Ian Brooks, Ph.D.

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Education

University of York, England	B.Sc.	Biophysics	1987
Cornell University	M.S.	Applied and Engineering Physics	1990
Bryn Mawr College	Ph.D.	Biochemistry	1996

Professional Experience

2013 – Present	Research Scientist – Graduate School of Library and Information Science, University of Illinois
2011 – Present	Adjunct Professor – College of Nursing, University of Saskatchewan
2005 – Present	Founding Director Health Sciences Group – National Center for Supercomputing Applications (NCSA), University of Illinois
2007 – 2010	Co-Director/Associate Director, Biomedical Informatics Core – Center for Clinical and Translational Sciences/University of Illinois at Chicago
2002 – 2005	High Performance Computing Consultant – NCSA
1997 – 2002	Life Sciences and Statistics Technical Lead – Wolfram Research, Inc.
1991 – 1996	Scientist, Macromolecular Sciences – SmithKline Beecham
1989 – 1991	Associate Scientist, Macromolecular Sciences – SmithKline Beecham

Service and Awards

2012 – Present	Pan-American Health Organization Advisory Committee on eHealth
2009 – Present	CDC – High Performance Computing External Advisory Committee
2008 – Present	International Society for Disease Surveillance – Research Committee
2014	NSF Panel – Information and Intelligent Systems Division
2011	NIAID/NIH Special Emphasis Panel – Tropical Medicine Research
2010	NIAID/NIH Special Emphasis Panel – Malaria Research
2009	NIH Challenge Grant Reviewer
2009	CII Fellow – Graduate School of Library and Information Science
2008	PTA District 10 Distinguished Service Award (for services to K-8 education)
2002-2005	Member National Computational Science Alliance Education Committee
1991	Macromolecular Sciences Impact Award

Publications

Book Chapters

1. R. J. Novak, P. Burgess, and **I. Brooks**, "Integrated Malaria Management," in *Vector Biology, Ecology and Control*, P. W. Atkinson, Ed. Dordrecht: Springer Netherlands, 2010, pp. 221-258.

2. **I. Brooks** ANOVA in *Mathematica 4.2 Standard Add-ons Guide* Wolfram Research, 2002

3. M. L. Doyle, M. Brigham-Burke, M. N. Blackburn, **I. Brooks**, T. M. Smith, R. Newman, M. Reff, W. F. Stafford III, R. W. Sweet, A. Truneh, P. Hensley, and D. J. O'Shannessy, "Measurement of Protein Interaction Bioenergetics: Application to Structural Variants of anti-sCD4 Antibody," *Methods in Enzymology*, vol. 323, pp. 207-230, 2000.

4. D. J. O'Shannessy, M. Brigham-Burke, K. K. Soneson, P. Hensley, and **I. Brooks**, "Determination of Rate and Equilibrium Binding Constants for Macromolecular Interactions by Surface Plasmon Resonance," *Methods in Enzymology*, vol. 240, pp. 323-349, 1994.

5. **I. Brooks**, R. Wetzel, W. Chan, G. Lee, D. Watts, K. Soneson, and P. Hensley, "Association of REI Immunoglobulin Light Chain VL Domains : The Functional Linearity of Parameters in Equilibrium Analytical Ultracentrifuge Models for Self-associating System," in *Modern Analytical Ultracentrifugation: Acquisition and Interpretation of Data for Biological and Synthetic Polymer Systems (Emerging Biochemical & Biophysical Techniques) Edited by Todd Schuster and Thomas Laue*, Birkhauser Verlag AG, 1994, pp. 15-35.

6. **I. Brooks**, D. G. Watts, K. K. Soneson, and P. Hensley, "Determining Confidence Intervals for Parameters Derived from Analysis of Equilibrium Analytical Ultracentrifugation Data," *Methods in Enzymology*, vol. 240, pp. 459-478, 1994.

Journal Articles

1. S. Belknap, H. Moore, S. Lanzotti, P. Yarnold, M. Getz, D. Deitrick, A. Peterson, J. Akeson, T. Maurer, R. Soltysik, G. Storm, and **I. Brooks**, "Application of Software Design Principles and Debugging Methods to an Analgesia Prescription Reduces Risk of Severe Injury from Medical Use of Opioids," *Clinical Pharmacology & Therapeutics*, vol. 84, pp. 385-392, Mar. 2008.

