary Entomology, Agricultural Research Service, USDA
Gainesville, FL

Research Entomologist with Dr. Sandra Allan
- Investigated the effects of sublethal insecticide doses on insect host seeking behavior using wind tunnel behavioral assays. Physiological effects were evaluated using electroantennal and single sensilum recordings.
- Researched the behavior of malaria and dengue disease vectors in the presence of insecticides, repellents and attractants.
- Evaluated insect trapping systems based on the insect vision physiology.
- Helped invent and patent a new terrestrial insect trapping system based on the target insects' behavioral and physiological state.

2008-2010

Insect trapping Consultant
- Helped to design the entomological surveillance plan for malaria vectors in Equatorial Guiana for Medical Care Development International.
- Product evaluation and development for BioQuip Incorporated.
- Phlebotomine sand fly expert for Genesis Laboratories for leishmania control in Bihar, India.
- Mosquito trapping expert for mark, release, recapture project by Center for Disease Control in Ft. Collins, Colorado.

Publications and Patents

1. Xue, L., **L.W. Cohnstaedt***, H.M. Scott, and C. Scoglio. 2012. A hierarchical network approach for modeling Rift Valley fever epidemics with applications in North America. *PLoS ONE. In press.*

2. Xue, L., H.M. Scott, **L.W. Cohnstaedt**, and C. Scoglio. 2012. A network-based meta-population approach to model Rift Valley Fever epidemics. *Journal of Theoretical Biology*. 306:129-144.
3. Tchouassi, D.P., R. Sang, C.L. Sole, A. D.S. Bastos, **L.W. Cohnstaedt**, and B. Torto. 2012. Trapping of Rift Valley Fever (RVF) vectors using light emitting diode (LED) CDC traps in two arboviral disease hot spots in Kenya. *Parasites and Vectors*. 5:94-97.
4. **Cohnstaedt, L. W.**, K. Rochon, A. J. Duehl, J. F. Anderson, R. Barrera, N-Y. Su, A. C. Gerry, P. J. Obenauer, J. F. Campbell, T. J. Lysyk, and S. A. Allan. 2012. Arthropod surveillance programs: Basic components, strategies, and analysis. *Annals of the Entomological Society of America* 105:135-149.
5. **Cohnstaedt, L.W.**, A.L. Cáceres, L. Beati, and L.E. Munstermann. 2012. The population structure of *Lutzomyia verrucarum* (Diptera: Psycodidae), a *Bartonella bacilliformis* and *Leishmania peruviana* vector in Peru. *Journal of Medical Entomology* 49:77-84.
6. Diclaro, J. W., **L. W. Cohnstaedt,** R. M. Perreira, S. A. Allan, and P. G. Koehler. 2012. Behavioral and physiological response of *Musca domestica* to colored visual targets. *Journal of Medical Entomology* 49:94-100.
7. **Cohnstaedt, L. W.** and S. A. Allan. 2011. Effects of sublethal pyrethroid exposure on the host seeking behavior of female mosquitoes. *Journal of Vector Ecology* 36:395-403.
8. Duehl, A., **L.W. Cohnstaedt**, T. Arborgast, and P. Teal. 2011. Evaluating light attraction to increase trap efficiency for *Tribolium castaneum* (Coleoptera: Tenebrionidae) *Journal of Economic Entomology* 104:1430-1436.
9. **Cohnstaedt, L.W.**, A.L. Cáceres, C. Ferro, L. Beati, and L.E. Munstermann. 2011. Phylogentics of the Phlebotomine sand fly group Verrucarum (Diptera: Psychodidae: Lutzomyia). *American Journal of Tropical Medicine and Hygiene* 84:913-922.
10. Duehl, A., **L.W. Cohnstaedt**, T. Arborgast, and P. Teal. 2010. A novel terrestrial insect trap. Patent Number: US8276314B2
11. Jones, L.J., **L.W. Cohnstaedt**, L. Beati, R. Terán, R. León, and L.E. Munstermann. 2010. New records of phlebotomine sand flies (Diptera: Psychodidae) from Ecuador. *Proceedings of the Entomological Society of Washington* 112:47-53.
12. Usmani-Brown, S., **L. Cohnstaedt**, and L.E. Munstermann. 2009. Population Genetics of *Aedes albopictus* (Diptera: Culicidae) Invading Populations, Using Mitochondrial nicotinamide Adenine Dinucleotide Dehydrogenase Subunit 5 Sequences. *Annals of the Entomological Society of America* 102:144-150.
13. **Cohnstaedt, L.W.**, J.I. Gillen, and L.E. Munstermann. 2008. Light emitting diode technology improves insect trapping. *Journal of the American Mosquito Control Association* 24:331-334.
14. **Cohnstaedt, L.W.**, J.I. Gillen, W.M. Cohnstaedt, and L.E. Munstermann. 2006. Method and Compositions for Improved Light Traps. Patent. USPTO Patent # 7784215.
15. Zani, P.A., S.E.T. Swanson, D. Corbin, **L.W. Cohnstaedt**, M.D. Agotsch, W.E. Bradshaw, and C.M. Holzapfel. 2005. Geographic variation in the thermal stress tolerance of the pitcher-plant mosquito, *Wyeomyia smithii. Ecology* 86:1206-1211.
16. Zani, P.A., **L.W. Cohnstaedt,** D. Corbin, W.E. Bradshaw, and C.M. Holzapfel. 2005. Reproductive value in a complex life cycle: heat tolerance of the pitcher-plant mosquito, *Wyeomyia smithii. Journal of Evolutionary Biology* 18:101-105.
17. Mohr, D., **L.W. Cohnstaedt** and W. Topp. 2005. Wild boar and red deer affect soil nutrients and soil biota in steep oak stands of the Eifel. *Soil Biology and Biochemistry* 37:693-700.

