

# CURRICULUM VITAE

## **Berch E. Henry, II**

Arkansas Genomics, LLC  
5100 Talley Rd. Suite #300  
Little Rock, Arkansas 72204  
Office: 501-850-0205

E-Mail: [bhenry@arkansasgenomics.com](mailto:bhenry@arkansasgenomics.com)

### **PREVIOUS POSITION**

**Laboratory Director, Arkansas Genomics, LLC**  
5100 Tally Road, Suite # 300, Little Rock, Arkansas, 72204

**Program Director, Forensic DNA Facility**, Department of Chemistry and Molecular Biology,  
**North Dakota State University**, Fargo, North Dakota

**Associate Member of the Graduate Faculty**, Department of Chemistry and Molecular Biology,  
**North Dakota State University**, Fargo, North Dakota

### **EDUCATION**

**B.S. Biology**, 1972  
University of Arkansas, Little Rock

**M.S. Microbiology**, 1975  
University of Arkansas Medical Center

**Ph.D. Microbiology-Virology**, 1979  
University of Mississippi Medical Center

### **FELLOWSHIPS**

12/1/79-12/1/80: Recipient of an **American Cancer Society Postdoctoral Fellowship** at the  
Cancer Research Center, University of North Carolina, Chapel Hill, NC.

12/1/80-6/30/83: Recipient of an **National Institutes of Health Postdoctoral Fellowship** at the  
Cancer Research Center, University of North Carolina, Chapel Hill, NC.

### **CERTIFICATION**

7/97-Present: **Diplomat** of the **American Board of Criminalistics**.

## TRAINING AND EXPERIENCE

11/7/98-6/24/06 **DNA Laboratory Manager and Technical Leader** for the **Las Vegas Metropolitan Police Department**, Las Vegas, NV.

4/15/96-11/6/98: **Forensic Biology Coordinator and Technical Leader**, Alabama Department of Forensic Sciences, Birmingham, AL.

2/3/90-4/15/96: **Criminalist**, Forensic DNA Analysis Section, Forensic Sciences Division, Washoe County Sheriff's Department, Reno, NV.

3/1/92-1/1/99: Member of **Technical Working Group on DNA Analysis Methods (TWGDAM)** sponsored by the United States Dept. of Justice, FBI.

1990-2005: Faculty in the "**Forensic, Medical and Scientific Evidence**" course, The National Judicial College, Reno, NV.

1990: Faculty in the "**Special Problems in Criminal Evidence**" course, Master's Program, The National Judicial College, Reno, NV.

1998: Faculty in the "**Science in the Courtroom**" course, The National Judicial College, Reno, NV.

7/1/84-4/15/90 Appointment to **Assistant Professor** in the School of Medicine, School of Veterinary Medicine, University of Nevada, Reno, NV.

2/3/90-4/15/96: **Associate Faculty** in the School of Medicine and Cell and Molecular Biology Program, University of Nevada, Reno, NV.

4/15/96-11/1/98: **Associate Faculty** in the Forensic Sciences Graduate Program, Department of Criminal Justice, University of Alabama at Birmingham.

7/1/83-6/30/84: Appointment to **Research Associate**, Department of Microbiology and Immunology, University of North Carolina Medical School, Chapel Hill, NC.

3/1/91-4/15/96: Associate Director of the **DNA Analysis Laboratory**, University of Nevada School of Medicine and Sierra Nevada Laboratories, Reno, NV.

3/18/90-4/13/90: Graduate course in "**Forensic Application of DNA Typing Methods**", FBI Academy, Quantico, VA and the University Of Virginia Graduate School.

6/9/91-6/14/91: Attendance at the "**Advanced Forensic DNA Typing School**" United States Dept. of Justice, FBI Academy, Quantico, VA.

7/8/93: Invited speaker at the **Five States Judges Conference** on the topic of "DNA in Forensic Science" in Bismarck, ND sponsored by the National Judicial College.

1/8/91-1/11/91: Invited speaker on "**DNA Technology and Its Application to Forensic Science**", Judges Seminar, Nevada Judges Assoc.

1/19/94: Invited speaker at the "**Idaho State Judges Conference**", Boise, ID.

6/21/90: Invited speaker on the "**Forensic Uses of DNA Technology**" at the Nevada District Attorney's Association, Reno, NV.

5/20/98-5/22/98: Invited speaker on **STR Training Methods** at "**STRs - The Next Generation**", Florida Dept. of Law Enforcement, DNA Training Session IV.

11/16/01: Invited speaker on "**Forensic DNA**" at the **Oklahoma State Judges Conference**, Tulsa, OK.

