

CURRICULUM VITAE
Jody Lerner Cockroft, AA, BS, CCRP

Research Specialist, Institute for Intelligent Systems, Department of Psychology
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EDUCATION/CREDENTIALS

2011-present Certified Clinical Research Professional (**CCRP**) certification from SoCRA (valid through 11/2020)

BS University of Memphis, Memphis, TN
Major: Biology, area of concentration, Botany Minor: Chemistry

AA University of Tampa, Tampa, FL
Concentration: Biology/comp science

CONTINUING EDUCATION

2011 SOCRA accreditation course, St Jude Research Hospital

1985-1989 Graduate studies and course work in the Master degree program for biology including: botany, biochemistry, biostatistics, recombinant DNA techniques, plant-microbe interactions.

Graduate School at the University of Memphis, Memphis, TN and the University of Tennessee Health Science Center in Memphis, TN.

SERVICE

2018-present IEEE Project 2247 Adaptive Instructional Systems (AIS) Standards Working Group - Treasurer

2019 AIAED Organizing Committee member

HISTORY

05/04/2015-present

Research Specialist, University of Memphis, Memphis, TN
Institute for Intelligent Systems, Department of Psychology- Memphis, TN
Supervisors- Xiangen Hu and Art Graesser

01/2010-03/2015

Research Specialist, UTHSC, Memphis, TN Department of Medicine-Division of Pediatrics
Supervisor- Sandra Arnold MD

11/2007-08/07/2009

Research Specialist, UTHSC, Memphis, TN
Department of Medicine-Division of Hematology/Oncology UT Cancer Institute
Supervisors- Steve West and Jasjit Sachdev, MD; Thomas Ratliff, MD; Kathleen Spiers, MD; Barry Boston, MD; Raymond Osarogiagbon, MD; Reed Baskin, MD; Jeffrey Allen, MD; Furhan Yunus, MD; Mohammad Jahanzeb, MD; Carmel Verrier, MD; Sal Vasireddy, MD; Sahlil Goorha, MD

3/2000-10/31/2007

Senior Research Specialist, UTHSC, Memphis, TN
Department of Anatomy and Neurobiology

Supervisor - Daniel Goldowitz, Ph.D.

6/95-3/2000 Medical Research Supervisor, UTHSC, Memphis, TN
Department of Urology
Supervisor - Mitchell S. Steiner MD.

2/92-3/95 Research Associate I-University of Tennessee Medical Group (UTMG), Memphis, TN
Department of Obstetrics and Gynecology-Molecular Genetics Research
Administrative supervisor- Linda Tannen
Technical Supervisors- Colin Bishop, Ph.D., Vicki Park Ph.D.

2/88-2/92 Senior Research Assistant UTHSC, Memphis, TN
Department of Medicine-Cardiology
Supervisor- Jay M. Sullivan, M.D. (deceased)

5/86-2/88 Research Assistant UTHSC, Memphis, TN Department of Medicine-Cardiology
Supervisor- Jay M. Sullivan, M.D. (deceased)

PUBLICATIONS

Hu, X., Cai, Z., Graesser, A.C, and Cockcroft, J. (2019) GIFT as a framework for Self-Improvable digital resources in SIAIS. Gifttutoring.org in Proceedings of the 2019 GIFT SYM 7, Orlando, FL.

Green, A., Jain, S., Bramley, A.M., Cockcroft, J.L., Kaufman, R.A., McCullers, J.A., Arnold, S.A. (in review) Utility of induced sputum in assessing bacterial etiology for community-acquired pneumonia in hospitalized children.

Hu, X., Cai, Z., Hampton, A.J., Cockcroft, J.L., Graesser, A.C., Copland, C., Folsom-Kovarik, J.T. (2019). Capturing AIS Behavior using xAPI-like Statements. (pp 204-216) In Proceedings of Lecture Notes in Computer Science (HCII 2019) Cham, Switzerland: Springer.

Rus, V., Graesser, A.C., Hu, X., and Cockcroft, J.L. (2019). Standardizing Unstructured Interaction Data In Adaptive Instructional Systems. (pp 217-226) In Proceedings of Lecture Notes in Computer Science (HCII 2019) Cham, Switzerland: Springer.

Rus, V., Graesser, A.C., Hu, X., Cockcroft, J.L. (2018) A Computational Perspective of Adaptive Instructional Systems for Standards Design. Artificial Intelligence in Education 2018 London, United Kingdom (pp. 23-57) Gifttutoring.org/ in Proceedings of the 2018 Adaptive Instructional Systems Standards Workshop at 2018 AIED Conference, London, UK.

