

## Resume

**Elizabeth A. Johnson, Ph.D.**  
**1534 N. Moorpark Road, No. 364**  
**Thousand Oaks, CA 91360**  
*telephone 805-553-0445*  
*circej@earthlink.net*

### **EDUCATION**

- College      BS Chemistry, cum laude  
Department of Chemistry  
Wofford College, Spartanburg, SC  
1978-1982
- Graduate      Ph.D. -- conferred July, 1987  
Department of Microbiology and Immunology  
Medical University of South Carolina, Charleston, SC  
August 1982 - July 1987
- Dissertation    *Production and characterization of a monoclonal antibody to an antigen present on subsets of natural killer cells and human tumor cells.*

### **POSITIONS HELD**

- Private Forensic Consultation May, 2003 - present
- Senior Forensic Scientist      Technical Associates, Inc.  
4125 Market Street, Suite #3  
Ventura, CA 93003  
February 1997 – May, 2003
- Director                              DNA Laboratory  
Joseph A. Jachimczyk Forensic Center  
1885 Old Spanish Trail  
Houston, TX 77054  
September 1993 - December 1996
- Supervisor                            DNA Laboratory / Serology Section  
Joseph A. Jachimczyk Forensic Center  
1885 Old Spanish Trail  
Houston, TX 77054  
April 1993 - September 1993
- Assistant  
Toxicologist                            DNA Laboratory  
Joseph A. Jachimczyk Forensic Center  
1885 Old Spanish Trail  
Houston, TX 77054  
November 1991 - April 1993
- Post-doctoral Fellow                Department of Molecular Hematology  
Advisor: Albert Deisseroth, M.D., Ph.D.  
Chairman, Department of Hematology  
M.D. Anderson Cancer Research Hospital  
Houston, TX 77030  
October 1988 - November 1991

Department of Microbiology and Immunology  
Advisor: Alfred Tsang, Ph.D.  
Medical University of South Carolina  
Charleston, SC  
September 1987 - September 1988

## **CONTINUING EDUCATION - FORENSICS**

### CLASSES and WORKSHOPS

Validation Workshop, International Symposium on Human Identification, October, 2007.

Y-STR Analysis on Forensic Casework, American Academy of Forensic Sciences, February 2004.

Expert Witness Workshop, Southwestern Working Group on DNA Analysis Methods (SWGDM), January, 2000.

Mitochondrial DNA Workshop, International Symposium on Human Identification, September, 1999.

FBI/SWGDM STR Workshop, Austin, TX, 1998.

Statistics Workshop, International Symposium on Human Identification, September, 1996, 2002.

STR Workshop, The Promega Corporation, May, 1995.

Roche Amplitype Workshop, Roche Molecular Systems, December, 1992.

Armed Forces Institute of Pathology DNA Identification Laboratory, visiting scientist to learn methods of mitochondrial DNA sequencing on aged remains, October, 1992.

Advanced Aspects of Forensic DNA Analysis (courtroom testimony), FBI Academy, June, 1992.

### CONFERENCES

International Symposium on Human Identification 1992, 1993, 1994, 1995, 1996, 1997, 1999, 2001, 2002, 2003, 2004, 2007.

American Academy of Forensic Sciences 1992, 1993, 1994, 1995, 2001, 2010.

The Future of DNA Technology, Washington, DC, 1996.

CODIS Software Symposium, Quantico, VA, 1995.

Advances in DNA Technology, Bethesda, MD, 1992.

## **OTHER INFORMATION**

### APPOINTMENTS

California Senate Rules Committee Crime Laboratory Review Task Force, appointed October, 2007.

### PROFESSIONAL SOCIETIES

Member of American Academy of Forensic Sciences

## INVITED LECTURES

Texas Criminal Defense Lawyers Association, February, 2016.

Robert Dawson Juvenile Law Conference, February, 2014.

Texas Association of Counties Fall Judicial Education Session, November, 2013.

Texas Criminal Defense Lawyers Association, October, 2013.

Texas Criminal Defense Lawyers Association, October, 2012.

Robert Dawson Juvenile Law Conference, February, 2012.

CACJ/CPDA Capital Case Defense Seminar, February, 2012.

Texas Criminal Defense Lawyers Association, November, 2011.

CAPTAP Conference, March, 2011.

Robert Dawson Juvenile Law Conference, February, 2011.

Las Vegas Federal Public Defender's DNA training, December, 2010.

Texas Criminal Defense Lawyers Association, October, 2010.

CACJ/CPDA Training Seminar, May, 2010.

Rusty Duncan Law Seminar, June, 2009.

CPDA DNA Evidence Seminar, January, 2009.

Texas Criminal Defense Lawyers Association, October, 2008.

Texas State Bar Association, July, 2008.

CACJ/CPDA Capital Case Defense Seminar, February, 2008.

Maryland Public Defender's DNA training College, 2007, 2008, 2009, 2010, 2011.

California Habeas Corpus Resource Center Spring Conference, June, 2007.

