|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Denise A. Valenti, OD, FAAO** | IMMAD Quincy, MA  deniseavalenti@gmail.com | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | MM/YY | FIELD OF STUDY | |
| Oregon State University Corvallis, OR  Oregon State University Corvallis, OR | BS  Certificate | 1979  1979 | General Science  Gerontology | |
| Southern Calif College Optometry Fullerton, CA | OD | 1984 | Doctor of Optometry | |
| University of Houston Optometry Houston, TX | Residency | 1985 | Low Vision | |
| Boston University School Medicine Boston, MA | PhD courses | 2003-2007 | Behav Neuroscience | |
| MGH/MIT/HMS Martinos Biomed Imaging Boston | Fellow | 2006 | Functional MRI | |

I am the founder and President of IMMAD, Impairment Measurement and Marijuana. The company provides services, consulting and development of technology for the responsible use of cannabis. Our educational services include medical continuing education programs specific to Alzheimer’s disease, Cognitive, PTSD, Glaucoma and Driving as it relates to cannabis. I have over three decades of experience in working with patients with sensory impairment, cognitive dysfunction, vision and age-related changes as well as the driving experience. My clinical residency emphasized driving and adaptive technologies for driving. I later began a research career specific to Alzheimer’s disease and Parkinson’s studying pharmaceutical intervention efficacy. This combined with my later research in retinal response to marijuana use bears directly to the expertise required to undertake the development of technology to detect impairment to drive with marijuana.

**EMPLOYMENT**

1978 Gerontology Intern - Oregon Lions Club Eye Bank

1979 Gerontology Intern - Oregon Commission for the Blind

1983-1984 Intern – Alaska Native American Hospital, SCCO

1983 Intern – New York Lighthouse for the Blind, SUNY College of Optometry

1984 Intern - Santa Monica Center for the Partially Sighted, SCCO

1984-1985 Resident Blind Rehabilitation, University of Houston College of Optometry

1984-1985 Instructor - Home Care, University of Houston College of Optometry

1985-1987 Instructor - Low Vision Clinic Staff, Director Home Care Services, New England College of Optometry Boston, MA

1987-1991 Assistant Professor – Ferris State University College of Optometry,

Big Rapids, MI

1987-1991 Clinic Director – Detroit Optometric Center, Ferris State University College of Optometry Teaching Clinic

1991 Associate Professor – Ferris State University College of Optometry,

Big Rapids, MI

1991-1992 Direct Clinical - Vision Care Consultation; Clinical Home Care and Blind Rehabilitation, Private Practice Boston, MA

1991-2012 Staff Optometrist part time, Harvard Vanguard Medical Associates, Boston

2002-2007 Research Associate, Department of Psychology, Boston University

2007-2009 Research Faculty Instructor, Department of Ophthalmology,

Boston University School of Medicine

2016-current IMMAD; CEO/Consultant in Vision, Aging, Cannabinoids and Neuroprocessing

2013-current Medical Content Specialist; Multibriefs

2012-2014 Founding Course Director, General Aging, Quincy College

2013-2014 Founding Course Director, Aging and Substance Abuse, Quincy College

**PATENT Pending**

2015 U.S. Application No. 62/243,933:Impairment Measurement:Mariuana and Driving

**SELECTED RECENT PROFESSIONAL ACTIVITIES**

2007 ARVO One Day Symposium: Aging, Vision and Brain: Organizer and Moderator.

2007-present National Institutes of Health ZRG1 ETTN-E 12 Small Business: Visual Systems

2007-2011 National Institutes of Health ZRG1-ETTN 92 Vision Sciences and Technology

2011 National Institutes of Health ZRG1 ETTN-B 30 Shared Instrumentation: Neuro

2011 National Institutes of Health ZRG1 ETTN-B 80 Neurotechnology

2011 Journal Alzheimer’s and Dementia Reviewer

2012-2015 National Institutes of Health BNVT Bioengineering of Neuroscience, Vision, LV

2011-present Acta Neurologica Scandinavica Reviewer

2012-present Alzheimer’s Association Grant Reviewer

2012 BiomedNeurology Reviewer

2012-present Neurodegenerative Disease Management Reviewer

2013-present Australian Journal of Ageing Reviewer

**PARTIAL LIST AWARDS**

1979 Gerontology Trainee Award: Oregon State University

1983 American Public Health Association Outstanding Student

1983-1984 Gold Key Optometric Honor Society

1984 Sam Walter Low Vision Award

2005 Fight for Sight Student Research Award

2005 Boston University Women’s Council Academic Award

2007 Woman of Vision: Review of Optometry for Contributions to Field

2005 AARP Gerontology Scholar Award: One of Twenty Nationwide

2006 Alzheimer’s Drug Discovery Foundation Outstanding Young Investigator Award

2012 Roosevelt High School Portland, Oregon Outstanding Graduate

**PUBLICATIONS**

Valenti DA: How Does Cannabis Affect Your Visual System? California Optometric Association

Magazine Jan/Feb 2016.