9/11/08: Invited speaker on "**Forensic DNA Topics**" at the **North Dakota State Bench and Bar Conference**, Bismarck, ND.

<b>Selected Expert Witness Testimony to Follow</b>
--

State of **Idaho** vs. Odiaga  
Fifth Judicial District  
Offense - **Homicide**  
August, 1991

State of **Washington** vs. Johnson  
Superior Court, King County  
Offense – **Homicide**  
February, 1992

State of **Washington** vs. Jones  
Superior Court, King County  
**Frye Hearing - DNA**  
May, 1992

State of **Nevada** vs. Simmons  
Third Judicial District  
Offense – **Homicide** (PCR)  
June, 1993

State of **Nevada** vs. Robinson  
Second Judicial District  
Offense - **Assault**  
October, 1993

State of **Washington** vs. Dyer  
Superior Court, King County  
Offense - **Homicide**  
February, 1994

State of **Alaska** vs. Mercurief  
Third Judicial District  
Offense - **Sexual Assault**  
February, 1994

State of **California** vs. Wilson  
Superior Court, Mono County  
Offense - **Sexual Assault**  
May, 1994

State of **Nevada** vs. Standen  
Second Judicial District  
Offense - **Homicide** (PCR)  
October, 1994

State of **Nevada** vs. Gentry  
Fourth Judicial District  
Offense - **Sexual Assault**  
September, 1991

State of **Washington** vs. Copeland  
Superior Court, King County  
Offense - **Homicide**  
March, 1992

State of **Idaho** vs. Barajas  
Third Judicial District  
Offense - **Homicide**  
February, 1993

State of **Nevada** vs. Cortinas  
Third Judicial District  
Offense - **Sexual Assault**  
August, 1993

State of **Washington** vs. Dyer  
Superior Court, King County  
**Frye Hearing - DNA**  
November, 1993

State of **Alaska** vs. Prater  
First Judicial District  
Offense - **Sexual Assault**  
February, 1994

State of **Nevada** vs. Sears  
Second Judicial District  
Offense - **Sexual Assault** (PCR)  
April, 1994

State of **Nevada** vs. Standen  
Second Judicial District  
Offense - **Homicide** (PCR)  
September, 1994

State of **Nevada** vs. Vela  
Third Judicial District  
Offense - **Sexual Assault**  
October, 1994

State of **Nevada** vs. Gillman  
Fourth Judicial District  
Offense - **Sexual Assault**  
May, 1995

State of **Nevada** vs. Middleton  
Second Judicial District  
Offense - **Homicide** (PCR/RFLP)  
July, 1995

State of **Nevada** vs. Middleton  
Second Judicial District  
Offense - **Homicide** (PCR/RFLP)  
September, 1997

State of **Alabama** vs. Hammonds  
Twentieth Judicial Circuit  
Offense - **Homicide**  
November, 1997

State of **Nevada** vs. Honeycutt  
Eighth Judicial District  
Offense - **Sexual Assault** (STR, Identity)  
September, 1999

State of **Nevada** vs. Wheaton  
Eighth Judicial District  
Offense - **Homicide**  
December, 2000

State of **Nevada** vs. Bacon  
Eighth Judicial District  
Offense - **Sexual Assault**  
February, 2005

State of **Nevada** vs. Beltran  
Eighth Judicial District  
Offense - **Homicide**  
May, 2005

State of **Nevada** vs. Lopez  
Eighth Judicial District  
Offense - **Attempt Homicide**  
February, 2006

State of **Nevada** vs. Nika  
Second Judicial District  
Offense - **Homicide** (PCR/RFLP)  
July, 1995

State of **Alabama** vs. Dubose  
Twenty-First Judicial Circuit  
**Admissibility (Perry) Hearing - DNA**  
July, 1997

State of **Alabama** vs. Hammonds  
Twentieth Judicial Circuit  
**Admissibility (Perry) Hearing - DNA**  
October, 1997

State of **Nevada** vs. Thompson  
Eighth Judicial District  
Offense - **Homicide**  
November, 1997

State of **Nevada** vs. Murphy/Tabish  
Eighth Judicial District  
Offense - **Homicide**  
April, 2000

State of **Nevada** vs. Walker  
Eighth Judicial District  
Offense - **Homicide**  
February, 2005

State of **Nevada** vs. Johnson  
Eighth Judicial District  
Offense - **Homicide**  
April, 2005

State of **Nevada** vs. Walker  
Eighth Judicial District  
Offense - **Homicide**  
November, 2005

## PUBLICATIONS

### BOOK CHAPTERS/SYMPOSIUM PROCEEDINGS:

O'Callaghan, D.J., **B. E. Henry**, S. A. Dauenhauer, J. H. Wharton and R. A. Robinson (1979). The genomes of equine herpesvirus in Herpesvirus DNA: Studies on the organization and replication of the viral genome. Ed. Y. Becker. Marhnus Nijoff. The Hague, Netherlands.

