

## **Curriculum Vitae for James Jeffrey Bradstreet, MD, MD(H), FAAFP**

Florida Lic. : #0044408

Arizona MD(H) Lic: #0171

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**Present Position:** Founder and Director of Clinical Programs, ICDRC (The International Child Development Resource Center) a 501c3 not-for-profit. President and Physician at Creation's Own, Inc. I have held a Florida medical license without restriction since 1984. Arizona MD(H) License since March of 2007. There are no complaints against my licenses.

### **Education:**

College: University of South Florida, BA Natural Science, 76.

Medical School: University of South Florida College of Medicine 79.

Residency: PGY-1 & 2 Wilford Hall USAF Medical Center, Lackland AFB, Texas 79-81. OB/GYN

Post Grad: Aerospace Medicine, Brooks USAF/School of Aerospace Medicine 81. Included special training in Hyperbaric Medicine, Toxicology, ENT, Neurology, Ophthalmology and Cardiology.

### **Teaching, Research and Academic Positions:**

#### **Current Faculty**

Adjunct Professor of Child Development, Department of Pediatrics, Southwest College of Naturopathic Medicine, Tempe, Arizona

### **PAPERS & PUBLICATIONS:**

#### **Evidence of Mitochondrial Dysfunction in Autism and Implications for Treatment**

Daniel A. Rossignol, J. Jeffrey Bradstreet, Accepted. June 2007, *American Journal of Biochemistry and Biotechnology*, 4 (2): 208-217, 2008

**Spironolactone might be a desirable immunologic and hormonal intervention in autism spectrum disorders**, James Jeffrey Bradstreet, Scott Smith, Doreen Granpeesheh, Jane M. El-Dahr, and Daniel Rossignol. *Med Hypotheses*. 2007;68(5):979-87. Epub 2006 Dec 5.

**Autism: the Clinical Picture**, *NeuroToxicology*, Volume 27, Issue 6, December 2006, Abstract 20.

**Metabolic endophenotype and related genotypes are associated with oxidative stress in children with autism.** James SJ, Melnyk S, Jernigan S, Cleves MA, Halsted CH, Wong DH, Cutler P, Bock K, Boris M, Bradstreet JJ, Baker SM, Gaylor DW. *Am J Med Genet B Neuropsychiatr Genet.* 2006 Aug 17

**The Potential of a Store and Forward Tele-Behavioral Platform for Effective Treatment and Research of Autism.** R. Oberleitner, S. Laxminarayan, J. Suri, J. Harrington, J. Bradstreet. *Conf Proc IEEE Eng Med Biol Soc.* 2004;5:3294-6.

**Detection of Measles Virus Genomic RNA in Cerebrospinal Fluid in Children with Regressive Autism by TaqMan RT-PCR: A Report of Three Cases.** J.J. Bradstreet, M.D.; J. El Dahr, M.D.; A. Anthony, M.B., Ph.D.; J.J. Kartzinel, M.D.; A.J. Wakefield, M.B. *Journal of American Physicians and Surgeons*, Volume 9 Number 2 Summer 2004.

**TaqMan RT-PCR Detection of Measles Virus Genomic RNA in Cerebrospinal Fluid in Children with Regressive Autism.** *IMFAR May 2004. paper –presentation*

**Biological Evidence of Significant Vaccine Related Side-effects Resulting in Neurodevelopmental Disorders.** *Invited Paper presented and submitted to the National Academies of Science Institute of Medicine, February 9, 2004, Washington DC.*

**Case Controlled Study of Mercury Burden in Children with Autism.** Bradstreet J, et al. *Journal of American Physicians and Surgeons*, Vol.8, #3, Fall 2003.

**Serological Detection of Measles Virus in Relation to Autoimmunity in Autism, (Session 134, Paper V-5)** Singh, Jensen and Bradstreet, *102nd General Meeting of the American Society for Microbiology*, May 19-23, 2002, Salt Lake City, Utah

**“pH Mediated Inhibition of Cell to Cell Spread of Herpes Simplex Virus Infection”** Lancz GJ, Bradstreet JJ. *Arch Virol.* 1976;52(1-2):37-46.

## **FORMAL RESEARCH and CLINICAL STUDIES**

Pilot Test of Actos in Autistic Children, University of Illinois, Doug Feinstein, PhD (IRB approved) Co-researcher at one of four centers.

