

Jonathan Fellus, M.D.

131 Madison Ave., 3rd flr; Morristown, NJ 07960

Mobile: +1 (973) 787-7402

drfellusanc@gmail.com

WORK EXPERIENCE

Founder & CMO - Advanced NeuroCare, LLC

Morristown & Flanders, NJ Dec. 2012 - July 2014; Feb. 2019-current

Fee-for-service clinical practice specializing in neuropsychopharmacological management of complex cognitive, emotional and behavioral sequelae of acquired brain injury. Also experienced in dementias, movement disorders, seizure disorders, headache, spasticity; and non-invasive, multimodal neuromodulation, QEEG, Neurofeedback

Technician & Admin Assistant - CIIT Medical Center and

Dr. James Halper MD (CIIT Feb. 2016 - June 2018)

NYC July 2014 - Jan 2019; James

Halper MD Office: +1(917) 572-0500

TMS and Neurodiagnostic/Neurotherapeutic Technician (CES, DCS, QEEG,

Neurofeedback) Administrative assistant and scribe to Neuropsychiatrist

Research/writing/literature search and material/copywriting for CIIT, a clinic in Plainview Long Island. Clinical support duties

Research Fellow - Center for Neurologic Study La Jolla, CA Jan.- May 2016 Founder/Director: Richard Smith, MD +1 (858) 455-5463

- Collaboration to prepare a major research manuscript for publication. Participated in a think-tank-style series of discussions to refine, expand, and stratify the scope of the syndrome of pseudobulbar affect (PBA).
- Designed research studies to test Nuedexta's efficacy in treating other neurologic conditions.

Co-Founder & Chief Medical Officer -Zahra, Moroccan Charity Salt Lake City, UT; 2005-Present; Co-founder Mohammed Sbia, PhD.

- Coordinating the creation of the Moulay Ali Institute for Rehabilitation in Marrakech, Morocco; Education, Training (of PT/OT staff), FundRaising; Liaison with all stakeholders; Built Neurorehabilitation Clinic treating 50+ patients/day.

Scientific Adviser (2005-2011); Chief Medical Officer (2011—2014); Chief Research Coordinator (2014-2018) International Brain Research Foundation Flanders, NJ; Supervisor: Phil Defina, Ph.D. (973) 714-2228

- Co-developed Neuromarker-driven, Neuromodulation Multimodal Clinical Care Protocol subsequently FDA-approved for \$5.7

million DOD-funded retrospective & prospective research;
Coordinated QEEG, Neurofeedback, electroceutical diagnostic/
therapeutics

**Director of Rehabilitation - Meadowlands Hosp. Medical
Center Secaucus, NJ Feb.2011–Oct. 2012 Supervisor:
Philip DeFina, Ph.D. (973) 714-2228**

- Ran 22 bed Rehab/Neurorehabilitation Unit
- Increased census from 6 to 20
- Developed Outpatient Neuromodulation Center with TMS, CES, Neurofeedback, QEEG, MEG capacity

**Kessler Institute for Rehabilitation East/West Orange, NJ
Staff Neurologist (Aug. '97-Sept. '98); Director of Brain
Injury
Services (Sept. '98-Feb. 2011). 1997- 2011 Supervisor:
Steve Kirshblum, MD +1 (973) 634-7079**

- Oversaw program with the largest U.S. brain injury in-patient rehab unit capacity (88 beds) over 3 sites
- Managed 14 in-patients
- Developed Severe Disorders of Consciousness Program & other programs
- Engaged in clinical research

- Liaison with media
- Trained PMR, Neurology, and Neurosurgery residents/medical students as well as rotating Geriatric and TBI Fellows
- Managed new and follow-up outpatients
- Co-directed Spasticity Clinic (Botox and Intrathecal Baclofen)
- Co-PI Northern New Jersey Traumatic Brain Injury Model System, 2000-2004

Kurzweil-AI Network Inc. 2016, paid consultant; reported to Ray Kurzweil's editor Amara Angelica (on LinkedIn

- **Researched up to date material for The Singularity is Nearer**
- **Provided citations**
- **Reviewed The Singularity is Near and discovered errors, particularly in graphic depictions**

