Lori A. Koch, B.A., C.C.R.P., C.T.R.

Education and Certifications

Bachelor's Degree in Biology received May 1995
University of Illinois, Springfield, IL
30 credit hours, Master's Program in Biology
University of Illinois, Springfield, IL

Certified Clinical Research Professional (CCRP) SoCRA, 2002
Certified Tumor Registrar (CTR), NCRA, 2007

Professional Experience

Registry Director – Illinois State Cancer Registry, Division of Epidemiologic Studies
November 2012 – Present **Illinois Department of Public Health**
Plans, directs, coordinates, and supervises all activities of the Illinois State Cancer Registry.

Acting Registry Director – Illinois State Cancer Registry, Division of Epidemiologic Studies
June 2012 – October 2012 **Illinois Department of Public Health**
Planned, directed, coordinated, and supervised all activities of the Illinois State Cancer Registry.

Data Use Manager – Illinois State Cancer Registry, Division of Epidemiologic Studies
July 2004 – June 2012 **Illinois Department of Public Health**
Planned, directed, executed, and coordinated all operational aspects of the public health confidential data release program for the Division of Epidemiologic Studies.

Researcher II – Infectious Diseases
February 2000- July 2004 **Southern Illinois University School of Medicine**
Organized, planned, executed, and evaluated the operation of all clinical research trials for the Division of Infectious Diseases as well as all HIV laboratory research for the Koirala laboratory, Division of Infectious Disease.

Researcher I - Neurology
July 1999 – February 2000 **Southern Illinois University School of Medicine**
Organized, planned, executed, and evaluated the operation of the brain bank and all laboratory research for the Struble laboratory, Division of Neurology.

Researcher II - Surgery
July 1997 – June 1999 **Southern Illinois University School of Medicine**
Organized, planned, and executed the operation of all laboratory research for the Bauer laboratory, Division of Surgery.

Veterinary Assistant
1995-1998 **Capitol Illini Veterinary Hospital**
Organized, prepared, and executed both surgical and medical assistance to veterinarians in a clinical setting.

Publications and Abstracts

1. Spector L, Brown M, Wantman E, Letterie G, Toner J, Doody K, Ginsburg E, Williams M, **Koch L**, Schymura M, Luke B. Association of In Vitro Fertilization With Childhood Cancer in the United States. JAMA Pediatrics 2019 Apr 1:e190392. Doi: 10.1001/jamapediatrics.2019.0392.

2. D'Arcy M, Coghill A, Lynch C, **Koch L**, Li J, Pawlish K, Morris C, Rao C, Engels E. Survival after cancer diagnosis among solid organ transplant recipients in the United States. Cancer. Cancer. 2019; 125:933-942. doi: 10.1002/cncr.31782

3. Smith G, Hebert L, **Koch L**, Shen T. Validation of Areal Interpolation Methodology for Estimating Cancer Incidence in Chicago Wards, 2005-2014. Epidemiologic Report Series 18:06. Springfield, Ill.: Illinois Department of Public Health, June 2018.

4. Yanik EL, Shiels MS, Smith JM, Clarke CA, Lynch CF, Kahn AR, **Koch L**, Pawlish KS, Engels EA. Contribution of Solid Organ Transplant Recipients to the Pediatric Non-Hodgkin Lymphoma Burden in the United States. Cancer. 2017 Dec. 1; 123(23):4663-4671. doi: 10.1002/cncr: 30923

5. Formigoni L, **Koch L**, Garner K, Bostwick J. Cancer in Illinois 2017. Illinois Department of Public Health, Springfield, IL. September 2017

6. Yanik EL, Smith JM, Shiels MS, Clarke CA, Lynch CF, Kahn AR, **Koch L**, Pawlish KS, Engels EA. Cancer Risk After Pediatric Solid Organ Transplant. Pediatrics. 2017 May; 139(5). doi: 10.1542/peds.2016-3893.

7. Mahale P, Weisenburger D, Kahn A, Gonsalves L, Pawlish K, **Koch L**, Gomez M, Clarke C, Copeland G, Alverson G, Shiels M, Engels E. Anaplastic large cell lymphoma in HIV-infected individuals. Conference on Retroviruses and Opportunistic Infections, Boston, MA. 2018.

8. Yanik EL, Nogueira LM, **Koch L**, Copeland G, Lynch CF, Pawlish KS, Finch JL, Kahn AR, Hernandez BY, Segev DL, Pfeiffer RM, Snyder JJ, Kasiske BL, Engels EA. Comparison of cancer diagnoses between the US solid organ transplant registry and linked central cancer registries. Am J Transplant. 2016 Oct; 16(10):2986-2993. doi: 10.1111/ajt.13818.