Valenti DA: Alzheimer's Disease, Brain Injury, American Football and IOP, California

Optometric Association Magazine California Optometry, January 2014

Valenti DA: The visual system in neurodegenerative disease, In: Visual Diagnosis and Care of

the Patient With Special Needs, 2012 Lippincott Williams & Wilkins

Valenti DA: Alzheimer's disease and glaucoma: imaging the biomarkers of neurodegenerative

disease. Int Journal of Alzheimer’s Disease. 2011 Jan 5;2010:793931. PMID: 21253485

Dougherty BE, Valenti D and Vera-Diaz FA: Abandonment of Low-Vision Devices in an

Outpatient Population. Optometry and Vision Science August 2011. PMID: 21822160.

Valenti DA: Alzheimer's disease: visual system review. Optometry 2010, 81: 12-21.

PMID: 2004873

Valenti DA: Neuroimaging of Retinal Nerve Fiber Layer in AD Using Optical Coherence

Tomography (OCT). Neurology2007; 69: 1060. PMID: 17785676

Valenti DA. Anterior Visual System and Circadian Function with Reference to Alzheimer ’s disease. In: Vision and Alzheimer’s Disease, Interdisciplinary Topics in Gerontology, vol 34, eds.: Cronin-Golomb A and Hof PR, 2004, Basel: Karger, 1-29.

DeSylvia (Valenti) DA and Klug CD: Drugs and Children: Taking Care of the Victims. Journal of the Optometric Association 1991; 62:106-112. PMID: 1583260

DeSylvia (Valenti) DA: Low Vision and Aging. Optometry and Vision Science 1990; 67: 319-322. PMID: 2195417

DeSylvia (Valenti) DA: Social Considerations in the Management of the Pediatric Low Vision Patient. In: Problems in Optometry: Patient and Practice Management of Low Vision, eds: Cole RG and Rosenthal BP, 1992; 4:155-167.

DeSylvia (Valenti) DA and Gotta D: Effectivity of the IRAS Interferometer vs the Acuity Meter in RGP Fittings of the Partially Sighted. International Contact Lens Clinic 1990; 17:35-39.

Aston S, DeSylvia (Valenti) DA and Mancil G: Gerontological Optometry – A Resource Manual for Educators. Association for Schools and Colleges of Optometry 1989.

Mancil G, DeSylvia (Valenti) and Goodrich G: At Risk and Minority Elderly – A Resource for Educators. Association for Schools and Colleges of Optometry 1990.

Aston S, DeSylvia (Valenti) DA and Mancil G: Optometric Gerontology: State of Art In Schools and Colleges of Optometry. Journal of Optometric Education. Fall 1988.

DeSylvia (Valenti) DA and Corwin TA: The Silver Pages: Are They Easier to Read? Low Vision Principles and Applications, pp. 463-470, Springer-Verlag, New York, 1987.

**PARTIAL LIST ABSTRACTS/LECTURES**

Valenti, DA: Medical Marijuana and Glaucoma: The United States Experience, Research Vision

Ophthalmology, Baltimore, MD, 2017

Valenti, DA: Acute Marijuana Use: Functional Findings of Retinal Ganglion Cell Impairment,

CannMed Cannabinoid Research Conference, Harvard University, Boston, MA 2017

Valenti DA: Marijuana and Glaucoma Carolina Cannabis Conference, Philadelphia,

PA, 2016

Valenti, DA: Keynote Lecture: Alzheimer’s, Cannabis and Cannabinoids, Nutrition and the

Eye Symposium IX, University of Missouri, St. Louis, MO, 2016

Valenti, DA: Neuropathway Imaging: Retina to Occipital Alzheimer’s, Parkinson’s and

Cannabinoids, Imaging Conference, ARVO, Seattle, WA, 2016

Valenti, DA: Performance and Detection Visual System: Cannabis Related Neuroprocessing,

Marijuana Cannabinoids: A Neuroscience Research Summit NIH, Rockland, MD, 2016

Valenti, DA: Cannabis, Cognitive Functions and Driving: The Visual System, NIH/NIDA/NIAA

Carolina Cannabinoid Conference, Rockland, MD, 2015

Valenti, DA: Neural Pathways and Optic Nerve: Dementia, Glaucoma and Injury, American