2. L. Valenta, **I. Brooks**, R. A. Laureto, and A. Ramaprasad, "Breaking the Silo. Using Informatics to Support Clinical and Translational Science," *Journal of Healthcare Information Management: JHIM*, vol. 21, no. 4, pp. 15-17, 2007.

3. W. Chan, L. R. Helms, **I. Brooks**, G. Lee, S. Ngola, D. McNulty, B. Maleeff, P. Hensley, and R. Wetzel, "Mutational Effects on Inclusion Body Formation in the Periplasmic Expression of the Immunoglobulin VL Domain REI," *Folding & Design*, vol. 1, no. 2, pp. 77-89, 1996.

4. S. D. Burrows, S. G. Franklin, M. R. Brigham-Burke, **I. Brooks**, D. E. McNulty, J. A. Feild, K. R. Anumula, and D. J. O'Shannessy, "Biological and Biophysical Characterization of Recombinant Soluble Human E-selectin Purified at Large Scale by Reversed-phase High-performance Liquid Chromatography," *Journal of Chromatography. B, Biomedical Applications*, vol. 668, no. 2, pp. 219-231, June 1995.

5. Johanson, E. Appelbaum, M. Doyle, P. Hensley, B. Zhao, S. S. Abdel-Meguid, P. Young, R. Cook, S. Carr, R. Matico, D. Cusimano, E. Dul, M. Angelichio, **I. Brooks**, E. Winborne, P. McDonnell, T. Morton, D. Bennett, T. Sokoloski, D. McNulty, et al., "Binding Interactions of Human Interleukin 5 with Its Receptor α Subunit," *Journal of Biological Chemistry*, vol. 270, no. 16, pp. 9459 -9471, Apr. 1995.

6. P. Digard, K. P. Williams, P. Hensley, **I. Brooks**, C. E. Dahl, and D. M. Coen, "Specific Inhibition of Herpes Simplex Virus DNA Polymerase by Helical Peptides Corresponding to the Subunit Interface," *Proceedings of the National Academy of Sciences of the United States of America*, vol. 92, no. 5, pp. 1456-1460, Feb. 1995.

7. S. D. Burrows, M. L. Doyle, K. P. Murphy, S. G. Franklin, J. R. White, **I. Brooks**, D. E. McNulty, M. O. Scott, J. R. Knutson, and D. Porter, "Determination of the Monomer-dimer Equilibrium of Interleukin-8 Reveals It Is a Monomer at Physiological Concentrations," *Biochemistry*, vol. 33, no. 43, pp. 12741-12745, Nov. 1994.

8. P. Hensley, P. J. McDevitt, **I. Brooks**, J. J. Trill, J. A. Feild, D. E. McNulty, J. R. Connor, D. E. Griswold, N. V. Kumar, and K. D. Kopple, "The Soluble Form of E-selectin Is an Asymmetric Monomer. Expression, Purification, and Characterization of the Recombinant Protein," *The Journal of Biological Chemistry*, vol. 269, no. 39, pp. 23949-23958, Sep. 1994.

9. D. J. O'Shannessy, M. Brigham-Burke, K. K. Soneson, P. Hensley, and **I. Brooks**, "Determination of Rate and Equilibrium Binding Constants for Macromolecular Interactions Using Surface Plasmon Resonance: Use of Nonlinear Least Squares Analysis Methods," *Analytical Biochemistry*, vol. 212, no. 2, pp. 457-468, Aug. 1993.

10. **I. Brooks**, K. K. Soneson, and P. Hensley, "Development and Use of a Mac-based Data-analysis Package for Equilibrium Sedimentation Data from the Analytical Ultracentrifuge," *Biophysical journal*, vol. 64, no. 2, p. A244, 1993.

11. S. K. Grant, I. C. Deckman, J. S. Culp, M. D. Minnich, **I. Brooks**, P. Hensley, C. Debouck, and T. D. Meek, "Use of Protein Unfolding Studies to Determine the Conformational and Dimeric Stabilities of HIV-1 and SIV Proteases," *Biochemistry*, vol. 31, no. 39, pp. 9491-9501, Oct. 1992.

