***Curriculum Vitae***

|  |  |
| --- | --- |
| **Date Prepared:** | 12/31/2023 |
| **Name:** | Benjamin Morris Greenberg |
| **Office Address:** | Aston 4 |
| **Work Phone:** | **214-645-0555** |
| **Work E-Mail:** | Benjamin.greenberg@utsouthwestern.edu |
|  |  |

**Education**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Degree  (Honors) | Field of Study  (Thesis advisor for PhDs) | Institution |
| 1997 | BA | History of Medicine | Johns Hopkins University |
| 1997 | MHS | Microbiology and Immunology | Johns Hopkins School of Public Health |
| 2001 | MD | Medicine | Baylor College of Medicine |

**Postdoctoral Training**

|  |  |  |  |
| --- | --- | --- | --- |
| Year(s) | Titles | Specialty/Discipline  (Lab PI for postdoc fellows) | Institution |
| 2002 | Intern | Internal Medicine | Rush St Lukes Presbyterian Hospital |
| 2005 | Resident | Neurology | Johns Hopkins Hospital |
| 2007 | Fellow | Neurovirology (Diane Griffin) | Johns Hopkins School of Public Health |

**Professional Development Training**

|  |  |  |
| --- | --- | --- |
| Year(s) | Course or Program, Degree if any | Institution |
|  |  |  |
|  |  |  |

**Faculty Academic Appointments**

|  |  |  |  |
| --- | --- | --- | --- |
| Year(s) | Academic Title | Department | Academic Institution |
| 2005-06 | Instructor | Neurology | Johns Hopkins School of Medicine |
| 2006-08 | Assistant Professor | Neurology | Johns Hopkins School of Medicine |
| 2009-13 | Assistant Professor | Neurology | University of Texas Southwestern |
| 2012-13 | Assistant Professor | Pediatrics | University of Texas Southwestern |
| 2013-19 | Associate Professor | Neurology | University of Texas Southwestern |
| 2013-19 | Associate Professor | Pediatrics | University of Texas Southwestern |
| 2019-present | Professor | Neurology | University of Texas Southwestern |
| 2019-present | Professor | Pediatrics | University of Texas Southwestern |

**Appointments at Hospitals/Affiliated Institutions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Past | | | | |
| Year(s) | Position Title | Department/Division | | Institution |
| 2005-08 | Attending | Neurology | | Johns Hopkins Bayview Hospital |
| 2005-08 | Attending | Neurology | | Johns Hopkins Hospital |
| 2009-14 | Attending | Neurology | | St. Paul University Hospital |
| Current | | | | |
| Year(s) | Position Title | | Department/Division | Institution |
| 2009-present | Attending | | Neurology | Zale-Lipshy Hospital |
| 2009-present | Attending | | Neurology | Parkland Hospital |
| 2009-present | Attending | | Neurology | Clements University Hospital |
| 2009-present | Attending | | Neurology | Children’s Hospital |
| 2009-present | Attending | | Neurology | Children’s Medical Center Plano |

**Other Professional Positions**

|  |  |  |
| --- | --- | --- |
| Year(s) | Position Title | Institution |
| 2004-06 | Challenge Walk Medical Director | National MS Society, Maryland Chapter |
| 2004-08 | Fire Surgeon | Baltimore County Fire Department |
| 2009-16 | Founder | Diogenix |
| 2021-present | Founder | GenrAb |
| 2023-present | Head of Medical | Clene Nanomedicine |

**Current Licensure and Certification**

Licensure

|  |  |
| --- | --- |
| Year(s) | State |
| 2004-10 | Maryland |
| 2009-present | Texas |

**Board and Other Certification**

|  |  |  |
| --- | --- | --- |
| Year(s) | Specialty | Certifying Organization |
| 2006-present | Neurology | American Board of Psychiatry and Neurology |
| 215-present | Rare Neuroimmunologic Disorders | CMSC/Rare Neuroimmunologic Disorders Board |