Double Blind, Placebo-Controlled, Crossover Trial of Oral Vancomycin in Autism, Sid Finegold PhD UCLA, Western LA-VAH, CARD and ICDRC (IRB approved)

A Double Blinded Placebo Controlled Trial of the Effect of Spironolactone on Inflammation, Oxidative Stress, and Behavioral Markers in Children with Autism. Center for Autism Related Disorders. Headquarters, Tarzana California. (IRB approved)

Chelation Therapy for Children with Autism and Elevated Atypical Urinary Porphyrins. Center for Autism Related Disorders. Headquarters, Tarzana California. (IRB approved)

Effects of Hyperbaric Oxygenation Therapy on Adaptive, Aberrant and Stereotyped Behaviors in Children with Autism. Center for Autism Related Disorders. J. Bradstreet, D. Granpeesheh and J Tarbox. Headquarters, Tarzana California. (Study nearing completion now).

Genetic Vulnerability, Mercury Exposure, and Porphyrinuria in Children with Autism. James S. Woods, Federico M. Farin, Jeffrey Bradstreet, Doreen Granpeesheh, Kenneth Bock, Dan Rossignol, Robert Nataf & L. Fernando Guerrero. Pilot Study complete second phase study awaiting funding.

The Effect of Hyperbaric Therapy on Markers of Oxidative Stress in Children with Autism: A Pilot Study, IRB Approved October 2005. [www.clinicaltrials.gov](http://www.clinicaltrials.gov)

Oral Human Immunoglobulin in Autism: A randomized phase II trial to evaluate the safety and efficacy of oral human immunoglobulin in the treatment of gastrointestinal dysfunction associated with Autistic Disorder in pediatric patients from 2 to 18 years of age. [www.clinicaltrials.gov](http://www.clinicaltrials.gov)

Genetic Polymorphisms and Antioxidant Capacity in Children with Autism, in association with Jill James, PhD University of Arkansas, Department of Pediatrics. (Published Am J Med Genet B Neuropsychiatr Genet. 2006 Dec 5;141(8):947-56.)

DMSA Treatment Study for Children with Autism and Heavy Metal Toxicity. Southwest College of Naturopathic Medicine. James Adams, Matt Baral, Jessica Mitchell, Jane El-Dahr, Vas Aposhian, J Bradstreet. (Finished, but still in final statistical analysis)

TaqMan RT-PCR Detection of Measles Virus Genomic RNA in Cerebrospinal Fluid in Children with Regressive Autism. J Bradstreet, J Kartzinel, J El-Dahr, A Wakefield, A. Anthony. (published and presented – see ref below)

Case Controlled Study of Mercury Burden in Children with Autism, Bradstreet et al Arizona State University IRB-Approved retrospective analysis of DMSA provocation urine studies for heavy metals. (published)

Double-Blind Controlled Study of the Effects of Secretin on Behavior, Serotonin and Autoimmunity in Autism 1999. Joseph Kandell, V. Singh J. Bradstreet. Neuroscience and Spine Institute, Ft Meyers. (Results part of 2001 Bradstreet Congressional Testimony).

The effects of high-dose IVIG in children with autism. 1999. (Presented Arnhem Netherlands 1999) J. Bradstreet, J, El-Dahr and V Singh.

**Previous Hospital and Privileges: (None Presently – practice limited to outpatient treatment and research)**

Wilford Hall USAF Medical Center – OB-GYN PGY 1&2 1979-81

Scott USAF Medical Center 1981-84 OB-GYN and Internal Medicine, Family Practice w/ICU-CCU and OR privileges

St. Elizabeth’s Medical Center, 1982-85 Granite City Illinois ER/ICU

Spectrum Emergency Medicine Group 1982-86

Barnes/Washington University Hospital St.Peters, MO. 1982-86 ER/ICU (Intensivist)

5<sup>th</sup> MASH Director of Emergency Services 1983

Indian River Memorial Hospital Vero Beach Florida 1984-1988 ER

Sebastian River Medical Center, Family Practice 1988-96 Family Practice

Florida Hospital, Celebration, 2004- July 2007, ICDRC Satellite Office, Outpatient Services only. No admission privileges.

**Invited Presentations:**

Biomarker Directed Algorithms for ASD Intervention, Featured Presentation, National Autism Association Annual Meeting, Atlanta, GA, November 2007.

Autism through the Lifespan: Autism Today Canada, Ottawa, Nov, 2007. Emerging and Biomarker Directed Interventions in ASD.

Defeat Autism Now! October 2007, Anaheim CA, Biomarkers in Autism: Implications for Treatment and Research

Defeat Autism Now! October 2007, Anaheim CA, Parent Forum: New and Advanced Therapies for Autism: From Hyperbarics to Homeopathy and from Chelation to Immunotherapy.

USAAA August 2007, Denver, CO. Advanced Biomedical Treatments for Autism.