9. Luke B, Brown MB, Spector LG, Stern JE, Smith YR, Williams M, **Koch L**, Schymura MJ. Embryo banking among women diagnosed with cancer: a pilot population-based study in New York, Texas and Illinois. J Assist Reprod Genet. 2016 May; 33(5): 667-74. doi: 10.1007/s10815-016-0669-5.

10. Luke B, Brown M, Missmer S, Spector L, Leach R, Williams M, **Koch L,** Smith Y, Stern J, Ball G, Schymura M. Assisted Reproductive Technology Use and Outcomes Among Women With a History of Cancer. Hum Reprod. 2016 Jan; 31(1): 183-9. doi: 10.1093/humrep/dev288.

11. Luke B, Brown M, Spector L, Missmer S, Leach R, Williams M, **Koch L,** Smith Y, Stern J, Ball G, Schymura M. Cancer in women after assisted reproductive technology. Fertil Steril. 2015 Nov; 104(5): 1218-26. doi: 10.1016/h,fertbstert,2015.07.1135.

12. **Koch L**, Lehnherr M. Weems K, Bostwick J. Cancer in Illinois 2015. Illinois Department of Public Health, Springfield, IL. August 2015.

13. Luke B, Brown M, Spector L, Missmer S, Leach R, Williams M, **Koch L,** Smith Y, Stern J, Ball G, Schymura M. Cancer in Women Before ART. Presented at the 70th Annual Meeting of the American Society for Reproductive Medicine, Honolulu, Hawaii, 18-22 October 2014.

14. **Koch L**, Lehnherr M, Garner K, Bostwick J. Cancer in Illinois 2014. Illinois Department of Public Health, Springfield, IL. October 2014.

15. **Koch L**, Snodgrass L, Shen T, Bostwick J. Cancer in Illinois 2013. Illinois Department of Public Health, Springfield, IL. June 2013.

16. Engels E, Pfeiffer R, Fraumeni J, Kasiske B, Israni A, Snyder J, Wolfe R, Goodrich N, Bayakly A, Clarke C, Copeland G, Finch J, Fleissner M, Goodman M, Kahn A, **Koch L**, Lynch C, Madeleine M, Pawlish K, Rao C, Williams M, Castenson D, Curry M, Parsons R, Fant G, Lin M. Spectrum of Cancer Risk Among US Solid Organ Transplant Recipients. JAMA. 2011 Nov 2; 306(17): 1891-901. doi: 10.1001/jama.2011.1592.

17. Janak Koirala, Alys Adamski, **Lori Koch**, Danielle Stueber, Mohammed El-Azizi, Nancy M. Khardori, Mahmood Ghassemi, and Richard M. Novak. Interferon-Gamma Receptors in HIV-1 Infection. AIDS Res Hum Retroviruses. 2008 Aug; 24(8): 1097-102. doi: 10.1089/aid.2007.0261

18. Rogers, LQ; Courneya, KS; Robbins, T; Malone, J; Seiz, A; **Koch, L**; Rao, K. Physical activity correlates and barriers in head and neck cancer patients. Supp Care Cancer. 2008 Jan; 16(1): 19-27.

19. Rogers, Courneya, Robbins, Malone, Rao, Seiz, **Koch**. Physical activity correlates among head and neck cancer survivors. Poster Presentation, Society of Behavioral Medicine, March 23, 2007.

20. Rogers, LQ; Courneya, KS; Robbins, TK; Malone, J; Seiz, A; **Koch, L**; Rao, K; Nagarkar, M. Physical activity and quality of life in head and neck cancer survivors. Supp Care Cancer. 2006 Oct; 14(10): 1012-1019.

21. Rogers LQ, Courneya KS, Robbins T, Malone J, Seiz A, **Koch L**, Nagarkar M, Rao K. Exercise and quality of life in head and neck cancer patients. Oral Presentation, National American College of Sports Medicine, June 1, 2006.

22. Janak Koirala, Alys Adamski, **Lori Koch**, Mohammed El-Azizi, Nancy Khardori. Expression of Interferon-Gamma Receptors Increases with Progression of HIV-1 Infection. 43rd Annual Meeting of the Infectious Diseases Society of America (IDSA), San Francisco, October 6-9, 2005 (Abstract no. 167).

23. J. Koirala, **L.Koch**. Interferon-gamma and Interferon-gamma R1 in HIV Infection. International Society for Infectious Diseases, Cancun, Mexico, March 2004.