**Honors and Awards**

|  |  |  |
| --- | --- | --- |
| Year | Name of Honor/Award | Awarding Organization |
| 1997 | Mayor’s Citation | City of Baltimore |
| 2001 | Alpha Omega Alpha Honor Society | Baylor College of Medicine |
| 2001 | Hero of the Heart Compassionate Care | Rush St. Lukes Presbyterian Hospital |
| 2002 | Intern of the Year | Rush St. Lukes Presbyterian Hospital |
| 2004 | Service Award | National Multiple Sclerosis Society |
| 2005 | Resident Travel Award | American Academy of Neurology |
| 2005 | Guy McKhann Resident Teaching Award | Johns Hopkins Department of Neurology |
| 2008 | Frank Ford Teaching Award | Johns Hopkins Department of Neurology |
| 2009 | Physician of Distinction Award | Accelerated Cure Project |
| 2010 | Trephined Cranium Teaching Award | University of Texas Southwestern Department of Neurology |
| 2010 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2011 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2011 | Fred Baskin Young Investigator Research Award | University of Texas Southwestern Department of Neurology |
| 2012 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2013 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2014 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2014 | First Year Medical Student Best Course Award (Course Co-Director | University of Texas Southwestern |
| 2015 | First Year Medical Student Teaching Award | University of Texas Southwestern |
| 2015 | First Year Medical Student Best Course Award (Course Co-Director | University of Texas Southwestern |
| 2015 | Board of Regents Teaching Award | University of Texas |
| 2016 | Academy of Teachers Award | University of Texas Southwestern |
| 2016 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2016 | Best Doctors in Dallas | D Magazine |
| 2017 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2017 | Best Doctors in Dallas | D Magazine |
| 2018 | Best Doctors in Dallas | D Magazine |
| 2019 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2019 | Best Doctors in Dallas | D Magazine |
| 2020 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2020 | Best Doctors in Dallas | D Magazine |
| 2021 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2021 | Best Doctors in Dallas | D Magazine |
| 2022 | Second Year Medical Student Teaching Award | University of Texas Southwestern |
| 2022 | Best Doctors in Dallas | D Magazine |
| 2023 | Best Doctors in Dallas | D Magazine |

**Major Administrative/Leadership Positions**

|  |  |  |
| --- | --- | --- |
| Year(s) | Position Title | Institution |
| 2005-08 | Residency Selection Committee | Johns Hopkins Department of Neurology |
| 2006-08 | Co-Director, Transverse Myelitis Center | Johns Hopkins Department of Neurology |
| 2007-08 | Director, Encephalitis Center | Johns Hopkins Department of Neurology |
| 2007-08 | Neuroimmunology Fellowship Director | Johns Hopkins Department of Neurology |
| 2009-13 | Deputy Director, Multiple Sclerosis Program | University of Texas Southwestern Department of Neurology |
| 2009-present | Director, Transverse Myelitis and Neuromyelitis Optica Program | University of Texas Southwestern Department of Neurology |
| 2009-present | Director, Pediatric CONQUER Clinic | University of Texas Southwestern Department of Neurology |
| 2010-14 | Medical Education Committee | University of Texas Southwestern Department of Neurology |
| 2013-23 | Director, Neurosciences Translational Research Center | University of Texas Southwestern, O’Donnell Brain Institute |
| 2016-17 | Vice Chair, Ambulatory Affairs | University of Texas Southwestern Department of Neurology |
| 2016-present | Vice Chair, Translational Research | University of Texas Southwestern Department of Neurology |
| 2016-23 | Neuroimmunology Fellowship Director | University of Texas Southwestern Department of Neurology |
| 2017-22 | Neuroimmunology Section Head | University of Texas Southwestern Department of Neurology |
| 2017-21 | Vice Chair, Strategic Initiatives | University of Texas Southwestern Department of Neurology |
| 2020-22 | Behavioral Neurology Search Committee | University of Texas Southwestern Department of Neurology |
| 2020-21 | Neuroimmunology Search Committee | University of Texas Southwestern Department of Neurology |
| 2020-22 | Neurology Research Review Board | University of Texas Southwestern Department of Neurology |
| 2021-present | Sleep Medicine Search Committee Chair | University of Texas Southwestern Department of Neurology |
| 2021-present | Neurology Research Academy | University of Texas Southwestern Department of Neurology |