Hu, X. Dowell, N., Cai, Z., Graesser, A.C, Shi, G., Cockcroft, J.L., & Shorter, P. (2018) Constructing Individual Conversation Characteristics Curves (ICCC) for Interactive Intelligent Tutoring Environments (IITE). In *Design Recommendations for Intelligent Tutoring Systems: Volume 6 - Team Tutoring*. (pp. 133-146). R. A. Sottolare, A.C. Graesser, X. Hu, & A. M. Sinatra (Eds.) Orlando, FL: U.S. Army Research Laboratory. ISBN 978-0-9977257-4-2.

Cai, Z., Hampton, A. J., Graesser, A. C., Hu, X., Cockcroft, J. L., Shaffer, D. W., & Dorneich, M. C. (2018). The roles of talking agents in online collaborative learning environments. In *Design Recommendations for Intelligent Tutoring Systems: Volume 6 - Team Tutoring*. (pp. 169-178). R. A. Sottolare, A.C. Graesser, X. Hu, & A. M. Sinatra (Eds.) Orlando, FL: U.S. Army Research Laboratory. ISBN 978-0-9977257-4-2.

Seema Jain, MD, Derek J. Williams, MD, MPH, Sandra R. Arnold, MD, Krow Ampofo, MD, Anna M. Bramley, MPH, Carrie Reed, Ph.D., Chris Stockmann, MSC, Evan Anderson, MD, Carlos G. Grijalva, M.D., M.P.H., Wesley H. Self, M.D., M.P.H., Yuwei Zhu, M.D., Anami Patel, Ph.D., Weston Hymas, M.S., James D. Chappell, M.D., Ph.D., Robert A. Kaufman, M.D., J. Herman Kan, M.D., David Dansie, M.D., Noel Lenny, Ph.D., David R. Hillyard, M.D., Lia M. Haynes, Ph.D., Min Levine, Ph.D., Stephen Lindstrom, Ph.D., Jonas M. Winchell,

Ph.D., Jacqueline M. Katz, Ph.D., Dean Erdman, Dr.P.H., Eileen Schneider, M.D., M.P.H., Lauri A. Hicks, D.O., Richard G. Wunderink, M.D., Kathryn M. Edwards, M.D., Andrew T. Pavia, M.D., Jonathan A. McCullers, M.D., and Lyn Finelli, Dr.P.H., for the CDC EPIC Study Team*

Collaborators (31)

[Berman L](#), [Berndt M](#), [Blum R](#), [Bresee J](#), [Carvalho Mda G](#), [Hancock K](#), [Jefferson S](#), [Jiang V](#), [Moore M](#), [Pimenta F](#), [Schrage S](#), [Thurman K](#), [Veguilla V](#), [Whitaker B](#), [Wishik J](#), [Whitney C](#), [Zhang Y](#), [Cockcroft J](#), [Carell M Jr](#), [Alvarez S](#), [Goosens MW](#), [Gregory P](#), [McHenry R](#), [McMorrow S](#), [Phillips S](#), [Blaschke AJ](#), [Byington CL](#), [Hersh A](#), [Rosen P](#), [Willis L](#), [Rofls R](#). (I was lead coordinator for the LeBonheur team page 3 of Appendix). Community-Acquired Pneumonia Requiring Hospitalization among U.S. Children NEJM 2015 Feb 26; 372(9):835-845. [Article link](#)

Melloni N. Cook, PhD., Douglas B Matthews, PhD., Jody Cockcroft, B.S., Kristin M Hamre, PhD., Guy Mittleman, PhD., Elissa J. Chesler, PhD. Daniel Goldowitz, PhD. Naturally Occurring and Induced Polymorphisms That Affect Handling Induced Convulsions in Consomic Mice: Baseline and Acute Ethanol Withdrawal Effects Alcoholism: Clinical and Experimental Research under review

Guy Mittleman, Stanford B. Call, Jody L. Cockcroft, Dan Goldowitz, Douglas B. Matthews and Charles D. Blaha. Dopamine Dynamics Associated with, and Resulting from, Schedule- induced Alcohol Self-Administration: Analyses in Dopamine Transporter Knockout Mice Alcohol 45: 2011 325-329.

Matthews DB, Chesler EJ, Cook MN, Cockcroft J, Philip VM, Goldowitz D. Genetic mapping of vocalization to a series of increasing acute footshocks using B6.A consomic and B6.D2 congenic mouse strains. Behav Genet. 2008 Jul; 38(4):417-23. <http://www.ncbi.nlm.nih.gov/pubmed/18535899> Epub 2008 Jun 6.