Non peer-reviewed publications

1. **Cohnstaedt, L.W.**, D.S. McVey, and M.G. Ruder. 2012. The on-farm spread of epizootic hemorrhagic disease virus: an argument for quarantine. *The North American Deer Farmer.* Fall edition.

2. **Cohnstaedt, L.W.** and D. Snyder. 2012. Improving surveillance of *Culicoides sonorensis* with more efficient light traps. Peer-reviewed Proceedings of the United States Animal Health Association symposium, Buffalo, New York, September 29-October 5. 115:161.
3. **Cohnstaedt, L.W.** 2012. The small big problem on deer farms: disease transmitting midge flies. *The North American Deer Farmer.* Spring Edition.
4. **Cohnstaedt, L.W.,** D.S. McVey, and M.G. Ruder. 2012. Three methods for reducing epizootic hemorrhagic disease (EHD) transmission on your deer farm. *The Indiana Deer and Elk Farmer's Association Journal.*
5. **Cohnstaedt, L.W.** 2009.Genetics and distribution of *Lutzomyia verrucarum* (Diptera: Psychodidae), a Phlebotomine sand fly of Peru. Yale University. Doctoral Thesis.
6. **Cohnstaedt, L.W.** 2001. Haul-Out Area Usage by Harbor Seals (*Phoca vitulina*) at the North Cove of Cape Arago, Oregon. University of Oregon. Undergraduate Thesis.

Awards

- North American Deer Farmer's Association Grant (2012) $162,000
- Yale Public Health Travel grant (2006) $8,000
- Downs' Fellowship for research on sand flies in Peru (2005) $2,000
- Entomological Society of America President's prize runner up (2005)
- Parasitology Fellow NIH (2004-2006)
- Vector-Borne Disease Fellow CDC (2003-2004)
- NSF-Research Experience for Undergraduates in San Juan, Puerto Rico (2001) $4,000
- Laurel (1997), Culbertson (1998), Terwilliger (1999), and Wittemyer (2000) scholarships $1,000 each.

Invited Presentations (since 2010)

1. North American Deer Farmer's Association annual meeting, Dallas, Texas, 2012. An integrated pest management plan for midge reduction.
2. Official Veterinary Laboratory of Uruguay (DILAVE), Montevideo, Uruguay, 2011. New technologies for insect surveillance (Nuevas technologias en vigilancia entomologica)
3. Workshop on multiscale computational modeling for zoonotic epidemics, Kansas City, MO. 2011 Workshop organizer and presented: Enhancing landscape modeling with population genetics data
4. United States Animal Health Association annual meeting, Buffalo, NY. 2011. Improving surveillance of *Culicoides sonorensis* with more efficient light traps.
5. Kenya Agricultural Research Institute meeting Nairobi, Kenya 2011.USDA-Arthropod-Borne Animal Diseases Research Unit Entomology projects,
6. Kansas State Entomology Department Seminar, Manhattan, KA 2011 ABADRU and You: Past, Present and Future research projects on disease vectors at the USDA.
7. Continuing Education Workshop: The Biology and Control of Mosquitoes in California. Anaheim, CA. 2010. Mosquito Behavior in the Presence of Repellents and Insecticides
8. Entomological Society of America, San Diego, CA. 2010. Symposium organizer. Advancements in Arthropod Monitoring Technology, Techniques and Analysis. Talk: Review of methodology and technology for medical and veterinary surveillance.
9. Deployed War Fighter annual meeting Gainesville, FL. 2010. Physiological and behavioral responses of mosquitoes and sand flies to toxicant materials.
10. Society of Vector Ecology, Raleigh, NC. 2010. Mosquito behavior in the presence of repellents and insecticides.
11. Anastasia Mosquito Control Annual Meeting, St. Augustine, FL. 2010. Predicting mosquito behavior in the presence of repellents, insecticides, and attractants.
12. Armed Forces Pest Management Board Meeting Workshop, Jacksonville, FL. 2010. The sublethal effects of pyrethroid exposure on female mosquito behavior and sand fly behavior in the presence of spatial repellents.