**Committee Service (***Member, unless noted otherwise)*

|  |  |  |
| --- | --- | --- |
| Year(s) | Name of Committee | Institution/Organization |
| University/Department | | |
| 2019-present | Biorepository Oversight Committee | University of Texas Southwestern |
| 2019 | Clinic Strategic Planning Committee | University of Texas Southwestern |
| 2020 | Clinical Research Advisory Committee | University of Texas Southwestern |
| 2020-present | Institutional Review Board | University of Texas Southwestern |
| 2021-present | Continuing Education Advisory Committee | University of Texas Southwestern |
| 2022-present | Conflict of Interest Committee | University of Texas Southwestern |
| Hospital | | |
| 2005-07 | Physician Order Entry Committee | Johns Hopkins Hospital |
| 2014-18 | Laboratory Advisory Committee | University of Texas Southwestern |
| 2017-18 | Moncrief Site Governance Committee | University of Texas Southwestern |
| State/Regional | | |
| 2005-06 | Professional Education Committee Member | National MS Society, Maryland Chapter |
| 2005-06 | Clinical Advisory Committee Member | National MS Society, Maryland Chapter |
| 2006-08 | Professional Advisory Board Co-Chair | National MS Society, Maryland Chapter |
| 2009-17 | Clinical Advisory Committee Chair | National MS Society 5 Star Region |
| 2018-present | Consortium Vice-Chair | University of Texas Health System Biorepository |
| National/International | | |
| 2005-17 | Scientific Advisory Board Member | Accelerated Cure Project |
| 2008-16 | Advisory Board Member | Guthy Jackson Charitable Foundation for NMO |
| 2010-17 | Biorepository Committee Co-Chair | NIH Office of Rare Diseases |
| 2012-17 | Member | International Pediatric Multiple Sclerosis Study Group |
| 2014-present | Member | Rare Neuroimmunological Disorders Certification Board |
| 2015-20 | Steering Committee Member | PARADIGMS Study |
| 2018-21 | Task Force Member | CDC Acute Flaccid Myelitis |
| 2018-23 | Relapse Adjudication Committee Member | PREVENT Trial |
| 2020-present | Study Steering Committee Member | OLIKOS Study |
| 2021-present | Steering Committee Member | NIH Pediatric NeuroNEXT |
| 2022-present | DSMB Member | ODYSSEY Trial |
| 2022-present | DSMB Member | Abcuro ABC008 for IBM |
| 2024-present | Nominating Committee | ACTRIMS |

**Professional Societies**

|  |  |
| --- | --- |
| Dates | Society Name, member |
| 2000-present | American Academy of Neurology, Fellow |
| 2009-present | Texas Neurological Society, Member |
| 2014-present | American Neurological Association, Fellow |

**Community Engagement**

|  |  |  |
| --- | --- | --- |
| Year(s) | Role, brief description | Organization or institution |
| 2005-present | Medical and Scientific Advisory Board Member | Siegel Rare Neuroimmune Association |

