

Catherine K. Brinkley, VMD, PhD, MS

Rm 2333, Hart Hall, 1 Shields Ave, Davis, CA

ckbrinkley@ucdavis.edu

Education

- 2007-2015 Veterinary Medical Degree, University of Pennsylvania
Studies focus on Public Health from a One Health, Place-based perspective
- 2013 Ph.D., City and Regional Planning, University of Pennsylvania
Dissertation: Fringe Benefits: mapping Philadelphia's farmland and regional food sales, using spatial multivariate regression, GIS, and social network mapping in GEPHI.
Committee: Dr. Thomas Daniels (chair), Dr. Eugenie Birch and Dr. David Galligan
- 2007 M.S., Virology, Göteborg University, Sweden
Ecological research on emerging zoonotic disease.
- 2004 B.A. Biology and Russian Area Studies, Wellesley College
Magna cum Laude, Phi Beta Kappa.

Awards and Fellowships

- 2015 Journal of Planning History best article published honorable mention for "The Hidden History of Food System Planning."
- 2014 American Veterinary Medical Association (AVMA), Policy Advocacy Internship on Capitol Hill (February)
- 2013 The American Collegiate Schools of Planning (ACSP) award for the doctoral workshop and international Planning conference in Dublin, Ireland.
- 2009 Inspiration Award for One Health work bridging spatial design and public health, largest monetary award in the veterinary profession (\$100,000)
- 2006 Fulbright Fellowship to Sweden
- 2004 Watson Fellowship for the study of zoo design and conservation in South Africa, Sweden, Madagascar, Ukraine, Denmark, Singapore and China

Peer-Reviewed Journal Articles

10. Brinkley, C. (2014). Decoupled: successful planning policies in countries that have reduced per capita greenhouse gas emissions with continued economic growth. *Environment and Planning C: Government and Policy* 32(6): 1083-1099.
9. Vitiello, D and Brinkley, C (2014). "Hidden History of Food System Planning" *Journal of Planning History*. 13(2): 91-112.
8. Brinkley, C and Vitiello, D (2014). From Farm to Nuisance: Animal Agriculture and the Rise of Planning Regulation, *Journal of Planning History*. 13(2): 113-135.
7. Brinkley, C, Chrisinger, B, and Hillier, A. (2013). Tradition of Healthy Food Access in Low-income Neighborhoods: Price and Variety of Produce Vending Compared to Conventional Retail, *Journal of Agriculture Food Systems and Community Development*. 41(11): 155-169.
6. Brinkley, C. (2013): Avenues into Food Planning: A Review of Scholarly Food System Research, *International Planning Studies*. 18(2): 243-266.
5. Brinkley, C., Birch, E., & Keating, A. (2013). Feeding cities: Charting a research and practice agenda toward food security. *Journal of Agriculture, Planning, Food Systems and Community Development*. 34(8): 81-87.
4. Brinkley, C. (2012). Evaluating the Benefits of Peri-Urban Agriculture. *Journal of Planning Literature*. 27(3). 259-269.
3. Brisson, D., Brinkley, C., Humphrey, P. T., Kemps, B. D., & Ostfeld, R. S. (2011). It takes a community to raise the prevalence of a zoonotic pathogen. *Interdisciplinary Perspectives on Infectious Diseases*, 2011. 6p.
2. Brinkley, C., Nolskog, P., Golovljova, I., Lundkvist, Å., & Bergström, T. (2008). Tick-borne encephalitis virus natural foci emerge in western Sweden. *International Journal of Medical Microbiology*, 298: 73-80.
1. Brinkley, C. K., Kolodny, N. H., Kohler, S. J., Sandeman, D. C., & Beltz, B. S. (2005). Magnetic resonance imaging at 9.4 T as a tool for studying neural anatomy in non-vertebrates. *Journal of Neuroscience Methods*, 146(1): 124-132.

Book Chapters and Invited Publications

Horst, M; Brinkley, C; Martin, K. *in press* "SUB-Urban Agriculture Across the Country" in *Cities of Farmers: Problems, Possibilities and Processes of Producing Food in Cities* Ed. Alfonso Morales

Reports

World Livestock 2012: Livestock in Food Security. (2011). Rome: Food and Agriculture Organization of the United Nations. <http://www.fao.org/docrep/014/i2373e/i2373e00.htm>

Book Review

Brinkley, C. (January 01, 2011). Book Review: Sustainability Unpacked: Food, Energy and Water for Resilient Environments and Societies. *Journal of Planning Education and Research*, 31, 4, 473-475.

Editorial and Grant Peer Review

2013-2015t Editor Today's Veterinary Practice
Edited and managed peer-review process. Conducted interviews for the back-page. Example: interview with Dr. Melinda Merck on formulating an animal abuse protocol: www.todaysveterinarypractice.com/mags/1307/T1307C09.pdf

Peer-Review: Journal of Planning History; Land Use Policy; Journal of Planning, Education and Research; Environmental Practice; Health & Place; Urban Studies; Journal of Rural Studies; Journal of the American Planning Association; International Planning Studies

Grant Panel Reviewer: National Institute of Food and Agriculture, USDA

Teaching

2015 Adjunct Assistant Professor, Department of Environmental and Occupational Health Sciences, University of North Texas. Courses Taught: "Global Food Security and Sustainability" online for Masters in Public Health program.