Attachment 3: CEPH Site Visit Schedule

Kansas State University MPH Program
Council on Education for Public Health (CEPH) Site Visit
October 27-29, 2013

Sunday, October 27, 2013

Open — Arrival of Site Visit Team to Hotel
Holiday Inn Manhattan at the Campus
1641 Anderson Avenue
Manhattan, KS 66502
(785) 539-7531

6:00 pm — Executive Session of Site Visit Team
President's Room
Holiday Inn Manhattan at the Campus

7:00 pm — Site Visit Team Dinner (on your own)
Suggested: Houlihans, next to hotel

Monday, October 28, 2013

7:00 am — Breakfast (on your own)

8:00 am — Site Visit Team Hotel Pickup
Transport from hotel to Trotter Hall, Kansas State University
Meet Dr. Cates in lobby of Holiday Inn Manhattan
1641 Anderson Avenue
Manhattan, KS 65502
Michael B. Cates, DVM, MPH - MPH Program Director
Cell Phone (940) 372-5179

8:15 am — Site Team Set-up and Request for Additional Documents
Mara Conference Center, Trotter Hall
College of Veterinary Medicine
Kansas State University
1700 Denison Avenue
Manhattan, KS 66506
Michael B. Cates, DVM, MPH – MPH Program Director
Barta Stevenson, MS – MPH Program Assistant

8:30 am — Meet with MPH Program Director
Discuss Criterion 1: The Public Health Program (1.1-1.8); Criterion 2: Instructional Programs (2.1-2.7; 2.11-2.12); Criterion 4: Faculty, Staff and Students (4.1-4.4)
Michael B. Cates, DVM, MPH – MPH Program Director

9:15 am — Transportation to Anderson Hall
Transport by Dr. Cates

9:30 am — Meet with University Provost
Discuss Criterion 1: The Public Health Program (1.3-1.8)
April Mason, PhD – Provost, Kansas State University

10:00 am — Transportation back to Trotter Hall

10:15 am Executive Session of Team
Mara Conference Center, Trotter Hall
College of Veterinary Medicine
Kansas State University
Manhattan, KS 66506

10:45 am Break

11:00 am Meet with MPH Program Board of Directors
Discuss Criterion 1: The Public Health Program (1.3-1.8)

John Floros, PhD – Dean, College of Agriculture
Peter Dorhout, PhD – Dean, College of Arts & Sciences
John Buckwalter, PhD – Dean, College of Human Ecology
Ralph Richardson, DVM – Dean, College of Veterinary Medicine
Carol Shanklin, PhD – Dean, Graduate School
Michael B. Cates, DVM, MPH – MPH Program Director

11:45 am Break

12:00 pm Lunch with MPH Students
Discuss Criterion 2: Instructional Program (2.1-2.7); and Criterion 4: Faculty, Staff and Students (4.3-4.4)

Janet Guvele – Infectious Diseases and Zoonoses Area of Emphasis
Jason Orr – Infectious Diseases and Zoonoses Area of Emphasis
Joshua O'Neal – Public Health Physical Activity Area of Emphasis
Briana Rockler – Public Health Nutrition Area of Emphasis
Myllisia Stukey – Infectious Diseases and Zoonoses Area of Emphasis
Heidi Yonkey – Infectious Diseases and Zoonoses Area of Emphasis
Others invited:
James Scott Miller – Food Safety and Biosecurity Area of Emphasis
Heather Shuey-Burton, DVM – Food Safety and Biosecurity Area of Emphasis
Amanda Rall – Public Health Nutrition Area of Emphasis
Elizabeth Grilliot – Public Health Physical Activity Area of Emphasis
Michael McNulty – Public Health Physical Activity Area of Emphasis