**Educational Activities**

1. Direct Teaching

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Date | Course Name, Rotation or Session Topic | Role | Number of Instruction hours | | Primary Learner Audience (number) | Department or Organization |
| Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | | |
| 2006 | Neurology Core | Lecturer | 10 | | Medical Students | Johns Hopkins |
| 2007 | Neurology Core | Lecturer | 10 | | Medical Students | Johns Hopkins |
| 2008 | Neurology Core | Lecturer | 10 | | Medical Students | Johns Hopkins |
| 2009 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2010 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2011 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2012 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2013 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2014 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2015 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2016 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2017 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2018 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2019 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2020 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2021 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2022 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| 2023 | Neurosciences | Lecturer | 8 | | Medical Students | UT Southwestern |
| Graduate Medical Education (GME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | | |
| 2006 | Anatomy and Physiology | Lecturer | 4 | | Graduate Students | Johns Hopkins School of Public Health |
| 2011 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2012 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2013 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2014 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2015 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2016 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2017 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2018 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2019 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2020 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2021 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2022 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| 2023 | Neurosciences | Lecturer | 4 | | Graduate Students | UT Southwestern Allied Health |
| Instructor in Continuing Medical Education (CME), Faculty Development, National Educational Symposia | | | | | | |
| 2/25/06 | Multiple Sclerosis: Update 2006 | | Lecturer | 2 | Physicians | Baltimore |
| 3/17/07 | New Insights Into MS Neurodegeneration and Neuroprotection | | Lecturer | 1 | Physicians | Baltimore |
| 4/27/07 | Rare Neuroimmunologic Diseases Symposium | | Lecturer | 5 | Physicians | Baltimore |
| 5/30/07 | Mastering MS: Practical Strategies for Challenging Cases | | Lecturer | 2 | Physicians | Baltimore |
| 7/25/07 | New Approaches to Modifying Neurological Disease | | Lecturer | 1 | Physicians | Baltimore |
| 9/8/07 | A Multisite Think Tank on the Challenges of Multiple Sclerosis | | Director | 4 | Physicians | Philadelphia |
| 9/29/07 | A Multisite Think Tank on the Challenges of Multiple Sclerosis | | Director | 4 | Physicians | Dallas |
| 4/26/08 | Current Issues and ongoing Challenges in MS: Neurodegeneration | | Director | 4 | Physicians | Baltimore |
| 9/27/08 | Current Issues and ongoing Challenges in MS: Neurodegeneration | | Director | 4 | Physicians | Baltimore |
| 3/7/09 | Current Issues and ongoing Challenges in MS: Neurodegeneration | | Director | 4 | Physicians | Baltimore |
| 5/1/09 | Emerging Therapeutics: AAN Multiple Sclerosis Update (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/11/10 | Emerging Therapeutics: AAN Multiple Sclerosis Update (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/12/10 | Neuroflash: Multiple Sclerosis Diagnostic Mimics (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/17/10 | Neuromyelitis Optica Update: Evaluating Subacute Myelopathies (AAN) | | Lecturer | 1 | Physicians | AAN |
| 9/24/10 | Rare Neuroimmunologic Disorders Symposium | | Director | 4 | Physicians | Dallas |
| 4/11/11 | Neuromyelitis Optica Update: Evaluating Subacute Myelopathies (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/15/11 | Emerging Therapeutics: Multiple Sclerosis Update (AAN) | | Lecturer | 1 | Physicians | AAN |
| 2/24/12 | CNS Infections: Texas Academy of Physician Assistants | | Director | 1 | Advanced Practice Providers | Dallas |
| 5/31/12 | Transverse Myelitis: Approach to Acute Care (CMSC) | | Director | 2 | Physicians | CMSC |
| 11/12/12 | Highlights of Presentations from ECTRIMS | | Lecturer | 1 | Physicians | Dallas |
| 3/17/13 | MS and Its Masquerades: Making the Diagnosis (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/20/13 | Addressing the Challenges of MS: An Interactive Workshop Series | | Lecturer | 1 | Physicians | Dallas |
| 5/30/13 | Assessing the Need to Switch Therapy in Multiple Sclerosis | | Lecturer | 1 | Physicians | Dallas |
| 5/31/13 | Neuropsychology in Multiple Sclerosis (CMSC) | | Director | 3 | Physicians | CMSC |
| 6/2013 | Patient Centered CME | | Director | 3 | Physicians | Dallas |
| 5/3/14 | MS and Its Masquerades: Making the Diagnosis (AAN) | | Lecturer | 1 | Physicians | AAN |
| 5/3/14 | Medical Myelopathies (AAN) | | Lecturer | 1 | Physicians | AAN |
| 2/22/15 | CNS Infections: Texas Academy of Physician Assistants | | Director | 2 | Advanced Practice Providers | Dallas |
| 2/24/15 | Children’s Multidisciplinary Case Conference | | Lecturer | 1 | Physicians | Dallas |
| 4/11/15 | Multiple Sclerosis Diagnosis and Treatment | | Director | 1 | Physicians | Dallas |
| 4/19/15 | MS and Its Masquerades: Making the Diagnosis (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/21/15 | Medical Myelopathies (AAN) | | Lecturer | 1 | Physicians | AAN |
| 6/27/15 | MS Think Tank | | Director | 4 | Physicians | Dallas |
| 9/12/15 | Advances in Neurology, Houston Methodist Neurosciences | | Lecturer | 1 | Physicians | Houston |
| 11/16/15 | Highlights of Presentations from ECTRIMS | | Lecturer | 2 | Physicians | Dallas |
| 4/25/16 | Myelopathies (AAN) | | Director | 3 | Physicians | AAN |
| 11/29/16 | Multiple Sclerosis Update | | Director | 3 | Physicians | Dallas |
| 9/23/17 | MS Think Tank: Managing Immunotherapies | | Director | 3 | Physicians | Dallas |
| 11/10/17 | Neurosciences for School Based Therapists | | Director | 4 | Physicians | Dallas |
| 1/16/18 | Highlights of Presentations from ECTRIMS | | Lecturer | 2 | Physicians | Dallas |
| 4/24/17 | Integrating APPs into a Neurology Practice (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/25/17 | Acute Flaccid Myelitis (AAN) | | Director | 3 | Physicians | AAN |
| 4/26/17 | Myelopathies (AAN) | | Director | 3 | Physicians | AAN |
| 5/6/19 | Myelopathies (AAN) | | Director | 3 | Physicians | AAN |
| 11/9/19 | Acute Flaccid Myelitis, Hoag Neurosciences | | Lecturer | 1 | Physicians | San Diego |
| 11/10/19 | Advances in Treatment of Multiple Sclerosis | | Lecturer | 1 | Physicians | Dallas |
| 3/29/21 | An Update on COVID-19 and MS: DMTs and COVID Vaccines | | Lecturer | 1 | Physicians | Dallas |
| 4/22/21 | Evolving Treatment Paradigms in the Management of MS | | Lecturer | 1 | Physicians | Dallas |
| 7/23/21 | Updates on NMO Spectrum Disorder | | Director | 2 | Physicians | CMSC |
| 10/28/21 | The Role of Brain Penetrant BTK Inhibitors in MS (CMSC) | | Director | 2 | Physicians | CMSC |
| 4/5/22 | Long Term Safety of Satralizumab in NMOSD (AAN) | | Lecturer | 1 | Physicians | AAN |
| 4/7/22 | Myelopathies (AAN) | | Director | 3 | Physicians | AAN |
| 6/2/22 | MS Treatments on the Horizon (CMSC) | | Director | 3 | Physicians | CMSC |
| 7/16/22 | Diagnostic Criteria in Transverse Myelitis (AAN Summer) | | Director | 3 | Physicians | AAN Summer |
| 3/14/23 | Neuromyelitis Optica Update (NANOS) | | Lecturer | 1 | Physicians | NANOS |
| 3/16/23 | Shared Decision Making in MS | | Lecturer | 1 | Physicians | Webinar |
| 6/14/23 | The Case for Specific Immunotherapy in NMOSD | | Lecturer | 1 | Physicians | Webinar |
| 10/25/23 | Multiple Sclerosis Year in Review | | Lecturer | 1 | Physicians | Dallas |