2013 Teaching Assistant, Environmental Planning, Department of city and Regional Planning, University of Pennsylvania

2012 Teaching Assistant Urban and Metropolitan Food Systems, Department of City and Regional Planning, University of Pennsylvania

2011 Teaching Assistant, Planning Theory, Department of City and Regional Planning, University of Pennsylvania

2009 Teaching Assistant, Veterinary Histology, University of Pennsylvania, School of Veterinary Medicine

Conference Presentations (peer-reviewed)

Decoupling economics from GHG emission reductions. Association of Collegiate Schools of Planning (ACSP). Houston, TX, October 2015.

The Star-Shaped City; Sustainable Urban Development. Association of Collegiate Schools of Planning (ACSP), Philadelphia, PA, October 2014

City Shape and Patterns of Food Sales, Association of European Schools of Planning (AESOP-ACSP), Dublin, Ireland, July 2013

Animal Agriculture and the Birth of City Planning Regulation, Society for American Regional Planning History (SACRPH), Baltimore, MD, November 2013

Planning for Animal Agriculture in Cities, Society for Ethics In Food, Lund, Sweden, August 2012

The History of Food Planning in North America, Association for the Study of Food and Society. (ASFS), New York, NY, July 2012

Mobile Produce Vending to Improve Health in Low-income Neighborhoods, Urban Affairs Association Conference, San Francisco, CA, November 2012

Benefits of Peri-urban Agriculture, World Planning Congress, Perth, Australia, August 2011

Maximizing Peri-urban Potential through Planning, Association of Collegiate Schools of Planning (ACSP), Salt Lake City, December 2011

Best Practices for Urban Sustainability, panel, Association of Collegiate Schools of Planning (ACSP), Minneapolis, MN, October, 2010

Sustainability Indicators of City Health, World Urban Forum (WUF), Rio de Janeiro, Brazil, January 2010

Invited Lectures and Panel Presentations

Animals and Food Supply in the Early American City, Rutgers University, October 2014

The Birth of Planning and the Regulation of Animals, City and Metropolitan Food Systems course, City & Regional Planning, University of Pennsylvania, January 2014

Fringe Benefits: Urban Morphology's Influence on Food Sale Patterns, Urban Research Institute, University of Pennsylvania, December 2013

A New Market: Curbside Produce Vending in West Philadelphia, Philadelphia Wholesale Produce Market, December 2013

A Model for Getting Fresh Produce to Low-Income Neighborhoods, Philadelphia Public Health Board, Philadelphia, PA, December 2013

Sustainable Produce Vending in West Philadelphia, Geography and Public Health course, City & Regional Planning, University of Pennsylvania, January 2013

Farmland Amenities and Conservation Easements, Environmental Planning Course, City & Regional Planning, University of Pennsylvania, December 2012

Regulating Animals out of Philadelphia from 1600-present day, Philadelphia Society for the Promotion of Agriculture, Philadelphia, PA, November 2012

Introduction to Global Health, University of Pennsylvania, School of Veterinary Medicine, October 2012

Designing for Animals: Zoo Enclosures and Farmland Planning, University of Maryland, 2011 and 2009

Keynote Lecture on Zoo Design Across the World, Swedish Aquaria and Zoo Association, 2006

Professional Service

2014 Member of the host organizing committee for that Association for the Collegiate Schools of Planning (ACSP) in Philadelphia, PA. Researched conference venue, format of dissertation workshops, and mobile tours.

2014 Initiator and Organizer of the Philadelphia Animal Welfare Working Group, which convenes animal shelter executive directors and expert veterinarians to explore legislative initiatives and foster synergies with research.

2013-4 Conference Organizer for Waste: The Last Food Mile to be held October, 2014
Participated in writing the winning USDA grant, conference panel design, invitations for speakers, and outreach for regional community engagement.

2013-present Conference Organizer for Feeding Cities
Working with six schools at the University of Pennsylvania, I organized the Feeding Cities conference (www.feedingcities.com) on Food Security, drawing from my professional network to invite over 150 expert panelists and 400 attendees. Conference follow-up included writing a white paper and practice agenda (Brinkley, Keating and Birch, 2013) and assessing the need for a Masters-level Food Security Program at the University of Pennsylvania through faculty surveys and international comparison of similar offerings at other institutions. I participated in writing and editing an NIH grant to create a Food Security Research Hub.

- 2011 Subject Expert for Food Agriculture Organization (FAO) of the United Nations
I reviewed historic and current city ordinances to advise on animal agriculture regulations and food waste processing in low-income countries.
- 2010 Advisor to the United Nations through the Institute for Urban Research on creating the Sustainable Cities platform. Participated in workshops in Nairobi, Kenya and Rio de Janeiro, Brazil, planning conference calls, and authored a guiding white paper:
<http://sustainabledevelopment.un.org/index.php?menu=1510>
- 2009 Dairy Consult in China, as part of a University of Pennsylvania consulting and education team, we visited and advised on the location, design, maintenance, and economics of veterinary teaching hospitals, slaughter-houses and dairy operations throughout China with the aim of improving milk output.
- 2007 Founder of One Health, a joint student club to foster dialog across all medical professional schools at the University of Pennsylvania, the first in the country. Organized a panel on Antibiotic Use in Food Animals (September 2008).

Professional Memberships

American Veterinary Medical Association
American Planning Association
Philadelphia Society for Promoting Agriculture

Media Appearances

Brinkley's research has been covered in *The Pennsylvania Gazette*, *Axis Philly*, *Wellesley Magazine*, the American Veterinary Medical Association's *Vet Gazette*, *Hidden City Philadelphia*, *The Notebook* and *Generocity* magazine.

References available upon request.