12. **I. Brooks** and K. Moffat, "Laue Diffraction from Protein Crystals Using a Sealed-tube X-ray Source," *Journal of Applied Crystallography*, vol. 24, pp. 146-148, Apr. 1991.

Conference Proceedings

1. P. L. Petrucka, S. Bassendowski, H. Roberts, **I. Brooks**, and G. Daniel, "From Improbable to Inevitable: Dispelling the Myths of mHealth," in *Proceedings of the 2nd International conference on M4D Mobile Communication Technology for Development M4D 2010*, Kampala, Uganda, 2010, pp. 319-323.

2. W. Edwards, A. Vaid, and **I. Brooks**, "INDICATOR: An Open-source Cyberenvironment for Biosurveillance," in *Defining Crisis Management 3.0*, Seattle, WA, 2010.

3. Ramaprasad, A. L. Valenta, and **I. Brooks**, "Clinical and Translational Science Informatics: Translating Information to Transform Health Care," in *Proceedings of HEALTHINF 2009 - Second International Conference on Health Informatics, L. Azevedo & A. R. Londral, eds.*, Porto, Portugal, 2009, pp. 135-141.

4. Ramaprasad, A. L. Valenta, and **I. Brooks**, "Clinical and Translational Science Informatics Infrastructure: A Framework and Case Study," in *Proceedings of HEALTHINF – First International Conference on Health*, Madeira, Portugal, 2008, pp. 213-218.

5. Ramaprasad, A. L. Valenta, and **I. Brooks**, "Biomedical Informatics Infrastructure," in *Proceedings of the International Symposium on Information Systems*, Hyderabad, India, 2007.

6. **I. Brooks** and W. Edwards, "INDICATOR: A Comprehensive Cyberenvironment for Infectious Disease Surveillance, Modeling, and Response," in *Kuhn, Klaus A (Editor); Warren, James R (Editor); Leong, Tze-Yun (Editor). Medinfo 2007: Proceedings of the 12th World Congress on Health (Medical) Informatics; Building Sustainable Health Systems.*, Brisbane, Australia, 2007, pp. 2454-2458.

Invited Presentations and Editorials

1. **I. Brooks**, "INDICATOR: One Health Monitoring" *Carle One Health Symposium*, Urbana, IL, Feb. 2014

2. **I. Brooks**, "INDICATOR: Integrating Common Data Sources for Community Health Monitoring" *Share the Vision 2013*, Champaign, IL, Oct. 2013

3. **I. Brooks**, "Insect Bytes: Using Computers to Support Vector Control" *Sixth International Society for Vector Ecology Congress*, La Quinta, CA, Sep. 2013

4. **I. Brooks**, "INDICATOR: From Disease Surveillance to One Health Monitoring" *One Health Summit*, Champaign, IL, Aug. 2013

5. **I. Brooks,** "Ripples in the Blue Waters: Harnessing Supercomputers for Public Health" Guest Editorial, Pan-American Health Organization eHealth Newsletter. vol 2, no 7 pp 1, Jul 2013

6. **I. Brooks**, "An Overview of the US National Center for Supercomputing Applications" *BIREME*, São Paulo, Brazil, Jun. 2013.

7. **I. Brooks**, "Mosquito Bytes and Flu Bugs: Supercomputers for Health" Bioinformatics Seminar, *Centers for Disease Control and Prevention*, Atlanta GA, Apr 2013

8. **I. Brooks**, "Experiences with INDICATOR: A Platform for Multi-source Monitoring, Modeling, and Responding to Changes in the Health of a Community" *CODATA 12*, Taipei, Taiwan, Oct. 2012.

9. **I. Brooks**, "Using Computers to Help Control Vector Borne Diseases" *Lincoln Park Zoo*, Chicago, Oct. 2011.

10. **I. Brooks**, "A Cyberenvironment for Endemic Disease Control" *American Medical Informatics Association*, Washington D.C., Oct. 2011.