2. Curriculum Development

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Curriculum Product | Role | Purpose | Primary Learner Audience | Organization or Institution |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

3. Mentoring and Advising

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Mentee Name | Mentee Level/ Program and Institution | Role | Mentee Outcomes, Current Position |
| 2010-12 | Kyle Noll | PhD Candidate/UT Southwestern | Dissertation Committee | Assoc. Professor, Neuropsychology, MD Anderson |
| 2011-12 | Lindsay Horton | Doris Duke Fellow/UT Southwestern | Research Mentor | Assistant Professor, Neurology, UT Southwestern |
| 2012-14 | Allen DeSena | Jim Lubin Fellow/UT Southwestern | Clinical and Research Mentor | Neurologist, Syneos Health |
| 2012-14 | Angela Canas | PhD Candidate/UT Southwestern | Dissertation Committee | Assistant Professor, Psychiatry, UT Southwestern |
| 2013-15 | Benjamin Arellano | PhD Candidate/UT Southwestern | Dissertation Committee | PhD, Stem Cell Technologies |
| 2014-16 | Dilip Challa | PhD Candidate/UT Southwestern | Dissertation Committee | Senior Scientist, Alloy Therapeutics |
| 2016-18 | Ram Narayan | NMSS Fellow | Clinical and Research Mentor | Neurologist, Alegent Creighton Clinic |
| 2016-18 | Cynthia Wang | Jim Lubin Fellow/UT Southwestern | Clinical and Research Mentor | Assistant Professor, Pediatrics, UT Southwestern |
| 2016-17 | Alex Tang | PhD Candidate/UT Southwestern | Dissertation Committee |  |
| 2016-17 | Cole Hague | PhD Candidate/UT Southwestern | Dissertation Committee | PhD, Childrens National |
| 2018-20 | Peter Sguigna | NMSS Fellow | Clinical and Research Mentor | Assistant Professor, Neurology, UT Southwestern |
| 2018-20 | Kyle Blackburn | Jim Lubin Fellow/UT Southwestern | Clinical and Research Mentor | Assistant Professor, Neurology, UT Southwestern |
| 2019-20 | Lauren Tardo | NMSS Fellow | Clinical and Research Mentor | Assistant Professor, Neurology, UT Southwestern |
| 2019-21 | Molly McGetrick | Pediatric Critical Care Fellow | Research Mentor | Instructor, Texas Childrens Hospital |
| 2019-22 | Natasha Hanners | Pediatric Infectious Diseases | K08 Committee Member | Assistant Professor, Pediatrics, UT Southwestern |
| 2020-21 | Sarah Fredrick | NMSS Fellow | Clinical Mentor | Assistant Professor, Neurology, Univ. of Maryland |
| 2022-24 | Linda Nguyen | MS Fellow | Clinical and Research Mentor |  |

4. Learner Assessment Activities or Tool Development

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Session Topic | Role | Number of Evaluation Hours | Primary Learner Audience | Organization or Institution |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

5. Educational Administration and Leadership

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Title | Responsibilities | Time (FTE or hours) | Organization and Program Scope | Outcomes |
| 2013-17 | Neurosciences Course Director | Oversee MS1 Neurosciences course | 10% | UT Southwestern |  |
| 2017-23 | Neuroimmunology Fellowship Director | Oversee fellowship program for MS and Autoimmune Neurology | 10% | UT Southwestern |  |

**Grant Review Activities**

|  |  |  |
| --- | --- | --- |
| Year(s) | Name of Review Committee | Organization |
| 2007 | Study Section | Canadian Institute of Health Research |
| 2010 | Multiple Sclerosis Research Study Section | Department of Defense |
| 2012 | Orphan and Rare Disease Registry Study Section | NIH |
| 2012 | K Award Study Section | NINDS |
| 2013 | K Award Study Section | NINDS |
| 2016 | Zika Research Study Section | NINDS |
| 2021 | Study Section | French National Research Program |
| 2021 | Prodromal MS Research Review Section | National Multiple Sclerosis Society |
| 2023 | K Award Study Section | NIH |