Matera Ivana; Cockcroft Jody L; Moran Jennifer L; Beier David; Goldowitz Dan; Pavan William J. A mouse model of Waardenburg Syndrome type IV resulting from an ENU-induced mutation in Endothelin 3. Pigment Cell Res. 2007 Jun; 20(3):210-5).

Weld KJ, Mayher BE, Allay JA, Cockcroft JL, Reed CP, Randolph MM, Lu Y, Steiner MS, Gingrich JR. Transrectal gene therapy of the prostate in the canine model. Cancer Gene Therapy, 9(2):189-96, 2002.

Steiner MS, Zhang Y, Farooq F, Lerner J, Wang Y, Lu Y. Adenoviral vector containing wild-type p16 suppresses prostate cancer growth and prolongs survival by inducing cell senescence. Cancer Gene Therapy. 7(3): 360-72, 2000.

Allay JA, Steiner MS, Zhang Y, Reed CP, Cockcroft J, Lu Y. Adenovirus p16 gene therapy for prostate cancer. World Journal of Urology, 18 (2):111-20, 2000.

Rinaldy AR, Menon RP, Lerner JL, Steiner MS. Role of pHyde novel gene product as an intrinsic factor for apoptotic pathway in prostate cancer. Gan To Kagaku Ryoho. 27 Suppl 2:215-22, May 2000.

Yi Lu, John Carraher, Yu Zhang, Jianling Armstrong, Jody Lerner, William P. Rogers, Mitchell S. Steiner. Delivery of adenoviral vectors to the prostate for gene therapy. Human Gene Therapy, 6(1): 64- 72, 1999.

BE Mayher, KJ Weld, Mildred M. Randolph, JA Allay, C Reed, J Lerner, Yi Lu, Mitchell S. Steiner, JR Gingrich. Intraprostatic injection of an adenoviral vector in canines enables dissemination throughout the prostate. Cancer Gene Therapy 6(6):S13-S13, October, 1999.

Goldman HB, Israeli RS, Lerner JL, Hollabaugh RS Jr, Steiner, MS. Effect of prostate biopsy on the results of the PSA RT-PCR test. Urology, 52(6) 1073-8, 1998.

Mitchell MJ, Wilcox SA, Watson JM, Lerner JL, Woods DR, Scheffler J, Hearn JP, Bishop CE, Graves JA. The origin and loss of the ubiquitin activating enzyme gene on the mammalian Y chromosome. Human Molecular Genetics (England) 7(3): 429-434, 1998.

Howard B. Goldman, Ron Israeli, Yi Lu, Jody L. Lerner, Robert S. Hollabaugh, Mitchell S. Steiner. Can prostate-specific antigen reverse transcriptase-polymerase chain reaction be used as a prospective test to diagnose prostate cancer? World Journal of Urology, 15(4), 257-261, 1997.

A.I. Agulnik, C.E. Bishop, J.L. Lerner, S.I. Agulnik, V.V. Solovyev. Analysis of mutation rates in the SMCY/SMCX genes show that mammalian evolution is male driven. Mammalian Genome, 8, 134-138, 1997.

SR Copeland, MC Mills, JL Lerner, MF Crizer, CW Thompson, JM Sullivan. Hemodynamic Effects of Aerobic vs Resistance Exercise. Journal of Human Hypertension, 10(11):747-753, 1996.

Owen P. Phillips, M.D.; Avirachan T. Tharapel, Ph.D.; Jody L. Lerner, B.S.; Vicki M. Park, Ph.D.; Stephen S. Wachtel,

Ph.D; and Lee P. Shulman, M.D. Risk of Fetal Mosaicism when Placental Mosaicism is Diagnosed by Chorionic Villus Sampling. American Journal of Obstetrics and Gynecology, 174(3):850-5, 1996.

Jay M. Sullivan, M.D.; Bashar A. Shala, M.D.; Leslie A. Miller, B.S.; Jody L. Lerner, B.S.; John D. McBrayer, M.D. Progesterone Enhances Vasoconstrictor Responses in Postmenopausal Women Receiving Estrogen Replacement Therapy. Menopause 2(4):193-199, 1995.

Alexander I. Agulnik, Michael J. Mitchell, Jody L. Lerner, Diane R. Woods, and Colin E. Bishop. A mouse Y chromosome gene encoded by a region essential for spermatogenesis and expression of male-specific minor histocompatibility antigens. Human Molecular Genetics, 3(6): 873-878, 1994.

Alexander I. Agulnik, Michael J. Mitchell, Marie-Genevieve Mattei, Giuseppe Borsani, Phillip A. Avner, Jody L. Lerner, and Colin E. Bishop. A novel X gene with a widely transcribed Y-linked homologue escapes X-inactivation in mouse and human. Human Molecular Genetics, 3(6): 879-884, 1994.

