

## BIOGRAPHICAL SKETCH

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NAME: David B. Arciniegas, MD

ERA COMMONS USER NAME: ARCINIEGAS.D

POSITION TITLE: Cooper Neuropsychiatry Scholar and Professor of Neurology, University of Colorado Anschutz Medical Campus; Clinical Professor of Psychiatry and Behavioral Sciences, University of New Mexico School of Medicine; Editor, *Journal of Neuropsychiatry and Clinical Neurosciences*

### EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date MM/YYYY	FIELD OF STUDY
University of Michigan Integrated Flexible Premedical-Medical Program, Ann Arbor, MI	B.S.	1985-1992	Biomedical Sciences, Psychology
University of Michigan Integrated Flexible Premedical-Medical Program, Ann Arbor, MI	M.D.	1988-1992	Medicine
University of Colorado School of Medicine (UC-SOM), Denver, CO	Internship	1992-1993	Community Medicine
UC-SOM, Denver, CO	Residency	1993-1996	Psychiatry
UC-SOM, Denver, CO	Fellowship	1996-1999	Neuropsychiatry & Clin Neurosci Research
Special Fellowships Program, Office of Academic Affiliations, Department of Veterans Affairs/Denver Veterans Affairs Medical Center, Denver, CO	Fellowship	1996-1999	Neurosci Research & Traumatic Brain Injury

### A. Personal Statement

I serve currently as Cooper Neuropsychiatry Scholar and Professor of Neurology and Psychiatry at the University of Colorado School of Medicine (UC-SOM) and as Clinical Professor of Psychiatry and Behavioral Sciences at the University of New Mexico School of Medicine (UNM-SOM). My academic and clinical work as a subspecialist in Behavioral Neurology & Neuropsychiatry over the last 30 years has focused principally on methods of multimodal assessment of cognitive and non-cognitive neuropsychiatric sequelae of neurological disorders, and particularly the cognitive, emotional, and behavioral sequelae of traumatic brain injury (TBI), and on the design, execution, and clinical translation of neurodiagnostic and therapeutic clinical trials in TBI, neurodegenerative diseases, and related neurological conditions.

My research is human subjects-oriented and much of it derives from analyses of data curated in the learning health systems that I developed and implemented into the clinical care and research programs that I directed at UC-SOM and HCA HealthONE Spalding Rehabilitation Hospital (both in Aurora, CO), and at the Baylor College of Medicine (BCM), and TIRR Memorial Hermann (both in Houston, TX). My work has provided me with 30 years of experience in patient-oriented program performance assessments, outcome evaluations, continuous quality improvement, clinical-research database development and harmonization, and program-, hospital-, and institution-level clinical and research ethics and professionalism. The team-based science approach employed in these programs facilitated the creative, productive, and impactful translational clinical research projects and engaged dozens of learners and junior faculty.

My work in these and related areas has been supported since 1996 by more than 40 extramurally supported research projects, including 22 federally funded research grants (including six multicenter studies, four of which are multicenter randomized controlled trials of pharmacotherapies for neuropsychiatric sequelae of TBI, on which I served as National PI/PD on the most recent one) and 16 industry-supported multicenter clinical trials (including 11 clinical trials of pharmacotherapies for Alzheimer's disease, three clinical trials of treatment for TBI-related cognitive impairments, two clinical trials of pharmacotherapies for vascular cognitive impairment for which I served as site PI, and a neurodiagnostic-focused study of magnetoencephalography (MEG) in Alzheimer's disease for which I served as National PI/PD). It also has been supported by 19 additional

educational and programmatic grants and contracts as well as several intramurally-supported research awards. It also provided me with opportunities to serve as the Medical Monitor and/or Medical Director for several of the aforementioned clinical research projects and others based elsewhere in the United States.