Pagano, J. S. and **B. E. Henry** (1983). The Epstein-Barr virus: Biochemistry and relationship to human malignancy. Ed. L. Phillips. Marcel Dekker, New York, NY.

**Henry, B.E.**, Rogers, G.S., Mauterer, C., Dodd, D.K. and Hicks, J.W. (1997). Technical evaluation of data banking methods. Proceedings of the Eighth International Symposium on Human Identification. Promega Corporation. 1998

### PAPERS:

Cohen, J.D., **Henry, B.E.**, Randall, C.C. and O'Callaghan, D.J. (1978). Ribonucleotide reductase activity in hydroxyurea-resistant herpesvirus replication. Proc. Soc. Exp. Biol. Med. 155: 395-399.

**Henry, B.E.**, Glaser, R., Hewetson, J. and O'Callaghan, D.J. (1978). Altered ribonucleotide reductase activity associated with the replication of Epstein-Barr virus. Virology 89: 262-271.

Soloff, B.L., Rado, T.A., **Henry, B.E.**, and Bates, J.H. (1978). Biochemical and morphological characterization of mycobacteriophage R1. J. Virol. 25: 253-262.

**Henry, B.E.**, Newcomb, W.W. and O'Callaghan, D.J. (1979). Biological and biochemical properties of defective interfering (DI) particles of equine herpesvirus type 1 (EHV-1). Virology 92: 495-506.

Robinson, R.A., **Henry, B.E.**, Duff, R.G. and O'Callaghan, D.J. (1980). Oncogenic transformation by equine herpesvirus (EHV). I. Hamster cells transformed by UV-irradiated EHV-1. Virology 101: 335-362.

**Henry, B.E.**, Newcomb, W.W. and O'Callaghan, D.J. (1980). Alteration of viral protein synthesis and nucleocapsid production in infection with defective interfering (DI) particles of EHV-1. J. Gen. Virol. 47: 343-353.

Feighny, R.J., **Henry, B.E.**, Datta, A.K. and Pagano, J.S. (1980). Induction of DNA polymerase activity after superinfection of Raji cells with Epstein-Barr (EBV) virus. Virology 107: 415-425.

Feighny, R.J., **Henry, B.E.** and Pagano, J.S. (1980). Epstein-Barr virus polypeptides: Effect of inhibition of viral DNA replication on their synthesis. J. Virol. 37: 61-71.

Wharton, J.H., **Henry, B.E.** and O'Callaghan, D.J. (1981). Equine cytomegalovirus: Cultural characteristics and properties of the viral DNA. Virology 109: 106-119.

**Henry, B.E.**, Robinson, R.A., Dauenhauer, S.A., Atherton, S.A., Hayward, G.S. and O'Callaghan, D.J.

(1981). Structure and organization of the genome of equine herpesvirus type 1 (EHV-1). *Virology* 115: 97-114.

Feighny, R.J., **Henry, B.E.** and Pagano, J.S. (1981). Epstein-Barr virus (EBV) DNase and the reutilization of DNA degradation products in virus replication. *Virology* 115: 395-400.

**Henry, B.E.**, Raab-Traub, N. and Pagano, J.S. (1983). Detection of autonomous replicating sequences in the genome of Epstein-Barr virus. *Proc. Natl. Acad. Sci. USA.* 80: 1096-1100.

Raab-Traub, N., Hood, R., Yang, C.S., **Henry, B.E.** and Pagano, J.S. (1983). Epstein-Barr virus (EBV) transcription in nasopharyngeal carcinoma. *J. Virol.* 48: 580-590.

**Henry, B.E.**, Ota, R. and Evermann, J.F. (1986). The genetic relatedness of disease associated field isolates of bovine herpesvirus type 4 (BHV-4). *Amer. J. Vet. Res.* 47: 2242-2246.

Ablishi, D., Zompetta, C., Lease, C., Josephs, S., Balachandran, N., Komaroff, A., Krueger, G.,

**Henry, B.**, Luka, J. and Salahuddin, S. (1989). Human Herpesvirus type 6 (HHV-6) and Chronic Fatigue Immune Deficiency Syndrome (CFIDS). In: *Proceedings of the Chronic Fatigue Syndrome Workshop*. Editor: Central Public Health Laboratory, Toronto, Canada.

