

# E. Julia Chosy

## EDUCATION

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- 8/2001 – present      University of Illinois- Chicago      Chicago, IL  
*Ph.D. candidate, Epidemiology*
- Dissertation: Correlates and Health Consequences of Victimization in a Sample of Chemically-Dependent Detainees
  - Expected completion date: January 2007
- 8/1997 – 5/1999      Duke University      Durham, NC  
*M.S., Microbiology*
- Thesis: Toward the Identification of the Receptor for the Protective Antigen of *Bacillus anthracis*
- 8/1993 – 5/1997      Hampshire College      Amherst, MA  
*B.A., Biology*
- Thesis: The Role of Microglia in HIV Infection

## RELEVANT WORK EXPERIENCE

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- 8/2002 – present      University of Illinois at Chicago      Chicago, IL  
*Research Specialist with the Great Cities Institute*
- Administered surveys on health care needs to detainees at Cook County Jail
  - Assisted in the construction and administration of a follow-up instrument for the same population
  - Analyzed resulting data and authored manuscripts for publication
- 1/2004 – 6/2004      University of Illinois at Chicago      Chicago, IL  
*Epidemiology Teaching Assistant*
- Led 28 students through weekly epidemiologic reviews and exercises, including introductions to statistical and epidemiologic software
  - Administered quizzes and assessed student performance
- 8/2001 – 8/2002      University of Illinois at Chicago      Chicago, IL  
*Research Assistant in the Department of Epidemiology and Biostatistics*
- Co-authored a questionnaire on smallpox preparedness for the Illinois Department of Public Health
  - Prepared manuscripts on *Helicobacter pylori* for publication
  - Explored dissociative qualities of quinine resin in a diagnostic tool for gastric acidity
- 8/1999 – 8/2001      Ohio State University      Columbus, OH  
*Research Associate in the Department of Pathology*
- Aided in the design of protocols for rare cell isolation
  - Examined the magnetophoretic mobility of labeled cancer cells
- 1/1999 – 5/1999      Duke University      Durham, NC  
*Microbiology Teaching Assistant*
- Conducted 22 students through biweekly laboratory exercises
  - Designed and proctored weekly quizzes and a final exam

- 1/1997 – 5/1997      Hampshire College      Amherst, MA  
*Immunology Teaching Assistant*
- Facilitated small group discussion and dissection of medical cases in immunology
  - Assessed students' performances on written case analyses

#### AWARDS AND MEMBERSHIPS

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- 9/1996 – 1/1997      University of Pittsburgh      Pittsburgh, PA  
*Research Fellowship in the Division of Neuropathology*
- Investigated aspects of the role of microglia in HIV-1 infection
  - Attended regular brain dissections and pathology rounds

- 6/1996 – 8/1996      University of Pittsburgh      Pittsburgh, PA  
*Howard Hughes Undergraduate Research Fellowship*
- Analyzed the proliferative response of microglia to neuronal infection by pseudorabies virus
  - Prepared and presented findings at a symposium for HH fellows and staff

- National Association of Science Writers
- Member since 2006

- American Society of Criminology
- Member since 2002

- American Public Health Association
- Member 2000-2004

- American Society of Microbiology
- Member 1996-2005

#### PUBLICATIONS & POSTERS

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- Chosy, EJ, Lyons, T, Ivy, W, Mingus, J, Lurigio, A, & Goldstein, PJ. Submitted 2006. Drug-use and health-status correlates of victimization: differences by gender and victimization type. Submitted to *Journal of Interpersonal Violence*
- Chosy, EJ, Lyons, T, Cantrell, WD, Lurigio, A, & Goldstein, PJ. Submitted 2006. Violence-related injuries and victimization in a sample of chemically-dependent detainees: differences by gender and age. Submitted to *Violence & Victims*
- Goldstein, PJ, Lurigio, A, Lyons, T, & Chosy, EJ. 2006. Health-care needs of jail detainees with substance use problems: a work in progress. *American Jails*. **20(3):**21-27
- Chosy, EJ & Goldstein, PJ. 2003. Substance use and mental health correlates of victimization in a population of detainees: the effect of gender. Poster presented at the American Society of Criminology annual meeting. Denver, CO. Nov. 18-22

- Chosy, EJ, Nakamura, M, Melnik, K, Comella, K, Zborowski, M, Lasky, LC, & Chalmers, JJ. 2003. Characterization of antibody binding to three cancer-related antigens using flow cytometry and cell tracking velocimetry. *Biotechnology & Bioengineering*. **82(3)**:340-351
- Passaro, DJ, Chosy, EJ, & Parsonnet, J. 2002. Helicobacter pylori: consensus and controversy. *Clinical Infectious Disease*. **35(3)**:298-304
- Comella, K, Nakamura, M, Melnik, K, Chosy, EJ, Zborowski, M, Cooper, MA, Fehniger, TA, Caligiuri, MA, & Chalmers, JJ. 2001. Effects of antibody concentration of the separation of human natural killer cells in a commercial immunomagnetic separation system. *Cytometry*. **45(4)**:285-93
- Nakamura, M, Decker, K, Chosy, E., Comella, K, Melnik, K, Moore, L, Lasky, LC, Zborowski, M, & Chalmers, JJ. 2001. Separation of a breast cancer cell line from human blood using a quadrupole magnetic flow sorter. *Biotechnology Progress*. **17(6)**:1145-1155
- Chosy, EJ, Sarnacki, PG, Dorsey, RW, Radhakrishnan, L, & Achim, CL. 1997. HIV-1 and chemokine receptors in brain macrophages. Poster presented at the International Symposium of Neurovirology. Philadelphia, PA. May 5-7

#### TECHNICAL SKILLS AND ADDITIONAL ASSETS

- Proficient in Microsoft Office Suite and SAS
- Laboratory skills:
  - *Molecular biology methods*: PCR, RT-PCR, DNA sequencing, western and southern blotting, bacterial transfection, isolation and purification of genomic DNA, plasmid DNA, RNA, and proteins
  - *Microbiologic methods*: General plating and colony selection, phage display library construction and selection, maintenance and propagation of HIV, Psuedorabies virus, *Bacillus anthracis*, *Salmonella typhimurium*, *Escherichia coli*
  - *Immunologic methods*: Immunochemistry, ELISA, flow cytometry, immunomagnetery, cell tracking velocimetry
  - *Tissue and specimen methods*: Small animal surgery, tissue preservation and sectioning, blood sample preparation, cell-specific isolation from tissue samples, stem cell extraction from umbilical cords
  - *Cell biology methods*: Sterile tissue culture (substrate and suspension), biohazard level 3 tissue culture, maintenance and propagation of multiple cell lines
- Fluent in French
- Intermediate knowledge of Spanish

#### REFERENCES

- Available upon request