Relatively recent projects reflective of this body of work include:

**DoD/CDMRP HT942524-TBIPHRR-HSRA TP240146**

“Beyond Mild, Moderate, and Severe: Evaluating the Clinical, Biomarkers, Imaging, and Modifiers (CBI-M) Classification System for Traumatic Brain Injury”

09/01/2025-08/31/2029

Brenner L (PI, University of Colorado School of Medicine, Aurora, CO), Arciniegas DB (Co-Investigator)

**DoD/CDMRP W81XWH-21-TBIPHRR-TRA**

“A Prospective Observational Study on Therapeutic and Adverse Effects of Medical Cannabis for Chronic Traumatic Brain Injury”

09/15/2022-09/15/2026

Mayer A (PI, Mind Research Network, Albuquerque, NM), Arciniegas DB (Co-Investigator)

**DoD/CDMRP DoD W81XWH-21-TBIPHRR-IIRA**

“Emotional dyscontrol in Veterans with extended history of mild traumatic brain injury and upright balance control and auditory sensory processing contributions”

09/01/2022 – 08/30/2025 (in NCE)

Hebert J (PI, University of Colorado School of Medicine, Aurora, CO), Arciniegas DB (Co-Investigator)

**NIH/NINDS R01 NS126742-01**

“A Longitudinal Study of Traumatic Brain Injury in a High-Risk Population”

08/04/2022 – 08/03/2027

Kiehl KA (MPI, MIND Research Network, Albuquerque, NM), Koenigs M (MPI, University of Wisconsin-Madison, Madison, WI), Arciniegas DB (Co-Investigator)

**DHHS/NIDILRR 90DP0060**

“Multicenter Evaluation of Memory Remediation after Traumatic Brain Injury with Donepezil”

10/01/13 – 09/30/19 (completed)

Arciniegas DB (National PI/PD, TIRR Memorial Hermann/BCM, Houston, TX)

With these and other sources of support, I have authored more than 160 peer-reviewed journal articles, which have been cited collectively >12,700 times (Google Scholar h-index = 61, i10-index = 134), 42 book chapters, and >50 other scholarly works for scientific and general audiences; served as editor or associate editor on eight medical textbooks; and delivered >350 lectures to professional and lay audiences in the United States and abroad, including a dozen named lectureships and keynote addresses. For the last 10 years, I have served as Editor of the *Journal of Neuropsychiatry and Clinical Neurosciences*, and I am an editorial board member for *Journal of Head Trauma Rehabilitation* and *Brain Injury*. I recently completed my term as President of the American Neuropsychiatric Association (a 501(c)(3) organization for which I am now Immediate Past President) and my 13 years of service in the leadership of the International Brain Injury Association (also a 501(c)(3) organization which I led for two years as President of the 10<sup>th</sup> World Congress on Brain Injury, nine years as Chair and CEO, and two years as Immediate Past Chair). My research, clinical, and education endeavors recognized by multiple institutional and national awards, among them the Mitch Rosenthal Award for Scientific and Clinical Achievement in Brain Injury Rehabilitation (Virginia Commonwealth University and Brain Injury Services, Inc., 2015); the North American Brain Injury Society’s Innovative Clinical Treatment Award (2016); and the Academy of Consultation-Liaison Psychiatry’s ACLP Foundation Research Professor Award (2021). In March of 2025, the International Brain Injury Association recognized my service to, stewardship of, and leadership in the association, in partnership with Nathan Zasler, MD, through the creation of the annual [Zasler-Arciniegas Lecture](#).

I also have been actively engaged in academic program development, service delivery, and administration; education and education administration at the local, national, and international levels, including since its inception the Behavioral Neurology & Neuropsychiatry subspecialty creation, development, and growth under United Council for Neurologic Subspecialties; research program development and administration; and neuroethics and professionalism for practitioners in the clinical neurosciences and allied neurorehabilitation disciplines, particularly in my clinical and administrative roles at the University of Colorado Hospital, Colorado Mental Health Institute at Pueblo, HealthONE Spalding Rehabilitation Hospital, Baylor College of Medicine, TIRR Memorial Hermann, Midwestern Center for Mental Health, and University of New Mexico Health Sciences Center, and the Colorado Physician Health Program.