**Editorial Activities**

|  |  |
| --- | --- |
| Year(s) | Journal Name |
| Editor/Associate Editor | |
| 2014-16 | JAMA Neurology |
| Editorial Board | |
| 2019-22 | Neuroimmunology Reports |
|  |  |
| Ad Hoc Reviewer | |
| 2010-present | European Neurology |
| 2010-present | Journal of Neurology, Neurosurgery and Psychiatry |
| 2010-present | JAMA Neurology (formerly Archives of Neurology) |
| 2010-present | The Journal of Medicine |
| 2010-present | Neurology |
| 2010-present | Annals of Neurology |
| 2010-present | Journal of Neuroimmunology |
| 2010-present | Multiple Sclerosis Journal |
| 2010-present | Brain |
| 2010-present | Annals of Clinical and Translational Neurology |
| 2010-present | Multiple Sclerosis and Related Disorders |
| 2010-present | Neurology Neuroimmunology and Neuroinflammation |

**Grant Support**

|  |  |
| --- | --- |
| Active | *Grantor:* NIH |
|  | *Title of Project:* IND-enabling studies for Aspertylglucosaminuria (AGU) to support the initiation of an AAV/AGA gene transfer clinical trial |
|  | *Role (Principal Investigator, Co-Investigator):* Co-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only):* 2023-26; $631,697 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* Preclinial Genome Editing for Rare Neurological Disease |
|  | *Role (Principal Investigator, Co-Investigator):* Co-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2023-28; $4,247,547 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* UTSW Clinical Research Site for Network Excellence in Neuroscience Clinical Trials (NeuroNext) |
|  | *Role (Principal Investigator, Co-Investigator):* Principal Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2022-24; $1,620,000 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* Contribution of plasmablasts in the conversion of transverse myelitis to multiple sclerosis |
|  | *Role (Principal Investigator, Co-Investigator):* Co-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2022-24; $2,816,935 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* A multicenter randomized controlled trial of best available therapy versus autologous hematopoietic stem cell transplant for treatment-resistant relapsing remitting multiple sclerosis, BEAT-MS. |
|  | *Role (Principal Investigator, Co-Investigator):* Site Principal-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2021-30; $500,000 |

|  |  |
| --- | --- |
| Past | *Grantor:* NMSS |
|  | *Title of Project:* Institutional Clinician Training Award |
|  | *Role (Principal Investigator, Co-Investigator):* Principal-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2016-21; $584,000 |
|  |  |
|  | *Grantor:* PCORI |
|  | *Title of Project:* CAPTURE Study: Collaborative study of the outcomes in pediatric transverse myelitis |
|  | *Role (Principal Investigator, Co-Investigator):* Principal-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2013-19; $1,500,000 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* CTSA Award |
|  | *Role (Principal Investigator, Co-Investigator):* Co-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2013-17; $500,000 |
|  |  |
|  | *Grantor:* NIH |
|  | *Title of Project:* Genetic and environmental risk factors for pediatric multiple sclerosis |
|  | *Role (Principal Investigator, Co-Investigator):* Co-Investigator |
|  | *Total amount of award (if multi-year) and dates (direct costs only)* 2012-17; $25,000 |

**Clinical Trials Activities**

|  |  |
| --- | --- |
| Present | *Grantor:* Regeneron |
|  | *Title of Project:* Study of COVID-19 Omicron Variant in an Outpatient Population |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Regeneron |
|  | *Title of Project:* Study of COVID-19 Vaccine efficacy in immunosuppressed patient populations |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Anokion |
|  | *Title of Project:* Phase 1 Study of ANK700 in patients with multiple sclerosis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* UTSW/Childrens |
|  | *Title of Project:* Phase 1, First in Human, Intrathecal Lumbar Administration of AAV9/CLN7 for treatment of CLN7 disease |
|  | *Role:* IND Holder and Principal Investigator |
|  |  |
|  | *Grantor:* UTSW and Q Therapeutics |
|  | *Title of Project:* Phase 1, First in Human, study of Q cells in transverse myelitis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* University of Texas Health System |
|  | *Title of Project:* Biorepository Consortium |
|  | *Role:* Principal Investigator |