12:45 pm Break

1:00 pm Meet with MPH Faculty Related to Curriculum and Degree Programs
Discuss Criterion 2: Instructional Program (2.1-2.7; 2.10-2.12); and Criterion 4: Faculty, Staff and Students (4.1-4.4)

Deb Canter, PhD, Professor, College of Human Ecology - Core Course Instructor (MPH 720)
Wei-Wen Hsu, PhD, Assistant Professor, College of Arts & Sciences - Core Course Instructor (MPH 701)
Brandon Irwin, PhD, Assistant Professor, College of Human Ecology – Instructor in Public Health Physical Activity Area of Emphasis
Justin Kastner, PhD, Associate Professor, College of Veterinary Medicine – Instructor in Food Safety/Biosecurity and Infectious Diseases/Zoonoses Areas of Emphasis
Robert Larson, DVM, PhD, Professor, College of Veterinary Medicine - Core Course Instructor (MPH 754)
Mary McElroy, PhD, Professor, College of Human Ecology - Core Course Instructor (MPH 818)
Abbey Nutsch, PhD, Assistant Professor, College of Agriculture – Instructor in Food Safety and Biosecurity Area of Emphasis
Ric Rosenkranz, PhD, Assistant, Professor, College of Human Ecology – Instructor in Public Health Nutrition Area of Emphasis

Michael Sanderson, DVM, PhD, Professor, College of Veterinary Medicine, Core Course Instructor (MPH 854)
Deon van der Merwe, PhD, Associate Professor, College of Veterinary Medicine, Core Course Instructor (MPH 806)

1:45 pm Break

2:00 pm Meet with MPH Faculty Related to Research, Service, Workforce Development, Faculty Issues
Discuss Criterion 3: Creation, Application and Advancement of Knowledge (3.1-3.3); and Criterion 4: Faculty, Staff and Students (4.1-4.4)

Stephen Chapes, MPH, PhD, Professor, College of Arts & Sciences – Infectious Diseases and Zoonoses Area of Emphasis
Daniel Fung, MSPH, PhD, Professor, College of Agriculture – Food Safety and Biosecurity Area of Emphasis
Katie Heinrich, PhD, Assistant Professor, College of Human Ecology – Public Health Physical Activity Area of Emphasis
Justin Kastner, PhD, Associate Professor, College of Veterinary Medicine – Food Safety and Biosecurity Area of Emphasis
Emily Mailey, PhD, Assistant Professor, College of Human Ecology – Public Health Physical Activity Area of Emphasis
Tanda Kidd, PhD, Associate Professor, College of Human Ecology – Public Health Nutrition Area of Emphasis
Kate KuKanich, DVM, PhD, Assistant Professor, College of Veterinary Medicine – Infectious Diseases and Zoonoses Area of Emphasis
Beth Montelone, PhD, Professor, College of Arts & Sciences – Infectious Diseases and Zoonoses Area of Emphasis
T.G. Nagaraja, PhD, Professor, College of Veterinary Medicine – Infectious Diseases and Zoonoses Area of Emphasis
Sandra Procter, PhD, Assistant Professor, College of Human Ecology – Public Health Nutrition Area of Emphasis
Ric Rosenkranz, PhD, Assistant Professor, College of Human Ecology – Public Health Nutrition Area of Emphasis
George Wang, PhD, Professor, College of Human Ecology – Public Health Nutrition Area of Emphasis

2:45 pm Break

3:00 pm Meet with MPH Program Executive Council Voting Members
Discuss Criterion 1: The Public Health Program (1.1-1.8); Criterion 4: Faculty, Staff, and Students (4.1-4.4)

Ken Odde, PhD – Department Head, Animal Sciences and Industry
M.M. Chengappa, PhD – Department Head, Diagnostic Medicine/Pathobiology
Bonnie Rush, DVM – Department Head, Clinical Sciences
Mark Haub, PhD – Department Head, Human Nutrition
David Dzewaltowski, PhD – Department Head, Kinesiology
Jeannie Sneed, PhD – Department Head, Hospitality Management and Dietetics
Gary Gadbury, PhD – Department Head, Statistics
Brian Spooner, PhD – Division Head, Biology

3:45 pm Break

4:00 pm Meet with Alumni and Community Representatives
Discuss Criterion 2: Instructional Programs (2.4-2.6); Criterion 3: Creation, Application, and Advancement of Knowledge (3.2-3.3); Criterion 4: Faculty, Staff and Students (4.3-4.4)