## **B. Positions, Scientific Appointments, and Honors**

### Current Professional Positions and Scientific Appointments

2024- Cooper Neuropsychiatry Scholar, Departments of Neurology and Psychiatry, UC-SOM  
2023- Professor of Neurology and Psychiatry, UC-SOM  
2023- Clinical Professor of Psychiatry and Behavioral Sciences, UNM-SOM  
2017- Clinical Professor of Psychiatry and Behavioral Sciences, Baylor College of Medicine

### Other Professional Positions and Scientific Appointments (selected)

#### *a. Current Extramural Professional Positions*

2025- Immediate Past President, American Neuropsychiatric Association  
2024- Member, Common Data Elements in Traumatic Brain Injury v3.0 Working Group, National Institutes of Neurological Disorders and Stroke  
2024- Co-Chair, Neurobehavioral Task Force, Brain Injury Interdisciplinary Special Interest Group, American Congress of Rehabilitation Medicine  
2022- Chair, Traumatic Brain Injury Special Interest Group, American Neuropsychiatric Association  
2016- Editor, *Journal of Neuropsychiatry and Clinical Neurosciences* (APA Publishing)  
2013- Editorial Board (Emeritus Member), *Journal of Head Trauma Rehabilitation* (Wolter Kluwer/LWW)  
2009- Editorial Advisory Board, *Brain Injury* (Informa Healthcare)

#### *b. Past Professional Positions and Scientific Appointments (Selected)*

##### *i) Academic Appointments*

2022-2023 Clinical Ethics Consultant, Clinical Ethics Service, UNM Health Sciences Center  
2020-2023 Senior Research Neuropsychiatrist and Professor, Psychiatry & Behavioral Sciences, UNM-SOM  
2017-2023 Clinical Professor of Neurology and Psychiatry, UC-SOM  
2017-2018 Chief Medical Officer, Midwestern Center for Mental Health (Montrose, CO)  
2015-2017 Co-Chair, Ethics Committee, TIRR Memorial Hermann  
2012-2017 Professor of Psychiatry, Neurology, and Physical Medicine & Rehabilitation (with tenure), BCM  
2008-2012 Charter Member, APDA and ZRG1 BBBP-M (60), Center for Scientific Review, Natl. Inst. of Health  
2006-2012 Associate Professor of Psychiatry and Neurology (with tenure), UC-SOM  
1999-2006 Assistant Professor of Psychiatry and Neurology, UC-SOM  
1998-1999 Instructor/Fellow in Psychiatry and Neurology, UC-SOM  
1996-1999 Instructor/Fellow in Psychiatry, UC-SOM

##### *ii) Administrative, Directorial, and Leadership Positions and Appointments*

2025- Immediate Past President, American Neuropsychiatric Association  
2023-2025 President, American Neuropsychiatric Association  
2023-2025 Immediate Past Chairman and CEO, International Brain Injury Association  
2019-2024 Director of Evaluation and Research, Marcus Institute for Brain Health, UC-AMC  
2017-2019 Director of Education, Marcus Institute for Brain Health, UC-AMC  
2014-2023 Chairman and CEO, International Brain Injury Association  
2014-2016 Vice Chair for Research, Department of Physical Medicine & Rehabilitation, BCM  
2012-2019 Senior Scientist, Brain Injury Research Center, TIRR Memorial Hermann  
2012-2017 Yudofsky Chair in Brain Injury Medicine and Executive Director, Division of Neuropsychiatry, BCM  
2012-2017 Medical Director for Brain Injury Research, TIRR Memorial Hermann  
2009, 2007 President of the Medical Staff and Chair of the Executive and Credentialing Committee, and 2006 HealthONE Spalding Rehabilitation Hospital  
2005-2006 President, Colorado Psychiatric Society  
2001-2010 Medical Director, Brain Injury Rehabilitation Unit, HealthONE Spalding Rehabilitation Hospital  
2000-2012 Director, Neuropsychiatry Service and Traumatic Brain Injury Research Program, UC-SOM  
1995-1997 Member, Board of Directors, Colorado Physician Health Program