Washington State Bar Association, May, 2007.

CACJ/CPDA Capital Case Defense Seminar, February, 2007.

Texas Criminal Defense Lawyers Association, September, 2006.

Rusty Duncan Law Seminar, June, 2006.

Osgoode Professional Development Center Symposium on Forensic DNA Evidence, Toronto, Canada, April, 2006.

Third Annual Forensic Science Conference DNA Cross-Examination College, Washington, D.C., September, 2005.

Texas Criminal Defense Lawyers Association, September, 2005.

Forensic Bioinformatics 4<sup>th</sup> Annual Conference, August, 2005.

CACJ/CPDA Capital Case Defense Seminar, February, 2005.

Texas Criminal Defense Lawyers Association, August, 2004.

California Habeas Corpus Resource Center Spring Conference, May, 2004.

CACJ/CPDA Capital Case Defense Seminar, February, 2004.

Washington State Bar Association, September, 2003.

Texas Criminal Defense Lawyers Association, August, 2003.

Utah Criminal Defense Lawyers Association, April, 2003.

The Innocence Project, March, 2003.

Second Annual Texas Capital Defense Conference, October, 2002.

Guest lecturer, University of Texas Law School, Advanced Criminal Defense class, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2004, 2006.

California Public Defenders Association (CPDA), January, 2001.

Texas Criminal Defense Lawyers Association, October, 1997.

Arizona Public Defenders' Seminar, April, 1997.

The Amersham Corporation, April, 1996.

College of the Mainland, April, 1995.

Southwest Association of Toxicologists, May, 1993.

## **BIBLIOGRAPHY**

### PUBLICATIONS

1. Taylor, M.S., A. Challed-Spong, and E.A. Johnson. Co-amplification of the HLA DQ $\alpha$  and amelogenin genes: optimization and validation. *J. Forensic Sciences*, 42 (1), 1997.
2. Johnson, E., W. Henzel, and A. Deisseroth. An isoform of protein disulfide isomerase isolated from chronic myelogenous leukemia cells alters complex formation between nuclear proteins and regulatory regions of interferon-inducible genes. *J. Biol. Chem.*, 267:14412-14417, 1992.
3. Seong, D., S. Sims, E. Johnson, J. Lyding, A. Lopez, M. Garovoy, M. Talpaz, H. Kantarjian, G. Lopez-Berestein, C. Reading, and A. Deisseroth. Activation of class I HLA expression by TNF-alpha and gamma-interferon is mediated through protein kinase C - dependent pathway in CML cell lines. *British Journal of Haematology*, 78:359-367, 1991.
4. Deisseroth, A., O.M.Z. Howard, A. Wedrychowski, D. Seong, N. Paslidis, M. Romine, S. Sims, C.V. Herst, T. Yuan, K. Wu, T. Lopez and E. Johnson. Summary and Future Directions, in *Chronic Myelogenous Leukemia: Molecular Approaches to Research and Therapy*; A. Deisseroth and R. Arlinghaus, eds., 1991, pp.469-475.
5. Wedrychowski, A., D. Seong, N. Paslidis, E. Johnson, O.M.Z. Howard, S. Sims, M. Talpaz, H. Kantarjian, J. Hester, J. Turpin, G. Lopez-Berestein, J. Gutterman, E.J. Freireich and A.

Deisseroth. Characterization of nuclear proteins which bind to interferon-inducible transcriptional enhancers in hematopoietic cells. *J. Biol. Chem.*, 265:21433-21440, 1990.

6. Deisseroth, A., C.V. Herst, A. Wedrychowski, S. Sims, D. Seong, E. Johnson, T. Yuan, M. Romine, N. Paslidis, P. Gao, L. Huston, D. Claxton, S. Kornblau, H. Kantarjian, M. Talpaz and C. Reading. Future directions in molecular and genetic therapy of leukemias and solid tumors. *M.D. Anderson Cancer Bulletin*, 1990.
7. Seong, D.C., S. Sims, E. Johnson, O.M.Z. Howard, J. Hester, M. Talpaz, H. Kantarjian and A. Deisseroth. A phosphatase activity present in peripheral blood myeloid cells of CML patients but not normal individuals alters nuclear protein binding to transcriptional enhancers of interferon-inducible genes. *J. Clin. Invest.*, 86:1664-1670, 1990.
8. Warren, R.Q., E.A. Johnson, R.P. Donnelly, M.F. LaVia and K.Y. Tsang. Specificity of anti-lymphocyte antibodies in sera from patients with AIDS-related complex (ARC) and healthy homosexuals. *Clin. and Exp. Immunol.*, 73:68-73, 1988.
9. Tsang, K.Y., E.A. Johnson and M.F. LaVia. Anti-p24 antibody reactivity in Acquired Immunodeficiency Syndrome (AIDS) related complex patients treated with Isoprinosine. *Annals of Internal Medicine*, 107:595, 1988.
10. Johnson, E., L. Miribel, P. Arnaud and K.Y. Tsang. Purification of IgM monoclonal antibody from murine ascitic fluid by a two step column chromatography procedure. *Immunol. Lett.*, 14:159-165, 1987.