Virginia Barnard, MPH, Riley County Extension Service (Local public health leader, MPH program preceptor, and Alumnus – Public Health Nutrition)
Colonel Paul Benne, MD, MPH, Head, Public Health Division, Fort Riley (Local public health leader and MPH program preceptor)
Kimathi Choma, DVM, MPH (Field Experience Facilitator and Alumnus – Infectious Diseases and Zoonoses)
Brenda Nickel, MSN, President-Elect, Kansas Public Health Association and Director, Riley County Health Department (Local public health leader and MPH graduate employer)
Katy Oestman, MPH, CHES, Riley County Health Department (Alumnus – Public Health Physical Activity)
Others invited:
Jeanne Liu, MPH (Alumnus – Food Safety and Biosecurity)
Tara Lopez, MPH (Alumnus – Infectious Diseases and Zoonoses)
Gonzalo Erdozain, MPH (DVM Student and Alumnus – Infectious Diseases and Zoonoses)
Erika Bono, MPH (Alumnus – Public Health Nutrition)
Shely Weinrich, MPH (Alumnus – Public Health Physical Activity)

5:00 pm Adjourn

Tuesday, October 29, 2013

7:00 am Breakfast (on your own)

8:00 am Hotel pickup and transportation to Trotter Hall

8:15 am Executive Session and Report Preparation

11:30 am Working Lunch, Executive Session and Report Preparation

12:30 pm Exit Interview
April Mason, PhD – Provost, Kansas State University
John Floros, PhD – Dean, College of Agriculture
Peter Dorhout, PhD – Dean, College of Arts & Sciences
John Buckwalter, PhD – Dean, College of Human Ecology
Ralph Richardson, DVM – Dean, College of Veterinary Medicine
Carol Shanklin, PhD – Dean, Graduate School
Michael B. Cates, DVM, MPH – MPH Program Director

1:30 pm Team Departs

11:30 am Working Lunch, Executive Session and Report Preparation

12:30 pm Exit Interview with Provost, Program Director and Deans
LIST ATTENDEES: *Mason, Cates, Buckwalter, Dorhout, Floros, Richardson, Shanklin*

1:30 pm Team Departs

Attachment 4: Programmatic Assessment Data (for information)

MPH Graduates - Committee Assessment
S 2012 - Su 2013

Public Health Core Competencies	Percentage of Graduates with Average of 3-4 (n=40)
Biostatistics 1	50%
Biostatistics 2	65%
Environmental Health 1	65%
Environmental Health 2	67%
Environmental Health 3	69%
Epidemiology 1	53%
Epidemiology 2	73%
Epidemiology 3	75%
Health Services Administration 1	88%
Health Services Administration 2	77%
Social and Behavioral Sciences 1	85%
Social and Behavioral Sciences 2	83%
Integration	65%

MPH Graduates - Exit Survey
Percentage of Responses with Answers of 3 or 4

	Survey Questions	AY'11 (n=10)	AY'12 (n=17)	AY'13 (n=19)	Overall 3 years (n=46)
1.1.	Satisfaction with quality of "core" courses	100%	88.2%	89%	91%
1.2.	Satisfaction with quality of required courses	100%	100%	100%	100%
1.3.	Satisfaction with quality of elective courses	80%	100%	100%	96%
2.1.	MPH instruction keeping pace	80%	100%	100%	96%
2.2.	High degree of intellecctual challenge in program	80%	94%	85%	87%
2.3.	Academic standards are high	100%	94%	95%	96%
2.4.	Availability of courses	100%	94%	82%	91%
4.1.	Availability of research opportunities	83%	89%	73%	80%
4.2.	Quality of research experience	86%	100%	93%	93%
4.3.	Quality of advising for thesis research	71%	86%	67%	73%
4.4.	Value of research experience toward public health	86%	100%	92%	92%
6.1.	Availability of field experience	88%	77%	72%	77%
6.2.	Quality of field experience	86%	100%	94%	95%
6.3.	Quality of advising in field experience	71%	85%	83%	82%
6.4.	Value of field experience to career development	86%	100%	100%	97%
8.1.	Quality of academic advising	90%	94%	79%	87%
8.2.	Availability of academic advisor	80%	94%	100%	93%
8.3.	Degree to which academic advisor was helpful	70%	94%	74%	80%
8.4.	Availability of faculty members	100%	94%	100%	98%
8.5.	Approachability of faculty members	90%	100%	100%	98%
8.6.	Clarity of degree requirements	80%	94%	84%	89%
8.7.	Communication of deadlines	80%	94%	95%	93%
10.1.	Quality (Depth) of MPH Program	100%	94%	89%	93%
10.2.	Quality (Breadth) of MPH Program	80%	100%	100%	96%
10.3.	Integration of diverse perspectives in program	90%	100%	95%	96%
10.4.	Program provides adequate preparation for future	90%	100%	79%	87%

1.2.c. Data regarding the program's performance on each measurable objective described in Criterion 1.1.d. must be provided for each of the last three years.