### **Honors (selected)**

2025 Eponymous Honoree, Zasler-Arciniegas Lecture, International Brain Injury Association  
2021 ACLP Foundation Research Professor Award, Academy of Consultation-Liaison Psychiatry  
2019 Mitchell Rosenthal Award for Best Scientific Publication in 2018, NIDILRR TBI Model Systems  
2016 Innovative Clinical Treatment Award, North American Brain Injury Society  
2015 Mitch Rosenthal Award for Scientific and Clinical Achievement in Brain Injury Rehabilitation, Virginia Commonwealth University and Brain Injury Services, Inc.  
2003, 2001 22<sup>nd</sup>, 20<sup>th</sup>, and 18<sup>th</sup> (respectively) Eleanor A. Steele Award in Recognition of Inspirational Teaching and 1999 and Supervision, Residency Training Program, Department of Psychiatry, UC-SOM

2001 Total Learning Environment - Innovations in Education Award, Office of Education, University of Colorado Health Sciences Center

2000 Young Investigator Award, Brain Injury Association of America

1998 Jay Scully, M.D. Award - Teacher, Advocate, and Friend, Residency Training Program, Department of Psychiatry, University of Colorado School of Medicine

### C. Contributions to Science

**1. Phenotyping and Biotyping Cognitive and Non-Cognitive Neuropsychiatric Problems after Traumatic Brain Injury and Co-Occurring Health Conditions.** Beginning with my team's investigation of the cholinergic hypothesis of cognitive impairments due to TBI and their effects on everyday function and proceeding through multiple subsequent projects employing multimodal clinical, neuroimaging, and electrophysiologic methods, for which I have served as National PI/PD, PI, Co-I, and Consultant on multiple single-site and multicenter studies. My work in this area represents the scholarship of discovery, integration, and application. My peer-reviewed articles in this area have been cited collectively more than 5,600 times, examples of which include:

- a. **Arciniegas DB**, Adler LE, Topkoff J, Cawthra E, Filley CM, Reite ML. Attention and memory dysfunction after traumatic brain injury: cholinergic mechanisms, sensory gating, and a hypothesis for further investigation. *Brain Injury* 13(1):1-13, 1999. [PMID: 9972437](#)
- b. Kim E, Lauterbach EC, Reeve A, **Arciniegas DB**, et al. Neuropsychiatric complications of traumatic brain injury: a critical review of the literature (a report by the ANPA Committee on Research). *Journal of Neuropsychiatry & Clinical Neurosciences* 19(2):106-127, 2007. [PMID: 17431056](#)
- c. Amyot F, **Arciniegas DB**, Brazaitis MP, Curley KC, Diaz-Arrastia R, Gandjbakhche A, Herscovitch P, Hinds SR II, Manley G, Pacifico A, Razumovsky A, Riley J, Salzer W, Shih R, Smirniotopoulos JG, Stocker D. A Review of the Effectiveness of Neuroimaging Modalities for the Detection of Traumatic Brain Injury. *Journal of Neurotrauma* 32(22):1639-1721, 2015. [PMID: 26176603](#)
- d. Silverberg ND, Iverson GL; ACRM Brain Injury Special Interest Group Mild TBI Task Force and the ACRM Mild TBI Definition Expert Consensus Group (Anderson V, **Arciniegas DB**, Bayley MT, et al.), ACRM Brain Injury Special Interest Group Mild TBI Task Force Members. The American Congress of Rehabilitation Medicine Diagnostic Criteria for Mild Traumatic Brain Injury. *Archives of Physical Medicine & Rehabilitation* (Arch Phys Med Rehabil S0003-9993(23)00297-6, 2023. [PMID: 37211140](#)