24. N.M. Khardori, M. El-Azizi, S. Starks, **L. Herr**, M. Toama. In Vivo Modulation of *Candida albicans* Biofilm by Amphotericin B and the New Triazole SCH56592. Trends in Invasive Fungal Infections, Prague, Czech Republic, 2001.

25. C.A. Bauer, **L.A. Herr** and T.J. Brozoski. Behavioral Evidence of Chronic Tinnitus in Rats with Unilateral Noise Trauma. Neuroscience. Los Angeles, CA. 1998.

Laboratory Research Studies

1. Analyzed the expression of interferon-gamma receptors in HIV-infected patients.
2. Evaluated interferon-gamma as a way to improve macrophage functions against *Mycobacterium Avium Complex* infection in HIV-infected patients.
3. Investigated the effect of cytokines on intracellular killing of *Mycobacterium Avium Complex* in normal and HIV infected hosts.
4. Determined the activity of D-methionine on the effectiveness of ototoxic antimicrobial agents.
5. Studied the effects of two drugs on modulation of Candida biofilms in an animal model
6. Utilized a global ischemia model in rats to study the effects of various COX-2 inhibitors.

7. Developed a behavioral research model in chinchillas and rats to study tinnitus and noise trauma.

Clinical Research Studies

1. Linezolid vs. Vancomycin/ Oxacillin/ Dicloxacillin in the Treatment of Catheter Related Gram-Positive Bloodstream Infections.
2. A Phase III open-label safety study of T-20 / Ro 29-9800 (HIV fusion inhibitor) in combination with oral antiretrovirals, in patients who are unable to construct a viable regimen.
3. Intervention Substudy: A Phase III open-label safety study of T-20/Ro 29-9800 (HIV fusion inhibitor) in combination with oral antiretrovirals, in patients who are unable to construct a viable regimen.
4. A Multicenter, Double-Blinded, Randomized Comparison Study of the Efficacy and Safety of Tigecycline to Imipenem/Cilastatin to Treat Complicated Intra-Abdominal Infections in Hospitalized Subjects.
5. A randomized, partially blinded, multicenter, phase III, three arm study to evaluate the efficacy and safety of Peginterferon alfa-2a (Ro 25-8310) monotherapy vs. combination therapy of Peginterferon alfa-2 with Ribavirin (Ro 20-9963) vs. combination therapy of interferon alfa-2a (Ro 22-8181) with Ribavirin for 48 weeks and 24 weeks of follow up in patients with chronic hepatitis C coinfected with HIV.
6. A Large, Simple Trial Comparing Two Strategies for Management of Anti-Retroviral Therapy (The SMART Study).
7. A Randomized, Double-Blind, Multi-Center, Comparative Phase III Study of Intravenous BMS-284756 With or Without Oral BMS-284756 Follow-up Versus Intravenous Piperacillin/Tazobactam With or Without Oral Amoxacillin/Clavulanate Follow-up in the Treatment of Complicated Skin and Skin Structure Infections.
8. An Observational Study Assessing the Use of Xigris [Drotrecogin alfa (activated)] in Adult Patients with Severe Sepsis.
9. Physical Activity and Biomarkers of Joint Health Relevant to Osteoarthritis Prevention.

Professional Organizations and Committees

Member of the Society of Clinical Research Associates (SOCRA)

Member of the Cancer Registrars of Illinois (CRI)

Member of the National Cancer Registrars Association (NCRA)

Member of the Mid-Level Tactical Work Group

<u>North American Association of Central Cancer Registries (NAACCR)</u>
Co-Chair, Standardization and Registry Development Steering Committee
Co-Chair, Uniform Data Standards
Co-Chair, Interstate Case Ownership Task Force
Member, Virtual Pooled Registry Work Group
Member, Data Release Task Force
Member, Confidentiality Subcommittee of the Data Release and Research Committee
Member, Program Committee

<u>Cancer Registrars of Illinois</u>
Co-Chairman, Public Relations Committee – 2 years
Chairman, Membership Committee – 1 year
Chairman, Program Committee – 1 year
Chairman, Elections Committee – 1 year

President-Elect – 2014, 2019
President – 2015, 2020
Immediate Past President – 2016, 2021

Illinois Cancer Partnership
Member, Executive Committee
Member, State Cancer Plan Workgroup
Member, Data and Surveillance Workgroup

Member, ACS Cancer Registrar's Education Workshop Committee

Vice President, Administrative/Professional Staff Council – SIU School of Medicine (4 years)
Member, Researcher Performance Evaluation Committee – SIU School of Medicine