RESEARCH EXPERIENCE

Director of Education and Training -2012-2018 Phil Defina, Ph.D. Chief Scientific Officer - Phase 1/2, Single-Blind, Study of Safety and Efficacy of IBRF's Advanced Care Protocol in Severe Disorders of Consciousness

Contributing Scientist & Researcher/Lecturer/Writer 2013, Randall Kaye, MD, Chief

Medical Officer, Avanir 858-472-7159; PRISM II: Safety Tolerability and Effectiveness

of NUDEXTA in PBA patients with Dementia, Stroke and Traumatic Brain Injury;

Contributing Scientist, Researcher, Lecturer, Writer, Editor 2011 - 2012

Randall Kaye

,MD Chief Medical Officer, Avanir +1 (858) 472-7159; PRISM I: A

Novel Research Tool

to Assess the Prevalence of PBA Symptoms in Different Neurological Conditions

Medical Monitor 2009—2010

Anna Barrett, MD Principal Investigator +1 (973) 941-0074 NIH/

NINDS R01NS055808;

Building a science for treatment of post-stroke Spatial Neglect.

Site Principal Investigator - 2005 Jonathan Silver, MD +1 (917)

690-9156

12-week Prospective, Double-Blind, Placebo-Controlled, Study

Evaluating the Efficacy

and Safety of Exelon 3-6mg in Patients with TBI and Persistent

Cognitive Deficits.

Site Clinical Researcher - 2005, Linnea Burmann +1 (612) 615-2027

Medtronic-Sponsored Multi-Center Trial of Intrathecal Baclofen for the

Management

of Spasticity Associated with Stroke.

Research Scientist - 2004, Elie Elovic +1 (201) 650-0415

Multi-Center, Open-Labeled Study of Safety of Repeated Doses of

Botox-Purified

Neurotoxin Complex for Treatment of Upper Limb Post-Stroke

Spasticity

Principal Investigator - 2003

Randomized, Double-Blind, Placebo-Controlled Study of C105
(Levoamphetamine)
to Improve Memory in Anterior Communicating Artery Syndrome

EDUCATION & POSTDOCTORAL MEDICAL TRAINING

- Kernan Rehabilitation Hospital; Neurorehabilitation Fellowship; Baltimore, MD July 1996-June 1997 Supervisor: Michael Makley, MD
- Pennsylvania Hospital Neurology Residency; Philadelphia, PA July 1993-June 1996 Chairman: Thomas “Mac” Bosley, MD
- Mountainside Hospital Internal Medicine; Montclair, NJ July 1992-June 1993 Residency Coordinator: Alan Matook, MD
- Robert W. Johnson Medical School; Piscataway, NJ M.D., Aug. 1988-May 1992 Robert Wood Johnson Summer Research Scholarship, Student Rep., Graduation Speaker.
- Rutgers College; New Brunswick, NJ BA (Neurobiology, Cum Laude) Sept. 1984-May 1988 Henry Rutgers Honors Program & Merit Scholarship, Phi Beta Kappa

LICENSURE:

New Jersey #MA06616400 – Expires June 30, 2023
New York #313031-01--Expires August 31, 2023

CERTIFICATIONS:

- a. Neurology Board Certified, April 1998
Recertified, March 2009 (not currently); planning
to recertify 2022
- b. Narcotics NJ-CDS-D07265400 Expires October 31,
2022
NJ-DEA-FF8290316 Expires September 30,
2024
- c. TIRF-REMS Certified (Yearly recertification)
- d. Spravato REMS Certified 2021-2022
- e. Xywav/Xyrem REMS Certified 2021-2022

UNIVERSITY APPOINTMENTS:

Clinical Assistant Professor of Neurology, UMDNJ-NJMS
Department of Neurosciences, May 1998-February 2011

HOSPITAL APPOINTMENTS:

Meadowlands Hospital Medical Center, Director of Rehabilitation
February 2011–October 2012

Kessler Institute for Rehabilitation, Staff Neurologist
August 1997–1998; Kessler Institute for Rehabilitation, Director
Brain Injury Services September 1998–February 2011

AWARDS/HONORS:

Daniel P Bohan Memorial Award
Clinician of the Year, 2011

Sean Reilly
TBI Fund Award, 2010

Inside Jersey Magazine
Best Doctors NJ (Neurology), 2009

Humanitarian Award
Paterson Federation Knights of Columbus, 2009.