11. **I. Brooks**, "Combined Human and Animal Disease Surveillance" *Tools for Integrated One Health Surveillance*, Urbana, IL, Aug. 2011.

12. **I. Brooks**, "Using Information to Help Control Endemic Disease" *Public Health Summit*, Champaign, IL, Jul. 2011.

13. **I. Brooks**, "Biomedical and Health Informatics at the U.S. National Center for Supercomputing Applications" *Shanghai Institute of Biological Sciences*, Shanghai, China, Jun. 2011.

14. **I. Brooks**, "Advanced Information Systems: Bringing Multi-disciplinary Science into Focus" *International Development Research Center*, Ottawa, Canada, Sep. 2010.

15. **I. Brooks**, "INDICATOR: An Advanced Information System for Infectious Disease Surveillance, Modeling, and Response." *IPHA Illinois Public Health Emergency Preparedness Summit: From Preparedness to Recovery: Collaborating for Resiliency*, Oak Brook, IL, Jun. 2010.

16. **I. Brooks**, "Advanced Information Systems in Public Health" *China CDC*, Beijing, China, Oct. 2010.

17. **I. Brooks**, "Computing, Data, and Advanced Information Systems for Healthcare" *ENACQKT: Enhancing Nurses Access for Care Quality and Knowledge through Technology*, St. Lucia, Apr. 2010.

18. **I. Brooks**, "INDICATOR update" *93rd Annual Fall Conference for Veterinarians*, Champaign, Sep. 2012.

19. **I. Brooks**, "An Advanced Information System for Disease Management" *TEPHINET 5 Workshop on Epidemiological Modeling*, San José, Costa Rica, Nov. 2009.

20. **I. Brooks**, "Cyberenvironments" *Veterans Administration Information Resource Center*, Chicago, IL, Oct. 2009.

21. **I. Brooks**, "INDICATOR: An Advanced Information System for Infectious Disease Surveillance, Modeling, and Response" *Second Annual Champaign County Preparedness Summit*, Champaign, IL, Sep. 2009.

22. **I. Brooks**, "An Advanced Information System for Disease Management." *Centre for Infectious Disease Research in Zambia*, Lusaka, Zambia, Aug. 2009.

23. **I. Brooks**, "Computing, Data, and Advanced Information Systems for Biomedical Sciences" *Communicable Diseases in Latin America and the Caribbean (CD LAC) Workshop II*, Lima, Peru, Aug. 2009.

24. **I. Brooks**, "Computing, Data, and Advanced Information Systems for the 21st Century" *Costa Rica Social Security Administration*, San José, Costa Rica, Aug. 2009.

25. W. Edwards and **I. Brooks**, "Cyberinfrastructure R&D for Infectious Disease Research at NCSA" *IDRiC*, Daejeon, South Korea, Mar. 2009.

26. **I. Brooks**, "A Cyberenvironment for Endemic Disease Informatics" *American Society for Tropical Medicine and Hygiene*, New Orleans, LA, Dec. 2008.

27. **I. Brooks**, "Endemic Disease Control" *ARCTA 2008*, Petropolis, Brazil, Aug. 2008.

28. **I. Brooks**, "Scientific Collaboratories" *US-China Workshop on Tobacco Control*, Beijing, China, Mar. 2008.

29. **I. Brooks**, "Medical and Petascale Computing at NCSA" *iBio*, Urbana, IL, Nov. 2007.

30. **I. Brooks**, "A Package for Experimental Data Analysis with Mathematica" *Joint Statistics Meeting*, Indianapolis, IN, Aug. 2000.

31. **I. Brooks**, "Mathematica in the Life Sciences" *World Congress on Medical Physics and Biomedical Engineering*, Chicago, IL, Aug. 2000.

32. **I. Brooks**, "A Mac-based Data Analysis Package for Sedimentation Equilibrium Data" *Beckman Instruments*, Palo Alto, CA, Feb. 1991.