Table 1.2.c. Outcomes - Measurable Objectives					
Goal 1: Education	**Target**	**2010**	**2011**	**2012**	**2013**
1.a. MPH specific Program Learning Objectives will be addressed by core and elective courses.	100%	100%	100%	100%	100%
1.b. MPH graduates who seek employment will be employed in a relevant field within 12 months of graduation and those that seek further education will be admitted to programs of their choice. (See Table 2.7.2.)	80%	100% (9/9)	100% (13/13)	100% (18/18)	84% (26/31)
1.c. MPH students will complete their degree requirements within 24 months of enrollment in the program which reflects the percentage of part-time students.	30%	36% (4/11)	31% (4/13)	32% (11/34)	55% (17/31)
1.d. Students satisfied or very satisfied with the quality of core courses as measured on graduate exit survey. (Q 1.1)	100%	N/A	100% (10/10)	88% (15/17)	89% (17/19)
1.e. Students satisfied or very satisfied with the quality of other courses as measured on graduate exit survey. (Q 1.2)	100%	N/A	100% (10/10)	100% (17/17)	100% (19/19)
1.f. Students felt the quality of field experience placement as measured on graduate exit survey was excellent or good as measured on graduate exit survey. (Q 6.2)	100%	N/A	86% (6/7)	100% (13/13)	94% (17/18)
1.g. Students felt the quality of field experience in their career development in public health was excellent or good as measured on graduate exit survey. (Q 6.4)	100%	N/A	86% (6/7)	100% (13/13)	100% (18/18)

Table 1.2.c. Outcomes - Measurable Objectives					
Goal 2: Research		**2010**	**2011**	**2012**	**2013**
2.a. Each academic year, primary MPH faculty will communicate public health related research to the public via scholar presentations and/or publications. (See Table 3.1.c.)	75%	100% (12/12)	100% (12/12)	86% (12/14)	TBD
2.b. Public health-related research projects will demonstrate collaboration with community-based organizations. (See Table 3.1.c.)	50%	36% (13/36)	31% (13/42)	37% (16/43)	19% (6/31)
Goal 3: Service		**2010**	**2011**	**2012**	**2013**
3.a. Faculty and/or students will actively support community workforce development education and service projects. (See Tables 3.2.2.; 3.3.1.; 3.3.2.)	15 projects	27 projects	12 projects	15 projects	3 projects
3.b. Faculty will provide public health support or assistance to Kansans and beyond. (See Table 3.2.1.)	50 activities	51 activities	64 activities	71 activities	58 activities

1.7.i. Identification of measurable objectives through which the program assess the adequacy of its resources, along with data regarding the program's performance against those measures for each of the last three years.

Table 1.7.i. Outcome Measures - Adequacy of Faculty and Staff Resources

Outcome Measure	Target	AY 2011	AY 2012	AY 2013
Student/Faculty Ratio by total Faculty FTE will be lower than 10 for each emphasis area.	≤ 10	FSB: 0.41 IDZ: 4.08 PHN: 0.86 PHPA: 4.14	FSB: 0.41 IDZ: 5.70 PHN: 1.58 PHPA: 4.51	FSB: 0.76 IDZ: 3.74 PHN: 1.70 PHPA: 3.31
Adequate capacity (seats) in all core courses each year to accommodate MPH demand.	≥ 35 seats / year / course	Did not meet	met	met
Student perception of course availability measured on graduate exit surveys (Q 2.4)	100% satisfied or very satisfied	100% (10/10)	94% (16/17)	82% (14/17)

1.8.e. Identification of measurable objectives by which the program may evaluate its success in achieving a diverse complement of faculty, staff and students, along with data regarding the performance of the program against those measures for each of the last three years