Listed among “Best Doctors NY Metro Area”
New York Magazine, 2008-2011

Listed among “Best Doctors in America”
Castle Connelly, 2007-2009

Listed among “Best Doctors” for Neurology
New Jersey Monthly Magazine, 2004-2008

Chief Resident in Neurology
Pennsylvania Hospital, 1995-1996

Medical School Graduation
Student Representative Speaker, 1992 (elected by peers)

Robert Wood Johnson Research Scholarship, 1990

Phi Beta Kappa, 1988, Graduated Cum Laude Rutgers College, 1988

Henry Rutgers Merit Scholarship, 1984-1988

Dean’s List
Rutgers College, 1984-1988 (8 semesters)

BOARD OF DIRECTORS:

Board of Directors, Brain Injury Association of New Jersey

2004-2006

Advisory Board, Epilepsy Foundation of New Jersey
2000- Present

Executive Board, American Society of Neurorehabilitation 2001-2014

Chairman Fellowship Committee, American Society of
Neurorehabilitation 2002-2014

COMMITTEE ASSIGNMENTS:

Associate Project Director of Northern New Jersey Traumatic Brain
Injury Model System, Effective September 2000.

Co-Chairman of Traumatic Brain Injury Team Committee, Kessler
Institute for Rehabilitation September 2002-2011.

Executive Board, American Society of Neurorehabilitation
May 2001-2011

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

American Academy of Neurology, 1993-Present

American Society of Neurorehabilitation, 1995-Present

Brain Injury Association of New Jersey, 2004-Present

EDITORIAL BOARDS:

Guest Reviewer, Journal of Head Trauma Rehabilitation
2003-2004

Editorial Board, Neuropsychiatry of Traumatic Brain Injury
2004

GRANT HISTORY:

Co-PI of a Phase1/2, Single-Blind, Open-Label Study to Evaluate the Safety and Efficacy of the International Brain Research Foundation (IBRF) Disorders of Consciousness Advanced Care/MultiCare Intervention Protocol (ACP/MCP) in Patients with Severe Disorders of Consciousness (2011).

Medical Monitor, NIH/NINDS R01NS055808
Building a science for treatment of post-stroke spatial neglect
2009-2010, PI Anna Barrett

Advanced Brain Imaging in Traumatic Brain Injury, Number:
09.0001.BIR 2009

A 12-week Prospective, Double-Blind, Placebo-Controlled, Multi-Center Study Evaluating the Efficacy and Safety of Exelon 3-6mg in Patients with TBI and Persistent Cognitive Deficits, 2005

Medtronic-Sponsored Multi-Center Trial of Intrathecal Baclofen for the Management of Spasticity Associated with Stroke, 2005

Multi-Center, Open-Labeled Study of Safety of Repeated Doses of Botox-Purified Neurotoxin Complex for Treatment of Upper Limb Post-Stroke Spasticity, 2004

Principal Investigator. Randomized, Double-Blind, Placebo-Controlled Study of C105 (Levoamphetamine) to Improve Memory in Patients Suffering from Anterior Communicating Artery Syndrome, 2003

LECTURES

Brain Injury Association of New Jersey

At the neuropharmacological crossroads for cognitive, behavioral, and psychiatric treatment for brain injury. May 2011

Bryn Mawr Rehab TBI Conference

Functional Neuromarkers and Neuroplasticity After Brain Injury: An Integrated Multimodal Rehabilitation Approach to Assessment and Treatment, March 2011

Burke Rehabilitation Hospital

Functional Neuromarkers and Neuroplasticity After Brain Injury: An Integrated Multimodal Rehabilitation Approach to Assessment and Treatment. December 2010

California Brain Injury Conference

Functional Neuromarkers and Neuroplasticity After Brain Injury: An Integrated Multimodal Rehabilitation Approach to Assessment and Treatment. November 2010.