Autism Society of America 38<sup>th</sup> Annual Conf, July 2007, Scottsdale, Arizona: Environmental Factors in Autism

Autism Society of America 38<sup>th</sup> Annual Conf, July 2007, Scottsdale Arizona: Biomarker Directed Interventions for ASD

Second Asian Autism Conference, Hong Kong Academy of Medicine, Hong Kong Sept, 2007. Biomarker Directed Treatment.

Advanced Biomedical Interventions for Autism, Autism One May, 2007

Investigational Treatments for Autism, DAN! April Alexandria 2007

The Role of Environmental Factors in the Pathogenesis of Autism: Phenotypes, Lab Markers, Clinical Interventions and Suggested Areas for Research. NIH – Interagency Autism Coordinating Committee Meeting, November 17, 2006

New Paradigms in Autism Research & Treatment (NPART), Commonweal Conference, November 3-5, 2006; Bolinas, California.

HBOT: Bridging Traditional Applications and Emerging Uses in Chronic Neurological Conditions, ACAM, Palm Springs, November 2, 2006.

The Best of DAN! Advanced Biomarker Directed interventions, Seattle DAN!, October 7, 2006. Harvard Maclean (CME certifying agency)

Autism: The Clinical Picture, Neurotoxicity in Development & Aging. 23rd International Neurotoxicology Conference. September 18, 2006. Little Rock, Arkansas. UAMS

The Efficacy and Safety of Hyperbaric Oxygen Therapy in the Treatment of Developmental Disabilities such as Cerebral Palsy, Traumatic Brain Injury and Autism Spectrum. CME Program sponsored by the UMDNJ/Center for Continuing Outreach and Education with joint sponsorship by the American Academy of Developmental Medicine and Dentistry. September 13, 2006.

Advances in Biomarker Driven Therapies for ASD, US Autism and Asperger Association, Inc. August 10, 2006 USAAA Conference Park City, Utah.

Autism: Evidence It Can be Treated. Florida Academy of Family Physicians, Summer CME, Orlando FL, July 29, 2006.

Advanced Biomedical Interventions for ASD. MiniDAN! Milwaukee, Wisconsin, July 15, 2006 Harvard Maclean (CME certifying agency)

Recovery is Possible with Biomedical Interventions: Autism Society of America 37<sup>th</sup> Annual Conference, Rhode Island, July 13, 2006

Biomedical Interventions for Teens and Young Adults: the Value of Persistence, May 2006. Autism One Chicago.

Recovery: Making it Happen for Your Child, May 2006, Autism One, Chicago.

Recovering from Autism, Defeat Autism Now! Harvard Maclean (CME certifying agency), March 2006.

Advances in Biomedical Recovery from Autism, NAA, National Conference, Myrtle Beach, SC. November, 2005

Nutritional Neuroscience: Having a Positive Impact on ADHD and Autism, American Dietetic Association, FCNE, St Louis MO. October 2005

Nutritional Bioscience: The Science in Support of DAN! Long Beach, CA, October, 2005

Environmental Neurodevelopmental Issues in Autism: Symposium on Autism and the Environment, NIH, August 18, 2005

Integrating Genomics into Clinical Practice, American Academy of Naturopathic Physicians, Phoenix AZ, August 19, 2005.

Heavy Metal issues in Neurodevelopment of Autism, White House Briefing for Dr Raub, Undersecretary of HHS. July 2005

Intersection of Environment and Genomic Vulnerability in Neurodevelopmental Disorders. Autism Society of America, July 17, 2005, Memphis, TN.

Nutritional Neuroscience, Pediatric Society of Cyprus, July 6, 2005.

Exploring Recent Advances in Autism Research, Autism One, Chicago, IL, June 2005.

Heavy Metal issues in Neurodevelopment of Autism, Briefing for Ken Olden, PhD, Director, NIEH. May 11, 2005.

Advanced Therapeutics of Autism Spectrum Disorder, Charlottesville, VA, NAA Conference. June 2005.

Research Grand Rounds on Autism, University of California, Davis, MIND Institute, March 2005

Recent Advances in the Therapy of Autism, BIAS Conference, Sarasota, FL, March 2005.

International Symposium on Autism, Geneva Centre, Toronto, Canada, To Treat or Not to Treat, Exploring the Biology of Autism, November 2004.

DAN! May and September 2004. State-of-the-Art Treatment of ASD

Cysteine and Glutathione Deficiency in Autism Spectrum Disorders: Genomic, Nutritional and Environmental Considerations. IAACN 13<sup>th</sup> Annual Scientific Symposium, 2004 Symposium, August 28-29, 2004.