Peer Reviewed Abstracts

1. **I. Brooks**, B. A'cs, and M. Felarca**, "**Refactoring INDICATOR into an Advanced Information System for One Health Monitoring**"** *Online Journal of Public Health Informatics,* vol. 1, no. 2 2013

2. **I. Brooks**, A. Vaid, and W. Edwards, "Analysis of 5 Years of Multistream Surveillance and Weather Data in Champaign County" *Emerging Health Threats Journal*, 4 Dec. 2011 <doi:10.3402/ehtj.v4i0.11196>

3. A. Wadsworth, W. Edwards, A. Vaid, and **I. Brooks**, "User Interface Design for a Biosurveillance System" *Emerging Health Threats Journal*, 4 Dec. 2011 <doi:10.3402/ehtj.v4i0.11140>.

4. W. Edwards, A. Vaid, and **I. Brooks**, "Applying Classification and Anomaly Detection Techniques to Real-world Data" *Emerging Health Threats Journal*, vol. 4, pp. 77-78, 2011.

Other Presentations

1. C. Komisarz and **I. Brooks** "An Exploration of the H1N1 Outbreak in Champaign-Urbana Elementary Schools during the 2009-2010 Influenza Season" *Public Engagement Symposium,* Champaign, IL Mar. 2014

2. **I. Brooks**, W. Edwards, S. Rao, M. Vaughan, B. A'cs, and M. Felarca, "INDICATOR: One Health surveillance using primary and secondary data" *IMED*, Vienna, Austria, Feb. 2013

3. **I. Brooks**, "INDICATOR: An Advanced Information System for Infectious Disease Surveillance, Modeling, and Response" *CDC Delivery of Essential Healthcare Services*, Atlanta, GA, Mar. 2010.

4. **I. Brooks**, "Hemispheric Health and Biosciences" *ARTCA: Advanced Research and Technology Collaboratory for the Americas*, Washington D.C., Mar. 2010.

5. **I. Brooks**, A. Vaid, and W. Edwards, "INDICATOR: A Cyberenvironment for Biosurveillance" *Syndromic '09*, Miami, FL, Dec. 2009.

6. **I. Brooks** and A. Ramaprasad, "Ontology of a Cyberenvironment for Malaria Surveillance" *Syndromic '08*, Raleigh, NC, Dec. 2008.

7. **I. Brooks** and W. Edwards, "INDICATOR: A Cyberenvironment for Biosurveillance, Modeling, and Response" *Syndromic '08*, Raleigh, NC, Dec. 2008.

8. **I. Brooks**, "The Health Sciences at NCSA" *Supercomputing'08 Workshop: Supercomputing, Multicore Architectures, and Biomedical Informatics*, Austin, TX, Nov. 2008.

9. **I. Brooks**, "Malaria Map" *Centers for Disease Control and Prevention*, Atlanta, GA, Jun. 2008.

10. S. White, N. Armstrong, **I. Brooks**, H. Li, A. Shillingford, and J. Zarutskie, "The Binding of Yeast Ribosomal Protein L32 to the L32 RNA Transcript: The Importance of a G:U Pair and Protein Stabilization on RNA Binding" *RNA Society*, Madison, WI, 1996.

11. **I. Brooks**, K. Soneson, and P. Hensley, "Development and Use of a Mac-based Data Analysis Package for Equilibrium Sedimentation Data from the Analytical Ultracentrifuge" *Scientific and Engineering Applications of the Macintosh*, Boston, MA, 1993.

12. P. Hensley, P. McDevitt, **I. Brooks**, J. Trill, J. Feild, V. Kumar, K. Kopple, B. Dalton, and K. Johanson, "Purification and Characterization of a Soluble, CHO-expressed, Form of E-Selectin" *37th Annual Meeting of the Biophysical Society*, Washington D.C., 1993.

13. **I. Brooks**, K. Soneson, and P. Hensley, "Acquisition and Numerical Analysis of Analytical Ultracentrifuge Data Using a MAC IIfx-based System" *37th Annual Meeting of the Biophysical Society*, Washington D.C., 1993.

14. S. Rose, **I. Brooks**, M. Minnich, C. Debouck, and P. Hensley, "Analysis of the Self-association of HIV-1 P24 Gag Capsid Protein by Analytical Ultracentrifugation" *Fifth Symposium of the Protein Society*, Baltimore, MD, 1991.