Hadassah Hospital. Severe Disorder of Consciousness. August 2010

Beit Lowenstein Rehabilitation Hospital. Severe Disorder of Consciousness

Hershey Rehabilitation

Functional Neuromarkers and Neuroplasticity after Brain Injury: An Integrated Multimodal Rehabilitation Approach to Assessment and Treatment. June 2010

International Brain Injury Association

Functional Neuromarkers and Neuroplasticity after Brain Injury: An Integrated Multimodal Rehabilitation Approach to Assessment and Treatment. March 2010

Avanir Pharmaceuticals, Member Speakers' Bureau. January 2010-Present

Forest Labs, Speakers' Bureau. Pharmacology of Dementia. 2004-2009

Hackensack University Medical Center, Division of Geriatrics.
Supervisor/Clinical Instructor. 2004–2010

Kessler Institute for Rehabilitation. Spasticity Management
Following Acquired Brain Injury. February 2008

New Jersey Neurological Society
Pharmacologic Management of Cognitive, Behavioral and
Psychological/Psychiatric Dysfunction Following Acquired
Brain Injury
March 2008

AAN Chicago. Ten Sequelae of TBI That You Can and
Should Address. April 2008

VA Communication. Diagnosis, Prognosis, and Treatment of
Cognitive and Behavioral Sequelae of TBI. December 2007

American Medical Rehabilitation Providers Association
Conference. Severe Disorders of Consciousness and the
Advanced Treatment Protocol. October 2007

Hackensack University Medical Center, Division of
Geriatrics. Supervisor, Clinical Instructor. 2006-2010

Brain Injury Association of New Jersey, 22nd Annual
Seminar Psychostimulant Medication to Improve Cognitive
Recovery After TBI. 2004

Allergan Speaker's Bureau, Spasticity Management for
Therapists. 2003

Predoctoral Psychology Internship Didactic Series.
Neuropsychiatric Disorders and Management. 2003

American Academy of Neurology Annual Conference
Fatigue Post-Acquired Brain Injury. April 2003.

Westchester Medical Center Outcomes of Traumatic Brain
Injury from the Prospective of Rehabilitation. September
2002.

Westchester Medical Center, Trauma Grand Rounds.
Pharmacologic Management of Post-traumatic
Neuropsychiatric and Neurobehavioral Syndromes. June
2002.

American Academy of Neurology, Annual Meeting.
Management of post-TBI Neurobehavioral Syndromes-from
Abulia to Agitation. May 2000 & May 2001.

Hackensack University Medical Center, TBI Conference.
Pharmacologic Management of Post-traumatic
Neuropsychiatric and Neurobehavioral Syndromes. March
2001

Fairleigh Dickinson University Preceptor for
Psychopharmacology Practicum. 2001–2004

Lehigh Valley Medical Center, Trauma Grand Rounds
Pharmacologic Management of Post-traumatic
Neuropsychiatric/Neurobehavioral Syndromes. October 2000

Medtronic Speaker's Bureau Intrathecal Baclofen
Management of Spasticity. 2000–present

St. Josephs Hospital Trauma Department, Grand Rounds
Speaker Cognitive and Behavioral Management of Traumatic
Brain Injury. January 2000

St. Barnabas Neurology Department, Grand Rounds Speaker
Cognitive and Behavioral Management of Traumatic Brain
Injury. October 1999

New Jersey Institute for Continuing Legal Education
Traumatic Brain Injury Rehabilitation. September 1999

Audiotape discussant Current Thinking in Treatment of
Chronic Pain; Volume 1, No.1. 1999

UMDNJ-Newark, Department of Neurosurgery, Grand
Rounds Speaker
Abulia-Clinical Spectrum and Pharmacologic Management.
November 1998

Contemporary Approaches to Managing Pain-Focus of
Myofascial Pain.
September-November 1998

Grand Rounds Speaker Anticonvulsants-Current Applications
in Neurological Conditions. January June 1998

CLINICAL AND HOSPITAL RESPONSIBILITIES:

Meadowlands Hospital Medical Center
Medical Director of Rehabilitation
February 2011-October 2012

**Kessler Institute for Rehabilitation, West Orange
Campus**
Attending Physician on Brain Injury Unit
1997-2011

Kessler Institute for Rehabilitation

Neurological Consultant
1997-2011

Lecturer for Resident Education Series

Headache, Spasticity, Pharmacological Management, Stroke,
Anoxia, Movement Disorders
1999-2010

POSTERS

American Academy of Neurology - March 2013

Zakrzewski CM, DeFina PA, Fellus JLDextromethorphan/Quinidine markedly reduces pseudobulbar affect and impulsive shopping in individuals with traumatic brain injury.

International Stroke Conference -February 2013

Fellus JL, Crumacker D, Kantor D, et al. PRISM Registry: A novel tool to assess the prevalence of pseudobulbar affect symptoms.

United States Psychiatric and Mental Health Congress -November 2012

Crumacker D, Fellus JL, Kantor D, et al. PRISM: A novel research tool to estimate the prevalence of pseudobulbar affect symptoms.

Neuroscience Education Institute Global Psychopharmacology Congress -October 2012

Kantor D, Fellus JL, Kaye RE, et al. PRISM Registry: A novel research tool to estimate the prevalence of pseudobulbar affect symptoms.

American Neurological Association-October 2012

Kantor D, Fellus JL, Kaye RE, et al. PRISM: A novel research tool to determine prevalence of pseudobulbar affect.

North American Brain Injury Society -September 2012

Zakrzewski CM, DeFina PA, Fellus JL Dystonia and spasticity after traumatic brain injury: Does treatment with intrathecal baclofen also improve comorbid paroxysmal autonomic instability?

Department of PM&R - Rutgers; 21st Annual Research Symposium, June 2010

Post-Anoxic Facial Myoclonus Triggered by Speaking but Not Singing: A Case Report. Margaret M. Donlon, MD, Jonathan Fellus, MD. <https://njms.rutgers.edu/residency/docs>

AAP Annual Meeting March 2006

CASE SERIES OF KERNOHAN-WOLTMAN SYNDROME AND DISCUSSION OF FALSE LOCALIZING SIGNS AND THE IMPORTANCE OF PHYSICAL EXAMINATION IN THE REHABILITATION SETTING Cristin McKenna MD, Jonathan Fellus MD;

AAP Annual Meeting March 2006

BACLOFEN PUMP INSERTION AND CENTRAL FEVER REGULATION IN TRAUMATIC BRAIN INJURY: CASE REPORT Kelly M. Heath, MD, Jonathan L. Fellus, MD

AAP Annual Meeting March 2006

AN INTERESTING CASE OF A CLOSED SKULL PENETRATING BRAIN INJURY James McLean, MD, Jonathan Fellus, MD

PUBLICATIONS

- **PRISM:** *A Novel Research Tool to Assess the Prevalence of Pseudobulbar Affect Symptoms...* Brooks BR, Crumacker D, Fellus J, Kantor D, Kaye RE. PLOS 1 Published 8/21/2013; Available at: (<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0072232>)

- **Dextromethorphan/Quinidine effectively manages impulsive shopping behaviors in individuals with traumatic brain injury.** *Fellus JL, Zakrzewski CM, DeFina PA. -Functional Neurology, Rehabilitation, and Ergonomics 2016 [Accepted for Publication]*
- **Dextromethorphan/Quinidine alleviates pseudobulbar affect and rapidly eliminates suicidal ideation in individuals with acquired brain injury.** *Fellus JL, DeFina PA, Zakrzewski CM. -Functional Neurology, Rehabilitation, and Ergonomics Vol. 4; No. 4; 2014*
- **Improving outcomes of severe disorders of consciousness.** *DeFina PA, Fellus J, Thompson JWG, et al. - Restorative Neurology & Neuroscience 2010; 28: 769-780*
- **The New Neuroscience Frontier: Promoting Neuroplasticity and Brain Repair in Traumatic Brain Injury.** *DeFina PA., Fellus J, Polito MZ, et al. -Clinical Neuropsychology 2009; 23: 1391-1399*
- **Post-Anoxic Facial Myoclonus Triggered by Speaking but Not Singing: A Case Report.** *Donlon MM, Fellus JL. -American Journal of Physical Medicine & Rehabilitation 2009; 1:110*
- **Endocrine Abnormalities and Fatigue After Traumatic Brain Injury.** *Elovic E, Doppalapudi HS, Miller M, DeLuca J, Masel BE, Fellus JL, Urban RJ. -Journal of Head Trauma Rehabilitation 2006; 21: 426-427*