|  |  |
| --- | --- |
| Past | *Grantor:* CDC |
|  | *Title of Project:* Acute flaccid myelitis surveillance study |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Clene Nanomedicine |
|  | *Title of Project:* REPAIR MS: Phase 1/2 study of CLENE Nanoparticle in multiple sclerosis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Clene Nanomedicine |
|  | *Title of Project:* REPAIR PD: Phase 1/2 study of CLENE Nanoparticle in Parkinson’s Disease |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Medday |
|  | *Title of Project:* Phase 3 Study of Biotin in Multiple Sclerosis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Genentech |
|  | *Title of Project:* OBOE Study of Ocrelizumab |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Acorda Therapeutics |
|  | *Title of Project:* Phase 1 study of rHigM22 study of remyelination in multiple sclerosis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Medimmune |
|  | *Title of Project:* Phase 2 study of Medi551 in NMOSD |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Chugai |
|  | *Title of Project:* Phase 2 study of SA237 in NMOSD |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Acorda Therapeutics |
|  | *Title of Project:* Phase 1 study of rHigM22 study of remyelination in multiple sclerosis |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Amplimmune |
|  | *Title of Project:* AMP-110 Clinical Trial |
|  | *Role:* Steering Committee |
|  |  |
|  | *Grantor:* Biogen |
|  | *Title of Project:* Stratify 2 Clinical Trial |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Biogen |
|  | *Title of Project:* STRIVE Clinical Trial |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Teva Neuroscience |
|  | *Title of Project:* ATP: Natalizumab Glatiramer Acetate Clinical Trial |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Guthy Jackson NMO Foundation |
|  | *Title of Project:* NMO Biorepository Trial |
|  | *Role:* Principal Investigator |
|  |  |
|  | *Grantor:* Novartis |
|  | *Title of Project:* FREEDOMS II Phase 3 Clinical Trial |
|  | *Role:* Principal Investigator |

**Invited Lectures**

|  |  |  |
| --- | --- | --- |
| Year(s) | Title | Location |
| International | | |
| 2005 | Approach to Transverse Myelitis | Apollo Hospital, Dehli India |
| 2007 | Neurologic Complications of HIV | European Neurological Society |
| 2008 | Management of CNS Infections | European Neurological Society |
| 2011 | Future Therapies in Neuromyelitis Optica | Japan NMO Research Conference |
| 2020 | Acute Flaccid Myelitis | British Pediatric Neurological Assoc. |
| 2020 | Acute Flaccid Myelitis | Birkdale Rehabilitation Conference |
| National | | |
| 2006 | Research Update | National MS Society |
| 2008 | Research Update | National MS Society |
| 2013 | Understanding Repair and Recovery After Non-Traumatic Spinal Cord Injury | Transverse Myelitis Association |
| 2013 | Children with Rare Neuroimmune-Disorders | Transverse Myelitis Association |
| 2013 | Approach to Myelitis | CMSC, Keynote Speaker |
| 2014 | Managing Bowel, Bladder and Sexual Function After Spinal Injury | Transverse Myelitis Association |
| 2014 | Understanding Autoimmunity and Rare Neuroimmune Disorders | Transverse Myelitis Association |
| 2014 | Understanding Pediatric NMO, ADEM and TM | Transverse Myelitis Association |
| 2014 | Myelitis Update | Kennedy Krieger Institute |
| 2014 | NMO: Gaps in Knowledge | Washington DC |
| 2016 | Myelitis Update | Washington University, St. Louis |
| 2016 | Multiple Sclerosis Update | Albuquerque, NM VA |
| 2016 | Diagnosing TM, NMO and ADEM | Transverse Myelitis Association |
| 2016 | Comprehensive Management of Neuropathic Pain | Transverse Myelitis Association |
| 2016 | Learning About Acute Disseminated Encephalomyelitis | Transverse Myelitis Association |
| 2016 | Understanding Types of Research in ADEM, NMOSD, TM and AFM | Transverse Myelitis Association |
| 2016 | Understanding Acute Flaccid Myelitis | Transverse Myelitis Association |
| 2017 | Building a Multidisciplinary Care Team for Complex Care | Transverse Myelitis Association |
| 2017 | How to Get the Most Out of Your Appointments | Transverse Myelitis Association |
| 2018 | Complement and NMOSD | Apellis National Complement Meeting |
| 2018 | NMOSD and the Visual System | IMSVISUAL/ACTRIMS |
| 2018 | Anti-MOG Antibody Mediated Disease | Transverse Myelitis Association |
| 2019 | Neuroimmunology of Disorders | Tourette Association of America, Keynote Speaker |
| 2019 | Update on Stem Cell Therapy for Myelitis | Johns Hopkins Myelitis Symposium |
| 2020 | Emerging MS Therapies | CMSC |
| 2020 | Acute Flaccid Myelitis Research | Johns Hopkins Myelitis Symposium |
| 2020 | Safety of NMO Therapies | Guthy Jackson NMO Meeting |
| 2021 | Acute Flaccid Myelitis Acute Care | Steele Conference on Spinal Cord |
| 2021 | COVID and Multiple Sclerosis | NMSS |
| 2022 | Update on Diagnostic Criteria for Transverse Myelitis | Siegel Rare Neuroimmune Association |
| 2022 | COVID and Multiple Sclerosis | NMSS |
| 2022 | Research Registries | Siegel Rare Neuroimmune Association |
| 2023 | Update on MOGAD Research | The MOG Project |
| 2023 | Immune Tolerance Therapies | Guthy Jackson Conference |
| 2023 | Clinical Trials in Gene Therapy | Immunology of Gene Therapy Conference |
| Regional/Local | | |
| 2005 | Multiple Sclerosis for the Internist | Johns Hopkins Bayview |
| 2006 | Multiple Sclerosis Update | Penninsular Regional Hospital |
| 2006 | CPC Grand Rounds | University of Maryland |
| 2007 | Approach to the Weak Patient | Mercy Hospital, Baltimore, MD |
| 2007 | CPC Grand Rounds | Johns Hopkins Hospital |
| 2007 | Update on Myelitis | Cooper University Hospital |
| 2007 | Multiple Sclerosis Update | Franklin Square Hospital |
| 2008 | S1P Receptors and Multiple Sclerosis | Johns Hopkins Hospital |
| 2008 | Myelitis Update | University of Texas Southwestern |
| 2010 | Pediatric Demyelinating Disease | University of Texas Southwestern |
| 2010 | Multiple Sclerosis Update | Presbyterian Hospital, Dallas, Texas |
| 2010 | The Unknown in Biorepositories | University of Texas Southwestern |
| 2011 | Improving Outcomes in Myelitis | University of Texas Southwestern |
| 2012 | NMO: A Model of its Kind | University of Texas Southwestern |
| 2012 | NMO: A Model of its Kind | Presbyterian Hospital, Dallas, Texas |
| 2013 | Myelitis Update | University of Texas Southwestern |
| 2014 | Antibody Mediated CNS Disease | Presbyterian Hospital, Dallas, Texas |
| 2017 | Multiple Sclerosis Update | Dallas, Texas VA |
| 2017 | Translational Research | University of Texas Southwestern |
| 2018 | NMO and ADEM Update | Texas Neurological Society |
| 2018 | Induction versus Escalation Therapy in MS | University of Texas Southwestern |
| 2019 | Myelitis and Acute Flaccid Myelitis | Carol Krussen Conference |
| 2021 | CPC Presentation | Methodist Hospital Dallas, Texas |
| 2021 | NMOSD Update | Texas Neurological Society |
| 2021 | Pediatric CNS Autoimmune Disease | Texas Tech Dept of Pediatrics |
| 2022 | Gene Therapy Trial Considerations | Carol Krussen Conference |
| 2023 | Neuroimmunology for Hospitalists | Parkland Hospital Grand Rounds |
| 2023 | Approach to Clinical Trials | University of Texas Southwestern |