15. S. Grant, I. Deckman, **I. Brooks**, B. Metcalf, T. Meek, C. Debouck, and P. Hensley, "Conformational Stability and Subunit Interactions of Recombinant HIV Type-1 and Simian Immunodeficiency Virus Proteases" *Fifth Symposium of the Protein Society*, Baltimore, MD, 1991.

16. **I. Brooks**, R. Sweet, J. Culp, B. Hellmig, T. Porter, and P. Hensley, "Solution Structure and Interactions of Soluble CD4, and V1V2 Subdomains of CD4 and HIV Gp120" *The fourth meeting of groups studying the structure of AIDS-related systems and their application to targeted drug design*, Bethesda, MD: NIH, 1990.

17. D. Bilderback, B. Blank, **I. Brooks**, Y. Chen, S. Choe, A. LeGrand, K. Moffat, W. Schildkamp, M. Szebenyi, B. Smith Temple, T.-Y. Teng, and S. Wischusen, "100 PS X-Ray Diffraction Patterns from Single Crystals Using the CHESS/Argonne Undulator" *Second Annual CHESS Users Group Meeting*, Ithaca, NY, 1988.

Production Software

1. CDC Malaria Map. NCSA 2009. http://cdc-malaria.ncsa.uiuc.edu

2. INDICATOR: A cyberinfrastructure for infectious disease surveillance, modeling, and response. NCSA 2008.

3. ANOVA. Wolfram Research 2002.

Selected Courses/Workshops Organized and Taught

1. Transition Workshop from the SGI Origin 2000 to the IBM p690, June & September 2003.

2. Introduction to MPI: Section of Linux Cluster Institute Workshop, March 2003.

3. Introduction to High Performance Computing, October 2002.
(NCSA courses are taught to both a local audience and a worldwide audience over the Access Grid.)

4. Wrote *Parallel Computing Explained* online course: http://www.citutor.org/bounce.php?course=45

5. Co-authored and managed multi-university development of *Parallel Numerical Libraries* online course: http://www.citutor.org/bounce.php?course=27

6. Co-authored *Debugging Serial and Parallel Codes*: http://www.citutor.org/bounce.php?course=23

(These courses have been taken online by ~ 5,000 students and have been used offline as the basis of university classes.)

Grants Received

Use of INDICATOR data to improve business practices of Carle Foundation.
Funding Agency: HITC Fellowship
Principal Investigator: Ian Brooks
Total: $10,000
Period: May 2014 – December 2014

Continued Development of INDICATOR for Disease Surveillance
Funding Agency: Carle Foundation/CDC
Principal Investigator: Ian Brooks
Total: $20,000
Period: March 2014 – June 2014

Malaria Map Hosting
Funding Agency: CDC
Principal Investigator: Ian Brooks
Total: $45,000
Period: February 2013 – January 2018

Continued Development of INDICATOR for Disease Surveillance
Funding Agency: Carle Foundation/CDC
Principal Investigator: Ian Brooks
Total: $20,000
Period: January 2013 – June 2013

Center for One Health Illinois
Funding Agency: USDA
Principal Investigator: Herb Whitely
Total: $23,717 (Brooks sub-award)
Period: August 2012 – August 2013

Continued Development of INDICATOR for Disease Surveillance
Funding Agency: Carle Foundation/CDC
Principal Investigator: Ian Brooks
Total: $20,000
Period: January 2012 – June 2012

Continued Expansion of INDICATOR to East Central Illinois Healthcare Providers
Funding Agency: Carle Foundation/CDC
Principal Investigator: Ian Brooks
Total: $25,000
Period: March 2011 – July 2011

Center for One Health Illinois
    Funding Agency: USDA
    Principal Investigator: Herb Whitely
    Total: $22,006 (Brooks sub-award)
    Period: August 2010 – August 2011

Expansion of INDICATOR to East Central Illinois Healthcare Providers
    Funding Agency: Carle Foundation/CDC
    Principal Investigator: Ian Brooks
    Total: $20,000
    Period: June 2010 – June 2011

VIReC Web Site Evaluation
    Funding Agency: Veteran's Administration
    Principal Investigator: Ian Brooks
    Total: $23,916
    Period: September 2009 – December 2009