Josephs, S.F., **Henry, B.E.**, Balachandran, N., Strayer, D., Peterson, D., Komaroff, A.L. and Ablishi, D.V. (1991). Human Herpesvirus type 6 (HHV-6) reactivation in chronic fatigue syndrome. *Lancet.* 337: 1346-1347.

Daugherty, S.A., **Henry, B.E.**, Peterson, D.A., Swartz, R.L., Bastien, S. and Thomas, R.S. (1991). Chronic fatigue syndrome in northern Nevada. *Review of Infectious Disease.* 12: 46-50. NIH and Univ. of Pitt. Sch. of Med.

Buchwald, D., Cheney, P., Peterson, D., **Henry, B.**, Wormsley, S., Geiger, B., Ablishi, D., Salahuddin, S., Saxinger, C., Biddle, R., Kikinis, R., Jolesz, F., Folks, T., Balachandran, N., Gallo, R. and Komaroff, A. (1992). Illness characterized by fatigue, neurologic and immunologic disorders: Association with human herpesvirus type-6 (HHV-6). *Annals of Internal Medicine.* 116: 103-113.

Shipp, E., Roelofs, R., Togneri, E., Wright, R., Atkinson, D. and **Henry, B.** (1993). Effects of argon laser light, alternate light source and cyanoacrylate fuming on DNA typing of human bloodstains. *Journal of Forensic Science.* 38: 184-191.

Strayer, D., Carter, W., Strauss, K., Brodsky, I., Suhadolnik, R., Ablishi, D., **Henry, B.**, Mitchell, W., Bastien, S., and Peterson, D. (1994). Long term improvements in patients with chronic fatigue syndrome (CFIDS) treated with amplitgen. *J. Chronic Fatigue Syndrome.* 1: 35-53.

Suhadolnik, R.J., Reichenbach, N.L., Hitzges, P., Sobol, R.W., Peterson, D.L., **Henry, B.E.**, Ablishi, D.V., Carter, W.A. and Strayer, D.R. (1994). Upregulation of the 2-5A Synthetase RNase L antiviral pathway associated with chronic fatigue syndrome (CFIDS). *Clinical Infect. Diseases.* 18: 96-104.

Romero, R.L., Juston, A.C., Ballantyne, J. and **Henry, B.E.** (1997). The applicability of formalin fixed and formalin fixed paraffin embedded tissues in forensic DNA analysis. *Journal of Forensic Science* : 42: 708-714.

## ABSTRACTS: (National & International)

**Henry, B.E.**, Rado, T.A. and Bates, J.H. (1975). Characterization of nucleic acids and lipids from mycophage R1. Amer. Soc. Microbiol., New York, NY.

**Henry, B.E.**, Rado, T.A. and Bates, J.H. (1975). Morphological and biochemical characterization of mycobacteriophage R1. Amer. Can. Thoracic Soc., Montreal, Canada.

**Henry, B.E.**, Newcomb, W.M., Randall, C.C. and O'Callaghan, D.J. (1977). Biochemical characterization of DI particles of EHV-1. Amer. Soc. Micro., New Orleans, LA.

Vance, R., Robinson, R., **Henry, B.E.** and O'Callaghan, D. (1978). Herpes oncogenesis and persistence with inactive virus/DI particles. Proc. Amer. Fed. Clin. Res., New Orleans, LA.

O'Callaghan, D.J., **Henry, B.E.**, Vance, R.B., Randall, C.C. and Robinson, R.A. (1978). Transformation with DI particles of EHV-1. Inter. Herpes. Workshop, Cambridge, England.

Wharton, J.H., **Henry, B.E.** and O'Callaghan, D.J. (1978). Biological and physicochemical properties of equine cytomegaloviruses. Amer. Soc. Microbiol., Las Vegas, NV.

Robinson, R.A., **Henry, B.E.**, Vance, R.B. and O'Callaghan, D.J. (1979). Herpesvirus oncogenesis: transformation by inactive virus or DI particles. Proc. Assoc. Can. Res. 20: 139.

**Henry, B.E.**, Hayward, G.S., Dauenhauer, S.D. and O'Callaghan, D.J. (1979). Structure of the genome of equine herpesvirus type 1. Fed. Proc. 38: 814.

Vance, R.B., Robinson, R., **Henry, B.E.** and O'Callaghan, D. (1978). Clin. Res. 26: 777.