Public Health Association, Chicago, Illinois, 2015

Valenti, DA: Neuroprocessing, Visual Perception and Cognition: Cannabis, International

Cannabinoid Research Society, Halifax, NS/CA 2015

Valenti, DA: Continuing Education Lecture: Cognition and Vision Impairment,

Envision: International Low Vision Conference COPE Approved 2014

Valenti, DA: Continuing Education Lecture: Cannabis and the Visual System

Envision: International Low Vision Conference COPE Approved 2014

Valenti, DA: Alzheimer’s Disease: Functional Biomarkers FDT, Alzheimer’s

Association International Conference, Boston, MA, 2013

Valenti, DA: Alzheimer’s Disease Biomarkers in the Visual System, American Public Health

Association, Washington, DC 2011

Valenti, DA: Healthy Vision and Optimum Correction: Contributions to Safe Ambulation with Advancing Age, American Public Health Association, Washington, DC 2011

Valenti, DA: Neurologic Disease: Screening With Frequency Doubling Technology, Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL 2010

Valenti, DA: Movement Disorders: Deficits in Visual Processing as Measured by FDT,

Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL 2009

Valenti, DA: Clinical in Vivo Retinal Imaging of Probable Alzheimer’s Disease and Amyloid Pathology, Center for Integration of Medicine and Technology Conference, Boston, MA 2008

Valenti, DA: Alzheimer’s Disease: Clinical Biomarkers Identifiable During Eye Examination, Alzheimer’s Disease Biomarkers Conference, Harvard Center for Neurodegeneration and Repair, Washington, DC 2007

Valenti DA: Clinical Ophthalmologic Biomarkers of Alzheimer’s Disease, Fourth Annual Alzheimer’s Disease Research Day, Boston, MA 2006

Valenti, DA: Neuroimaging of Retinal Nerve Fiber Layer in Alzheimer’s Disease and Parkinson’s Disease Using Optical Coherence Tomography, Alzheimer’s Association Clinical Care Conference, Atlanta, GA 2006

Valenti DA: Retinal Inhibition Secondary to Methotrexate Identified with Frequency Doubling Technology. Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL 2006

Valenti DA: Vision Assessment in Neurodegenerative Disease. American Public Health Association National Conference, Philadelphia, PA 2005

Valenti DA, Cronin-Golomb A, Laudate TM: Vision Screening of Alzheimer’s Disease and Parkinson’s Disease With Frequency Doubling Technology (FDT). 57th Annual Meeting of the American Academy of Neurology, Miami, FL 2005

**RESEARCH SUPPORT and RESEARCH EXPERIENCE**

2014-2015 Development Grant: Blue Hills Community Health Alliance – EVES

Empowering Veterans Enabling Success. Project to develop educational programs targeting faculty teaching veterans. Grant Author/Lecture

2007-2009 Industry Support: Forest Laboratories – Alzheimer’s Disease Treatment Efficacy Visual System: Function and Structure. Principal Investigator

2005 Fight for Sight Fellow: Neurodegenerative Disease and Visual Function.

Principal Investigator

2004-2005 Healthy 2010: Educating African Americans with the Objective of Reducing the Risk of Vision Loss Due to Alzheimer’s Disease, Diabetes and Glaucoma. Co Author in collaboration with the Massachusetts Society of Optometrists

* 1. NIH Disability Supplement, Mentored Research/Training: Changes in Optic Nerve Fiber Layer Secondary to Alzheimer’s Disease. Parent Grant PI: R01 1AG15361.

1999 NIH External Project Brigham Women’s Hospital Boston, MA: Identification of Gene Defects That Cause Familial Dilated Cardiomyopathy. Christine Siedman, MD Principal Investigator, Role-Contributing Research Participant

1994-1998 NIH Internal Project Bethesda, Maryland: Inherited Cardiac Diseases: Hypertrophic Cardiomyopathy. Lameh Fananapazir, MD Principal Investigator, Role-Contributing Research Participant

1989 Industry Support: Mentor Ophthalmics - Effectivity of the SITE IRAS

Interferometer vs the PAM Potential Acuity Meter. Principal Investigator

1989 Industry Support: Mentor Ophthalmics - Contrast and Glare: Measured by

Brightness Acuity Test. Principal Investigator

1987-1990 Health and Human Services Administration on Aging: Optometric Gerontology Curriculum Development and Implementation Outcome. Co-Principal Investigator

1990-1992 Health and Human Services Administration on Aging: At Risk Elderly: Minorities and Old Old; Program and Curriculum Development. Co-Principal Investigator