Table 1.8.1. Diversity - Summary Data for Faculty, Students and/or Staff

Category/Definition	Method of Collection	Data Source	Target	2011	2012	2013
FACULTY - Female	MPH 2012 Data Call	Self-reporting	40%	41% (24/58)	43% (24/56)	43% (24/56)
FACULTY - Non-White	MPH 2012 Data Call	Self-reporting	15%	16% (9/58)	16% (9/56)	18% (10/56
STAFF - Non-White	MPH 2012 Data Call	Self-reporting	50%	0%	0%	50% (1/2)
STUDENTS - Non-White (new and continuing)	Graduate School Application	Self-reporting	20%	18% (15/85)	20% (20/100)	17% (16/93)
STUDENTS – Males (new and continuing)	Graduate School Application	Self-reporting	25%	26% (22/85)	31% (31/100)	33% (31/93)

3.1.d. Identification of measures by which the program may evaluate the success of its research activities, along with data regarding the program's performance against those measures for each of the last three years.

Table 3.1.d. Outcome Measures - Research Activities

Goal 2: Research	Target	2010	2011	2012	2013
2.a. Each academic year, primary MPH faculty will communicate public health related research to the public via scholarly presentations and/or publications.	75%	100% (12/12)	100% (12/12)	86% (12/14)	TBD
2.b. Public health-related research projects will demonstrate collaboration with community based organizations. (See	50%	36% (13/36)	31% (13/42)	37% (16/43)	19% (6/31)

Table 3.1.c.)					

3.2.d. Identification of the measures by which the program may evaluate the success of its service efforts, along with data regarding the program's performance against hose measures for each of the last three years.

Table 3.2.d. Outcome Measures - Service Efforts					
Goal 3: Service	**Target**	**2010**	**2011**	**2012**	**2013**
3.a. Faculty and/or students will actively support community workforce development education and service projects. (See Tables 3.2.2.; 3.3.1.; 3.3.2.)	15 projects	27 projects	12 projects	15 projects	3 projects
3.b. Faculty will provide public health support or assistance to Kansans and beyond. (See Table 3.2.1.)	50 activities	51 activities	64 activities	71 activities	58 activities

4.1.d. Identification of measurable objectives by which the program assesses the qualifications of its faculty complement, along with data regarding the performance of the program against those measures for each of the last three years.

Table 4.1.d Outcome Measures - Qualifications of Faculty				
Outcome Measure	**Target**	**2011**	**2012**	**2013**
MPH interdisciplinary faculty must be approved Kansas State University Graduate Faculty.	100%	100%	100%	100%
Faculty must have degrees and/or experience related to our public health program.	100%	100%	100%	100%
Students satisfied or very satisfied with the quality of advising as measured on graduate exit survey. (Q 8.1)	100%	90% (9/10)	94% (16/17)	79% (15/19)

4.3.f. Identification of measurable objectives by which the program may evaluate its success in enrolling a qualified student body, along with data regarding the performance of the program against those measures for each of the last three years

Table 4.3.f. Outcome Measures - Enrolling Qualified Students				
Outcome Measure	**Target**	**AY 2011**	**AY 2012**	**AY 2013**
Admit students meeting or exceeding the Graduate School requirements for "full standing" and "provisional enrollment" (i.e., pending receipt of transcript showing BS degree awarded).	85%	84% (31/37)	85% (28/33)	86% (19/22)
Attract health professionals and health professional students (MD, DO, DDS, RN, DVM and DVM students).	5-8 students/year	13 students	6 students	6 students
Enroll sustainable number of qualified students as determined by the faculty in each emphasis area.	25-35 students/year	37 students	33 students	22 students

GRE Program History

Information on Admissions of MPH degree students (as of February 1, 2013)

Emphasis Area	Applications	GRE Waived	
FSB	12	2	17%
IDZ	120	30	25%
PHN	24	4	17%
PHPA	24	3	13%
All MPH	180	39	22%

Status of Student	Applications	GRE Waived	
Graduate	75	16	21%
Active	94	21	22%
Inactive	11	2	18%

Emphasis Area	GRE (V + Q) (Old Scale)		GRE Verbal (Old Scale)		GRE Quantitative (Old Scale)		Entrance GPA	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean
FSB	870 - 1260	1020	270 - 590	418	430 - 730	602	2.6 - 4.0	3.27
IDZ	630 - 1370	1065	230 - 730	467	310 -740	598	2.3 - 4.0	3.35
PHN	610 - 1440	1084	300 - 710	484	310 -770	600	2.69 - 4.0	3.41
PHPA	840 - 1240	997	350 - 520	438	390 -720	559	2.3 - 4.0	3.25
All MPH	610 - 1440	1054	230 - 730	461	310 - 770	593	2.3 - 4.0	3.33
Graduates	700 - 1360	1054	270 - 730	457	380 -770	597	2.3 - 4.0	3.3
Active	610 - 1440	1054	230 - 710	465	310 -740	588	2.3 - 4.0	3.36
Inactive	870 - 1360	1064	370 - 610	461	470 -750	603	2.8 - 3.95	3.3