**Henry, B.E.**, Dauenhauer, S.A., Wharton, J.H. and O'Callaghan, D.J. (1979). Molecular structure of the genomes of standard virus and defective interfering (DI) particles of EHV type 1 and type 2. Proc. Inter. Herpesvirus Workshop, Cold Spring Harbor, NY.

Robinson, R.A., **Henry, B.E.** and O'Callaghan, D.J. (1979). EHV-1 DNA sequences in transformed and tumor cells. Proc. Inter. Herpesvirus Workshop, Cold Spring Harbor, NY.

Wharton, J.H., **Henry, B.E.**, Robinson, R.A. and O'Callaghan, D.J. (1980). Properties of EHV-2: DNA cleavage map. Proc. Int. Conf. Human Herpesviruses, Atlanta, GA.

Dauenhauer, S.A., Robinson, R.A., **Henry, B.E.** and O'Callaghan, D.J. (1980). Defective interfering (DI) particles of EHV-1: Genomic structure and the possible role in persistent infection and oncogenic transformation. Proc. Amer. Soc. Microbiol., Miami, FL.

**Henry, B.E.**, Feighny, R.J. and Pagano, J.S. (1980). An Epstein-Barr virus DNase activity in superinfected Raji cells. Proc. Inter. Herpesvirus Workshop, Cold Spring Harbor, NY.

Feighny, R.J., **Henry, B.E.** and Pagano, J.S. (1980). EBV proteins: Identification, synthesis, glycosylation and phosphorylation. Proc. Inter. Herpes. Workshop, Cold Spring Harbor, NY.

**Henry, B.E.**, Raab-Traub, N.J. and Pagano, J. (1982). Number and location of autonomously replicating sequences (ARS) sequences in DNA of EBV virus. Proc. Inter. Herpes. Workshop, Cold Spring Harbor, NY.



Raab-Traub, N.J., Hood, R., **Henry, B.E.**, Yang, C. and Pagano, J.S. (1983). Epstein-Barr virus (EBV) transcription in nasopharyngeal carcinoma (NPC) tissues. Proc. Inter. Herpes. Workshop, Oxford, England.

**Henry, B.E.**, Raab-Traub, N.J. and Pagano, J.S. (1983). Transfection of human cells with Epstein-Barr virus (EBV) DNA fragments autonomously replicated in yeast. Proc. Inter. Herpes Workshop, Oxford, England.

Evermann, J., Kennedy, T., Cheevers, P., **Henry, B.E.** and Barrett, D. (1985). The molecular epidemiology of Bovine Herpesvirus type 1 (BHV-1) infections. 28th Conf. of Animal Lab. Diag., Milwaukee, WI.

Evermann, J.F., **Henry, B.E.**, Kennedy, T. and Cheevers, P. (1986). Differentiation of Bovine Herpesvirus type 1 (BHV-1) and Bovine Herpesvirus type 4 (BHV-4) by restriction analysis. IV: Inter. Symp. Vet. Lab. Diag., Amsterdam, NL.

St. Jeor, S.C., Kersten, A., Ram, D. and **Henry, B.E.** (1986). Recombination of human Cytomegalovirus (CMV) DNA into the Thymidine Kinase (TK) gene of HSV-1. XI: Internat. Herpesvirus Workshop, Leeds, U.K.

Daugherty, S.A. and **Henry, B.E.** (1988). Preliminary evidence of infection with Human Herpesvirus type 6 (HHV-6) in patients with chronic fatigue syndrome (CFIDS) in Nevada. Chronic Fatigue Syndrome Workshop, Pittsburg, PA.

Brothers, A.J., Ota, R., Douglass, K. and **Henry, B.E.** (1989). Expression of proto-oncogene c-fos during Xenopus neural induction. Society for Developmental Biology, Berkeley, CA.

Shipp, E., Roelofs, R., Togneri, E., Wright, R., Atkinson, D. and **Henry, B.** (1993). Effects of fingerprint enhancement techniques on DNA analysis by restriction fragment length polymorphism and polymerase chain methods. Forensic DNA Symposium, Quantico, VA.

Stacks, B.L., Romero, R.L. and **Henry, B.E.** (1996). Potential sample sources for DNA typing methods. American Academy of Forensic Sciences, Nashville, TN.

Hicks, J.W., Rogers, G.S. and **Henry, B.E.** (1996). The Alabama convicted offender DNA database. Conference on the Human Genome Project, Tuskegee University, Tuskegee, AL.

Rogers, G., Hicks, J., Mauterer, C., Dodd, D. and **Henry, B.E.** (1997). Development of a buccal swab kit for collection of DNA database samples. Proceedings Eighth International Symposium on Human Identification, Promega Corporation. Scottsdale, AZ.