Biological Basis of Autism Spectrum Disorders, Autism One, Chicago 2004.

Evidenced Based Interventions for ASD and ADHD, National Association of Naturopathic Physicians, Portland Oregon August 2003.

Ammonia Levels in Children with Autism, Autism One, Conference Chicago. May 2003

National Nutritional Food Association, Invited Lecture on Nutritional aspects of childhood developmental disorders. June 2003

Practitioner perspectives of autism, 2003 DAN Philadelphia

Testimony, Government Reform Committee, Subcommittee on Human Rights and Wellness, June 23, 2003. Autism Research Update from ICDRC

Course Director and Presenter, Autism Canada 2003 June Toronto.

Neuroimaging of Childhood Development Disorders, Stetson University Feb –May

Biomedical Interventions in Autism – University of Pittsburgh Feb 2003

Nutritional Perspectives on Autism, SCNM Jan 2003

Open Windows, How Biology Influences Behavior, The gut and Altered Brain Chemistry, Vaccine Issues, MMR and Beyond, Nutritional Supplements to Target Specific Symptoms, The Broken Immune System, AIA Birmingham UK, Approved for CME of Physicians and Consultants by the Royal College of Paediatrics, UK November 29 and 30, 2002

Executive Briefing provided by request: Claude Allen, Deputy Secretary of Health and Human Services June, 2002 in conjunction with Congressman Dave Weldon MD, FL

Testimony – Government Reform Committee, US Congress, June 19<sup>th</sup>, 2002, regarding the status of ICDRC research findings in ASD as it relates to measles virus and mercury.

Innovative Neuroimaging Techniques in Children with Autism, DAN May and October of 2002.

Neuroimmunobiology of Autism, Autism Society of American, Annual Conference July 17, 2002, Indianapolis IN.

Review of the Biology of Autism, Autism Society of American, Annual Conference, July 17, 2002, Indianapolis IN.

Neuroimmunobiology of Autism, Grapevine Texas, FEAT Organized Conference, CME Approved by Harvard McClean Hospital June 2-3

Course Director, University College, Dublin Ireland, Biomedical Aspects of Autism, March 21-22, 2002 (Ministry of Health Sponsored)

Course Director, (Harvard-McClean Hospital CME approved) Open Windows Autism Training Program. Jan 2002

Immunotoxicology of Autism, Paper Presented to the MIND Institute, University of California, Davis, Sept, 2001.

Relationship Between Vaccine Components and Risks of Heavy Metal Toxicity and Autoimmunity Presented to the National Academy of Sciences, Institute of Medicine, in Children With Developmental Disorders. July 14, 2001 Discussed in their proceedings NAS/IOM Vaccine Safety Committee, November 1, 2001

Cutting Edge in Autism Research, Cusi's Quest, Ft. Lauderdale September, 2001.

Pediatric Grand Rounds, Wilmington Hospital, Wilmington NC July, 2001.

The Occurrence of Autoimmune Markers in Indonesian Children with Developmental Disorders, University of Indonesia, Conference, Jarkarta, May 2001

Observations of Heavy Metals in both Urine and Blood in Children with Developmental Disorders, DAN Conference, Atlanta, Georgia, May 2001

Update on Current Research in Vaccine Related Developmental Disorders and Autism, US House of Representatives, Hearings April 24, 2001, Ref Congressional Record – Published

Occurrence of Familial Thrombophilia in Autism Spectrum Disorders, DAN October, 2000, San Diego.

Comprehensive View of the Biology of Autism, International Conference on Autism, Quebec, Canada, March 2001

The Role of Secretin and IVIG in Autism Treatment, Biological Aspects of Autism Symposium, Irvine California with Dr Sudhir Gupta, Chief of Medicine University of California – Irvine. June, 2000

Biological Aspects of Autism – HART, Hawaii Autism Conference, Kapioloni Children’s Hospital, Hawaii, April 2000

High Dose Intravenous Immunoglobulin Improves Symptoms in Children with Autism, J. Bradstreet, J. El-Dahr, V.K. Singh presented at the International Symposium on Autism, Arnhem Holland Dec 1999.

The Biology and Treatment of Autism, International Symposium on Autism, Arnhem Netherlands, Dec 1999.

The Role of Secretin in Autism, International Symposium on Autism, Arnhem Netherlands, Dec 1999.

Biological Interventions in Autism, Nova Medical School, Nov 1999

Successful Biological Treatment of Autism, 1<sup>st</sup> Annual Biological Basis of Autism Conference, Orlando Florida May 1999

Clinical Outcomes in ASD children treated with Secretin, National Institutes of Health, Marie Bristol Power chair, Presented to Committee reviewing research into ASD. May 1999.