## ABSTRACTS

1. Ballard, K.D., R.S. Orkiszewski, P.R. DeForest, M.S. Taylor, E.A. Johnson, and L. Ragle: EDTA testing in forensics: direct derivatization for GC-MS/MS analysis and the quantity of dried bloodstain analyzed. *Proceedings of the 45th ASMS Conference on Mass Spectrometry and Allied Topics*, Palm Springs, California, June 1-5, 1997, p. 54.
2. Ballard, K.D., R.S. Orkiszewski, M.S. Taylor, E.A. Johnson, and L. Ragle. DNA typing and the determination of EDTA in forensic samples by GC-MS/MS. Presented at the Seventh International Symposium on Human Identification, Scottsdale, AZ, 1996.
3. Ballard, K.D., R.S. Orkiszewski, M.S. Taylor, E.A. Johnson, and L. Ragle. Determination of EDTA in forensic samples by capillary GC-MS and GC-MS/MS. Presented at the 44th ASMS Conference on Mass Spectrometry and Allied Topics, Portland, Oregon, 1996.
4. Stacy, T., E.A. Johnson, J. Krebsbach, S. Bowne, and R. Cotton. Chemiluminescence of forensic casework: a comparison of the hybridization and detection methods of three independent laboratories. Presented at the Sixth International Symposium on Human Identification, Scottsdale, AZ, 1995.
5. Taylor, M.S., A. Challed, and E.A. Johnson. Co-amplification of the amelogenin gene with DQ- $\alpha$  utilizing the Amplitype reaction mix and amplification protocol. Presented at the Fifth International Symposium on Human Identification, Scottsdale, AZ, 1994.
6. Taylor, M.S., A. Challed, and E.A. Johnson. Co-amplification of the amelogenin gene with DQ- $\alpha$  utilizing the Amplitype reaction mix and amplification protocol. Presented at the California Association of Criminalists spring meeting, Los Angeles, CA, 1994.
7. Johnson, E., and M. Pennington. Use of alkaline phosphatase-labeled probes and chemiluminescence detection methods for establishing an RFLP data base and analysis of forensic cases. Presented at the Fourth International Symposium on Human Identification, Scottsdale, AZ, 1993.

8. Johnson, E., W. Henzel, and A. Deisseroth. Elevated levels of phospholipase C alpha are associated with alteration of complexes formed between interferon-inducible transcriptional enhancers and nuclear proteins in cells of interferon resistant chronic myelogenous leukemia (CML) patients. Presented at the annual meeting of the American Society for Hematology, Denver, CO, 1991.
9. Johnson, E., D. Seong, A. Wedrychowski, S. Sims, M. Romine, L. Huston, R. Luttrell and A. Deisseroth. A cytoplasmic phosphatase which is elevated in CML myeloid cells alters the binding of nuclear proteins to interferon-inducible transcriptional enhancers. Presented at the annual meeting of the American Society for Hematology, Boston, MA, 1990.
10. Tsang, K.Y., E.A. Johnson, L. Bishop, M.F. La Via H.H. Fudenberg and M.Arlen. Monoclonal antibodies to human colon carcinoma-associated antigen(s). FASEB, Washington, DC (abstract no.4322), 1987.
11. Trojanowska, M., K.Y. Tsang, E.A. Johnson, L. Bishop, M. Christian and R.Q. Warren. Expression of *c-myc*, *c-myb* oncogenes and interleukin-2 receptor in human peripheral blood mononuclear cells after treatment with an immunopotentiator (isoprinosine). FASEB, Washington, DC (abstract no. 850), 1987.
12. Johnson, E.A., J. Minowada, M.F. La Via, and K.Y. Tsang. A monoclonal antibody to human NK cells is reactive with various tumor cell lines. Federation of American Societies of Experimental Biology (FASEB), Washington, DC (abstract no. 956), 1987.
13. Warren, R.Q., E.A. Johnson, R.P. Donnelly, M.F. LaVia, M.E. Christian and K.Y. Tsang. Analysis of anti-peripheral blood mononuclear cell (PBMC) antibodies in sera from AIDS, ARC, and healthy homosexuals. First Annual Conference of Clinical Immunology Society, Baltimore, MD, 1986.
14. Johnson E.A., B. Koger, M. La Via and K.Y. Tsang. A shared antigen between human natural killer (NK) cells and various tumor cells is recognized by an anti-NK monoclonal antibody. First Annual Meeting, Clinical Applications of Flow Cytometry, Charleston, SC, 1986.
15. Johnson, E.A., K.Y. Tsang, B. Koger, B. Ward, R.Q. Warren, M. La Via and H.H. Fudenberg. Production of a monoclonal antibody reactive with human natural killer cells. Federation Proceedings, 44, No. 4, 1330, 1985.