Jina Ryu, Jody Lerner, Jay M. Sullivan. Unresponsiveness of Forearm Hemodynamics to Omega-3 Polyunsaturated Fatty Acids and Aspirin. Prostaglandins, 39(3): 339-347, 1990.

ABSTRACTS

Mary Hayes, Jody Cockcroft, & Xiangen Hu. ADL Technology Enhanced WorkBay Training Platform: Freedom & a Job. iFEST 2018. Alexandria, VA.

Xiangen Hu, Zhiqiang Cai, Andrew Tackett, Jody Cockcroft, Dr. Ruben Ramirez-Padron, Capturing AIS Behavior using xAPI-like Statements. iFEST 2018. Alexandria, VA.

Jody L. Cockcroft AA BS CCRP, Anna M. Bramley MPH, Victoria Jiang BS, Chris Stockmann MSc CCRP, Markia Goossens BSN, Muhammad N. Shaikh MBBS, Davida J.R. Singleton MPH, Seema Jain MD, Jonathan McCullers MD, Sandra R. Arnold MD MSc. Factors associated with parental consent to participate in the Etiology of Pneumonia in the Community (EPIC) study. **SOCRA 2013. Finalist in Research management category.**

Amanda Anderson-Green, Jody Cockcroft, Fouzia Naeem, M. Naeem Shaikh, Davida R. Singleton, Anna Bramley, Seema Jain, and Jonathan A. McCullers, Sandra R. Arnold. Utility of Induced Sputum Culture in the Diagnosis of Community-Acquired Pneumonia among Hospitalized Children. 2013.

Sandra R. Arnold, Jody Cockcroft, Fouzia Naeem, M. Naeem Shaikh, Davida R. Singleton, Anna Bramley, Seema Jain, and Jonathan A. McCullers. Diagnostic Value of Induced Sputum Culture in the Diagnosis of Community-Acquired Pneumonia (CAP) in Hospitalized Children. PAS 2013.

Fouzia Naeem, Jody Cockcroft, Noel Lenny, M. Naeem Shaikh, Randall Hayden, Anami Patel, Nick Van de Velde, Carl Johnson, Patricia Flynn, Seema Jain, Jonathan A. McCullers, Sandra Arnold Etiology, Prognosis, and Inflammatory Markers in Pediatric Community-Acquired Pneumonia 2012.

L. Liu, J. Cockcroft, N. Del Mar, J. Moskovitz, R. T. Bronson, P. F. Ward-Bailey, M. Davisson, H. Sweet, D. Goldowitz. Very early development of astroglial reactivity and diminished numbers of oligodendrocytes in the central nervous system of the *ingls* mutant mouse. SFN 2007.

J. L. Cockcroft, R. T. Bronson, P. F. Ward-Bailey, M. Davisson, H. Sweet, Y. Jiao, W. Gu, L. Liu, D. Goldowitz. Infantile gliosis: a spontaneous mutation in the mouse that results in remarkable astrocyte hypertrophy in brain and spinal cord and early death. SFN 2006.

Yi Lu, Yu Zhang, Farees Farooq, Ying Wang, Jody Lerner, and Mitchell S. Steiner. Genotherapeutics, Inc., and UT Urologic Research Laboratories. Expression of tumor suppressor gene p16 effectively inhibits the growth of prostate cancer cells. Gene Therapy 110, 1998.

Monson Shuh, Jody L. Lerner, Jay M. Sullivan. The Effect of Caffeine on Vasodilator Reactivity During Tolerant and Tolerant States. Clinical Research 39(4): 798A, 1991.

Stuart R. Copeland, Mary C. Mills, Jody L. Lerner, Marsha F. Crizer, Cathy W. Pounders, and Jay M. Sullivan. Hemodynamic Effects of Aerobic Versus Isometric Exercise. Clinical Research 38:936A, 1990.

Jay M. Sullivan, Jody L. Lerner, Kristopher L. Arheart, Thomas E. Ratts. Hemodynamic Effects of Long-Term Sodium Intake in Sodium-Sensitive and Sodium-Resistant Humans. Hypertension 16:325, 1990.

Marshall P. Goren, Mary Jane Viar, Jody L. Lerner, Jay M. Sullivan. Reversible Increases in Excretion of Adenosine

Deaminase Binding Protein (ABP) During Cyclosporin (CSA) Therapy in Cardiac Transplant Patients. Kidney International. 35(1):515, 1988.

J. Ryu, J.L. Lerner, G.A. Box, J.M. Sullivan. The Effects of Omega-3 Polyunsaturated Fatty Acids on Forearm Hemodynamics. Clinical Research 36:7A, 1988.