From Testing Agency - Conversion Chart

GRE Scores	% Rank	Old Scale	New Scale
Verbal	99	800	170
	89	640	162
	80	590	159
	69	540	156
	57	500	153
	49	470	151
	40	440	149
	32	410	147
	21	370	144
	10	320	140

	1	240	131
Quantitative	94	800	166
	90	790	164
	81	760	160
	71	730	157
	60	690	154
	48	650	151
	39	620	149
	27	560	146
	20	520	144
	11	450	141
	5	370	138
	1	270	134

Attachment 2. Review field experience report requirements for students completing a thesis and/or master's report from MPH Graduate Handbook

12.11 Culminating Experience Requirements and Guidelines

A culminating experience is one that requires a student to synthesize and integrate knowledge acquired in coursework and other learning experiences and to apply theory and principles in a situation that approximates some aspect of profession practice. It must be used as a means by which faculty judge whether the student has mastered the body of knowledge and can demonstrate proficiency in the required competencies.

All MPH degree students at Kansas State University must complete a culminating experience, chosen from three main possibilities with the assistance and advice of their major professor, supervisory committee members and the MPH Program Director. The options available are explained below:

12.11.1.1 Field Experience and Capstone Project Presentation and Oral Defense

In this option, during the final semester, the student presents oral and written reports from the field experience and associated capstone project to his/her graduate supervisory committee members and other invited guests. The supervisory committee members will assess required knowledge and competencies during and after the presentation.

12.11.1.2 Public Health Research Thesis Presentation with Oral Defense

In this option, during the final semester, the student presents an oral report and written thesis from their original research investigation of a public health problem or topic to his/her graduate supervisory committee members and other invited guests. ***In addition, the student must complete a written field experience report.*** Depending on the expectations of the supervisory committee, the student's oral presentation may include details related to both the thesis research and their field experience at the same time. The supervisory committee members will assess required knowledge and competencies during and after the presentation.

12.11.1.3 Master's Report Presentation and Oral Defense

In this option, during the final semester, the student presents oral and written reports related to their individual work on a public health-related topic in addition to an oral and written reports about their field experience, to his/her graduate supervisory committee members

and other invited guests. The supervisory committee members will assess knowledge and competencies during and after the presentation.

12.12 Written and Oral Report Guidelines

The written and oral reports provided in a student's culminating experience should address how each of the MPH core competencies and emphasis area competencies were used or met in the culminating/capstone experience. All reports should be submitted to the major advisor and graduate supervisory committee, and the MPH Program director.

12.12.1 Field Experience Report

Each student will provide an oral and a written report for each field experience, and the format is at the discretion of the supervisory committee. If a capstone project is included as part of the field experience, the written and oral reports for that project may be combined with the field experience report.

For those students completing a thesis or Master's Report separate from the field experience, there must be a separate field experience report, although the oral reports may be combined at the discretion of the supervisory committee.

Once the product is presented as an oral presentation and in its final form with all the changes requested by the student's graduate committee, an electronic copy of the field experience report (preferable in Word) and slide presentation (preferable in PowerPoint) should be given to the MPH Program office. The program office will be responsible to place a copy of the report and slides in the MPH section of e-repository (K-Rex).

12.12.2 Thesis

A thesis must meet all formatting and submission guidelines of the university and Graduate School. In addition, a separate written field experience report must be submitted, meeting program guidelines of 12.12.1.; however, at the discretion of the supervisory committee, the oral reports may combine aspects of both the thesis and the field experience.

12.12.3 Master's Report

A Master's Report must meet all formatting and submission guidelines of the university and Graduate School. In addition, a separate written field experience report must be submitted, meeting program guidelines of 12.12.1.; however, at the discretion of the supervisory committee, the oral reports may combine aspects of both the Master's Report and the field experience.

Bottom line: the oral and written report requirements for the field experience are separate from and in addition to the requirements of the thesis, but the presentations can be combined in some way, according to what each supervisory committee wants. Once the committee approves of everything, we would like to post the reports from the field experience, and of course, the Grad School gets the thesis.