Managing the Difficult Child, Florida Home Educators Conference 1998

### **Reviewer for Medical Journals**

*International Journal of Toxicology*, US

*Autism, an International Journal of Research and Practice*, Sage, UK

*Journal American Physicians and Surgeons*, US

### **Awards:**

Humanitarian Service Medal USAF 1983

Outstanding Student Researcher: Cancer Division - Robert Wood Johnson Foundation 1976 (Medical School)

Outstanding Student OB/GYN: South Atlantic OB/GYN Association 1979 (Medical School)

American Cancer Society Research Recognition Award 1975 (Medical School)

Phi Kappa Phi National Honor Society (USF) undergraduate.

Divine Servant Award – the Christian Care Ministry

### **Practice Experience Beyond Residency:**

Director of 1<sup>st</sup> Aeromedical Staging Facility, Scott USAF Medical Center 1981-84

Officer in Charge of Flight Medicine USAF Scott AFB 1981-84



Director, Scott USAF AFB, AFOSH Environmental Health and Safety, USAF 1982-1984 (Included Special Training in Toxicology)  
OIC Emergency Medical Services 5<sup>th</sup> MASH USA RDF 1983  
Emergency Medicine Physician, Barnes Hospital, Washington University, and St Peters Mo, and St Elizabeth's Granite City IL, Indian River Memorial Hospital, FL, Sand Lake Hospital, FL 1983-1986.  
Family Practice: 1984 to present  
Founder, Health Care Associates of Brevard, Inc. a Medical Group  
Founder, Creation's Own Inc.  
Founder, The Good News Doctor Foundation and the International Child Development Resource Center (not-for-profit) medical research and treatment for autism 1996-present  
Medical Director – Health South Comprehensive Ambulatory Rehabilitation Center 1991-94  
National Associate Medical Director, Travelers and then MetroHealth Insurance Companies 1994-97  
National Medical Advisor – United Health Care 1997-99

### **Special Activities (Past and Present)**

Researcher: Department of Medical Virology, University of South Florida College of Medicine 1974-76.  
Clinical Instructor: USAF Medical Center, Lackland AFB/Uniformed Service Medical School 1980-81  
Clinical Instructor: University of Texas Health Sciences Center, San Antonio 1980-81  
Clinical Supervisor, Scott USAF Family Practice Residency Program 1981-84  
Clinical Instructor (Externships) Tallahassee Family Practice Residency Program 1993.  
Clinical Instructor (Externship Program) Halifax Medical Center Family Practice Residency Program (1992).  
Advisor, Surgeon General MAC on Aeromedical Evacuation of Critically Ill patients 1982-84  
Advisor, Inspector General of the Air Force, Lt Gen Lief 1983. Appropriate use of aeromedical evacuation of critical patients.  
Director of Clinical Research: Autism Research Center, now ICDRC, Palm Bay and Melbourne FL 1996 – present with other offices in Florida Hospital, Celebration (until July 2007) and Phoenix, Arizona (current).  
Invited attendee: National Institute of Child Health and Human Development 1998, Secretin Research Group, Formulating the Guidelines for Secretin Research.  
Primary Researcher: USAF F-15 human systems survival and enhanced physiology protection systems for the School of Aerospace Medicine 1981-84 leading to the development of automated cockpit physiology monitoring and enhancing technology for the Strike Eagle.

**Special Training:**

ACLS, & ATLS USAF (1981-84)

ACLS 1986, 1989 and 1993

Combat Casualty Care Course: Surgery Lab USAF 1983

Orthopedic Medicine Preceptorship, Thomas Dorman 1982 (one month)

ACAM Chelation Course 2000

EEG, QEEG and Biofeedback, training, Society for Neuronal Regulation, 2000 – 2002, Joel Lubar PhD, Univ of Tennessee.

CME: exceeds requirement for Fellow > 50 hours per year as required by the American Academy of Family Physicians

**Fellow:** American Academy of Family Physicians (Current)

**Fellow,** American Back Society (Past)

**Membership and Advisory Positions**

American College of Toxicology

American Academy of Family Physicians

Florida Academy of Family Physicians

Autism Society of America – Lifetime

International Hyperbaric Association: Scientific Advisory Board

Integrative Therapeutics – Enzymatic Therapy: Scientific Advisory Board

American Association of Orthopedic Medicine (Past)

American Back Society (Past)

American Academy of Emergency Medicine (Past)

**States Licensed to Practice:**

**Current: Florida and Arizona**

Previously while in USAF (not renewed): Colorado 1984 to 1986, Illinois: 1982-1986 & Missouri: 1984 - 1986