**2. Clinical Trials of Pharmacotherapies and Psychosocial Interventions for the Neuropsychiatric and Neurobehavioral Sequelae of Traumatic Brain Injury and Co-Occurring Health Conditions.** My work in this area focused on the development of pharmacotherapies (e.g., cerebral cholinergic augmentation, cerebral catecholaminergic augmentation) as well as psychological and psychosocial treatments of cognitive and non-cognitive sequelae of traumatic brain injury. My work in this area includes service as a clinical trialist (i.e., study designer and leader) on federally-funded and industry-supported single-site and multicenter clinical trials, including as the National PI/PD for the recently completed "Multicenter Evaluation of Memory Remediation after Traumatic Brain Injury with Donepezil" (HHS/NIDILRR 90DP0060), as Co-I on "Randomized Controlled Trial of Acceptance and Commitment Therapy for Psychological Distress among Persons with Traumatic Brain Injury" (NIDILRR 90DP0028), and as Co-I and Executive Steering Committee Member on "Rivastigmine Patch in Veterans with Cognitive Impairment following TBI" (VHA CX000239, CCTA#0001), as well as leadership of and contributions to related systematic reviews, meta-analyses, and clinical guidelines/practice parameters. My peer-reviewed articles in this area have been cited collectively more than 1,900 times, among them including:

- a. Brawman-Mintzer O, Tang XC, Bizien M, Reda D, Harvey PD, Horner MD, **Arciniegas DB**, et al. Rivastigmine Transdermal Patch Treatment for Moderate to Severe Cognitive Impairment in Veterans with Traumatic Brain Injury (RiVET Study): A Randomized Clinical Trial. *Journal of Neurotrauma* 38(14):1943-1952, 2021. [PMID: 33514274](#)
- b. Beresford T, Schmidt B, Ronan PJ, Thumm B, Temple B, Wortzel H, Weitzenkamp D, Emrick C, Kelly J, **Arciniegas DB**. A Double-blind, Placebo-Controlled, Randomized Trial of Divalproex Sodium for Posttraumatic Irritability greater than 1 Year after Mild to Moderate Traumatic Brain injury. *Journal of Neuropsychiatry and Clinical Neurosciences* 34(3):224-232, 2022. [PMID: 35272494](#)
- c. **Arciniegas DB**, Almeida EJ, Sander AM, Bogaards JA, Giacino GT, Hammond FM, Harrison-Felix CL, Hart T, Ketchum JM, Mellick DC, Sherer M, Whyte J, Zafonte RD. Multicenter Evaluation of Memory Remediation in Traumatic Brain Injury with Donepezil: A Randomized Controlled Trial. *Journal of Neuropsychiatry and Clinical Neurosciences* 2025;37(2):102-114. [PMID: 39628282](#)
- d. **Arciniegas DB**, Seel RT, Macciocchi SP, Cifu DX, Frazier Y, Kaelin D, Katz DI, Oyesanya TO, Wagner A. Practice Guideline for Methylphenidate Use in Persons with Traumatic Brain Injury: Report of the American

Congress of Rehabilitation Medicine. Archives of Physical Medicine and Rehabilitation 2025;S0003-9993(25)01048-2. doi: 10.1016/j.apmr.2025.08.024 (online ahead of print). [PMID: 41297654](#)

**3. Assessment and Treatment of Alzheimer's Disease and Other Neurodegenerative Disorders.** In parallel and as a complement to my studies of TBI, my research has focused on cognitive disorders due to neurodegenerative diseases (e.g., Alzheimer's disease, frontotemporal lobar degeneration) and other acquired neurological conditions, including six federally-funded grants (2 R03, 2 R21, and 2 R01s), 16 industry-sponsored clinical trials, and the Orasi Medical., Inc. study "Improved Diagnosis of Alzheimer's Disease Using Magnetoencephalography (MEG) and the Synchronous Neural Interaction" (ADG-0801) on which I served as National PI. Cited collectively more than 900 times, examples of my work in this area include:

- a. Filley CM, Rollins YD, Anderson CA, **Arciniegas DB**, Howard KL, Murrell JR, Boyer PJ, Kleinschmidt-DeMasters BK, Ghetti B. The genetics of very early onset Alzheimer's disease. *Cognitive and Behavioral Neurology* 20(3):149-156, 2007. [PMID: 17846513](#)
- b. **Arciniegas DB**, Tregellas JR, Rojas DC, Hewitt B, Anderson CA. Functional imaging of hippocampal dysfunction among persons with Alzheimer's disease: a proof-of-concept study. *Neuropsychiatric Disease and Treatment* 6:779-783, 2010. [PMID: 21173885](#)
- c. Verdoorn TA, McCarten JR, **Arciniegas DB**, Golden R, Moldauer L, Georgopoulos A, Lewis S, Cassano M, Hemmy L, Orr W, Rojas D. Evaluation and tracking of Alzheimer's disease severity using resting-state magnetoencephalography. *Journal of Alzheimer's Disease Journal of Alzheimer's Disease* 26 Suppl 3:239-55, 2011. [PMID: 21971464](#)
- d. Pressman PS, Molden J, Wortzel HS, Plys E, Woodcock JH, Filley CM, **Arciniegas DB**. Psychiatric screening measures in behavioral variant frontotemporal dementia. *Journal of Neuropsychiatry and Clinical Neurology* 2024; 36(2):160-165. [PMID: 37981780](#)

**4. Forensic Aspects of Traumatic Brain Injury and Co-Occurring Conditions.** While I do not engage in medicolegal work, I have developed scholarly works evaluating the forensic implications of findings from the studies in which I have performed and/or participated as well as those from like-kind studies and related works in the extant literature. Collectively cited more than 600 times, examples of my work in this area include:

- a. Wortzel HS, **Arciniegas DB**. Amnesia and crime: a neuropsychiatric response. *Journal of the American Academy of Psychiatry and the Law* 36:218-223, 2008. [PMID: 18583698](#)
- b. Wortzel HS, **Arciniegas DB**. A forensic neuropsychiatric approach to traumatic brain injury, aggression, and suicide. *Journal of the American Academy of Psychiatry and the Law* 41(2):274-286, 2013. [PMID: 23771941](#)
- c. Wortzel HS, Brenner LA, **Arciniegas DB**. Traumatic brain injury and chronic traumatic encephalopathy: a forensic neuropsychiatric perspective. *Behavioral Sciences & the Law* 31(6):721-738, 2013. [PMID: 24019038](#)
- d. Schneider B, **Arciniegas DB**, Harenski C, Clark GJB, Kiehl KA, Koenigs M. The prevalence, characteristics, and psychiatric correlates of traumatic brain injury in incarcerated individuals: an examination in two independent samples. *Brain Injury* 35(14):1690-1701, 2022. [PMID: 35067151](#)

**5. Neuroethics and Professionalism.** In parallel and as a complement to my clinical and neurodiagnostic studies of TBI, my scholarly work over the last 25 years has included work on neuroethics (i.e., the ethical, legal, and societal implications of neuroscience as well as the neuroscience of ethical thought and behavior) as well as the implications of such work on professionalism in clinical practice, medical education and research, forensic matters, healthcare systems administration, and public policy in relation to acquired and degenerative brain disorders and idiopathic psychiatric disorders. Collectively cited more than 200 times, examples of my work in this area include:

- a. **Arciniegas DB**. Hypoxic-ischemic brain injury: addressing the disconnect between pathophysiology and public policy. *NeuroRehabilitation* 26(1):1-4, 2010. [PMID: 20130350](#)
- b. **Arciniegas DB**, Beresford TP. Managing difficult interactions with patients in neurology practices: a practical approach. *Neurology* 75(18 Suppl 1):S39-S44, 2010. [PMID: 21041770](#)
- c. Giacino JT, Whyte J, Nakase-Richardson R, Katz DI, **Arciniegas DB**, et al. Minimal Competency Recommendations for Programs that Provide Rehabilitation Services for Persons with Disorders of Consciousness: A Position Statement of the American Congress of Rehabilitation Medicine and the National Institute on Disability, Independent Living, and Rehabilitation Research Traumatic Brain Injury Model System. *Archives of Physical Medicine & Rehabilitation* 101(6):1072-1089, 2020. [PMID: 32087109](#)
- d. Wylie W, Coleman MJ, Gephardt C, **Arciniegas DB**, Whiton JK, Quinn D. C-L Case Conference: Assessment of dispositional capacity in medically complex patients. *Journal of the Academy of Consultation-Liaison Psychiatry* 2024; S2667-2960(24)00041-7. doi: 10.1016/j.jaclp.2024.03.006 (online ahead of print). [PMID: 38548229](#)