Culture-Sensitive Interface Design for an Endemic Disease Information System
    Funding Agency: CII Fellowship
    Principal Investigator: Ian Brooks
    Total: $5,000
    Period: July 2009 – July 2010

Revision of the Malaria Map
    Funding Agency: CDC
    Principal Investigator: Ian Brooks
    Total: $61,032
    Period: May 2009 – September 2009

Collaborative Planning for Delivery of Essential Healthcare in Champaign County
    Funding Agency: CUPHD/CDC
    Principal Investigator: Ian Brooks
    Total: $100,000
    Period: January 2009 – December 2009

UIC Center for Clinical and Translational Science
    Funding Agency: NIH
    Principal Investigator: Ted Mazzone
    Total: $383,505 (Brooks sub-award)
    Period: March 2008 – March 2011

Malaria Risk Map
    Funding Agency: CDC
    Principal Investigator: Ian Brooks
    Total: $78,983
    Period: September 2007 – February 2008

Carle Infectious Disease Surveillance System Evaluation
    Funding Agency: Carle Foundation
    Principal Investigator: Ian Brooks
    Total: $40,000
    Period: January 2007 – December 2007

Student Supervision

Ph.D. Student Advising Committee

Ariel La Paz Lillo, Ph.D. UIC 2009 "Designing Biomedical Informatics Infrastructure for Clinical and Translational Science"

Shauna Davies, University of Saskatchewan, Ph.D. topic "Online Social Support in the Saskatchewan Heart Failure Network: An Interpretive Description Approach"

Mikko Tuomela, Library and Information Science

Master of Public Health Capstone Supervisor

Caroline Cua, DVM

Christopher Komisarz, MPH 2013

Graduate Research Assistants

Catherine Coleman, Ph.D. Communications 2009

Michelle Hinn, Educational Psychology

Sheethal Katta, MA Human Resources/Industrial Relations 2009

Hoon Kim, MS Computer Science 2009

Marcela Musgrove, Information Science

Bharat Thatavarti, MCS Computer Science (Expected 2015)

Rachel Wightman, MS Library and Information Science 2009

Undergraduate Research Assistants

Tirso Gamboa, BFA Graphic Design 2009

Maggie Kent, BS Advertising 2010

Surabhi Rao, BS Computer Science and Statistics (Expected 2014)

Michal Szymulanski, BS Computer Science 2014

Matthew Vaughan

Paul Vijayakumar BS Computer Science (Expected 2014)

Other Service

University of Illinois Faculty Affiliations

The Center for African Studies

The Center for Health, Aging, and Disability

CyberGIS Center for Advanced Digital and Spatial Studies

Health Information Technology Center

Illinois Informatics Institute

Conferences

Organizing Committee, International Conference for Smart Health, 2014

Reviewer, Syndromic 2013

Reviewer, Syndromic 2012

Plenary Chair–Capacity Building, CRICS 9, 2012

Reviewer, Medical Informatics Europe 2008-2009-2012

Organizing Committee, Tools for Integrated One Health Surveillance, 2011

Science Chair, HASTAC 2010

Reviewer, European Federation for Medical Informatics Special Topics Conference – "Seamless care – safe care. The challenges of interoperability and patient safety in health care." 2010

Organizing Committee, Biosecure 2009

Organizing Committee, Biosecure 2008

Organizing Committee, New and Reemerging Infectious Diseases Conference 2008

Organizing Committee, Biosurveillance 2007

Chair Organizing Committee, Infectious Disease Informatics Conference 2007

Reviewer, 11th World Congress on Internet in Medicine 2006

Session Chair–Macintosh developer tools, Scientific and Engineering Applications of the Macintosh 1993

Consulting

Consulting report on the Tennessee Meth Intelligence System for the Illinois Meth Project, Illinois Attorney General's Office

Data Management Consultant – Communicable Diseases in Latin America and the Caribbean (CD LAC) Workshop, IDRC. Lima, Peru

Negotiated partnership agreement between University of Illinois and Dar-es-Salaam Institute of Technology, Tanzania

Negotiated partnership agreement between University of Illinois and Pan American Health Organization