- **An interesting case of a closed skull penetrating brain injury.**
McLean J, Fellus J. -American Journal of Physical Medicine & Rehabilitation, 2006;85:277
- **Case series of Kernohan-Woltman syndrome and discussion of false localizing signs: The importance of physical examination in the rehabilitation setting.** McKenna C, Fellus J. -*American Journal of Physical Medicine & Rehabilitation, 2006; 85:*
- **Baclofen pump insertion and central fever regulation in traumatic brain injury: Case report.** Heath KM, Fellus JL.-
American Journal of Physical Medicine & Rehabilitation, 2006; 85: 255
- **The relationship between fatigue and endocrine abnormalities in people who have sustained traumatic brain injury.**
Doppalapudi HS, Miller M, Millis S, Fellus JL, Masel BE, Urban RJ, Dunn J, Elovic EP. - American Journal of Physical Medicine & Rehabilitation, 2005;84:227
- **Cerebral Blood Flow Measurements in the Newborn Dog.**
Koons AH, Wurtzel D, Metcalf JM, Fellus J, Vannucci R, Hiatt M, Hegyi T. - Neonatology 1993; 63: 120-128.

ORAL PRESENTATIONS

American Congress for Rehabilitation Medicine/American Society for Neurorehabilitation Fellus JL, Zakrzewski CM Spectrum of disinhibition syndromes after traumatic brain injury: From pseudobulbar effect on impulsive shopping. October 2012

European Federation of Neurological Societies PRISM: A novel research tool to determine prevalence of pseudobulbar affect. September 2012

Consortium of Multiple Sclerosis Centers America's Committee for Treatment and Research in Multiple Sclerosis Kantor D, Kaye RE, Fellus JL PRISM: A novel research tool to determine prevalence of pseudobulbar affect. June 2012

MEDIA APPEARANCES (1999-2013)

Media Broadcast & Print appearances:

- CBS - (Columbia Broadcasting System) <https://cbs.com>
- ABC - (The American Broadcasting Company) <https://abc.com>
- NPR - (National Public Radio) <https://npr.org>; <https://www.npr.org/2011/01/20/133091226/Rehabilitation-Challenges-Facing-Giffords>
- Fox 5 - (WNYW Television Station NYC) <https://fox5ny.com>
- NY Times (The New York Times Company) <https://nytimes.com>
- Chicago Sun Times (Newspaper) <https://chicago.suntimes.com>
- Channel 9 - <https://channel9.msdn.com/>
- Channel 11 - (WPXI - TV, NYC) <https://wpxi.com>
- Channel 12 (News 12, TV, New Jersey) <https://newjersey.news12.com/>
- MSNBC (News-based pay television) <https://msnbc.com>

ADDITIONAL SKILLS & LANGUAGES

- Baclofen Pump management
- Botulinum toxin Injection
- Proficient in Hebrew; basic French, Italian, Spanish

RESEARCH INTERESTS

- Pharmacological Treatment of Pseudobulbar Affect
- Disinhibition/impulsivity and other Neuropsychiatric Behaviors associated with Acquired Brain Injury
- Neurorehabilitation after Traumatic Brain Injury
- Evaluation and Treatment of Severe Disorders of Consciousness including Brain Death
- Rational Polypharmacy
- Nutraceutical therapy for neurocognitive/neurobehavioral sequelae of brain injury and promoting neuro recovery/neurorestorative (plasticity); functional medicine, supplements, nootropics
- Post Neuro-Covid Syndrome diagnostic and therapeutic management
- QEEG characterization and Neurofeedback treatment of Covid19 Encephalopathy

(end of CV)