**Technological and Other Scientific Innovations**

|  |
| --- |
| US 17.995,403 Systems and Methods to Measure Retinal Perfusion (Filed October 2022) |

**Bibliography**

**Peer-Reviewed Publications**

Original Research Articles

|  |  |
| --- | --- |
| 1. | Nguyen, L. , Miles, D. , Harder, L. , Singh, S. , Whittemore, B. , Greenberg, B. & Wang, C. (2024). Increased Intracranial Pressure in Pediatric Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease. 11. |
| 2. | Monson, N. , Smith, C. , Greenberg, H. , Plumb, P. , Guzman, A. , Tse, K. , Chen, D. , Zhang, W. , Morgan, M. , Speed, H. , Powell, C. , Batra, S. , Cowell, L. , Christley, S. , Vernino, S. , Blackburn, K. & Greenberg, B. (2023). VH2+ Antigen-Experienced B Cells in the Cerebrospinal Fluid Are Expanded and Enriched in Pediatric Anti-NMDA Receptor Encephalitis. 211, 1332-1339. |
| 3. | Nguyen, L. , Wang, C. , Conger, D. L. , Sguigna, P. , Singh, S. & Greenberg, B. (2023). Subclinical optic neuritis in pediatric myelin oligodendrocyte glycoprotein antibody-associated disease. 76. |
| 4. | Nasr, Z. , Schoeps, V. A. , Ziaei, A. , Virupakshaiah, A. , Adams, C. , Casper, T. C. , Waltz, M. , Rose, J. , Rodriguez, M. , Tillema, J. M. , Chitnis, T. , Graves, J. S. , Benson, L. , Rensel, M. , Krupp, L. , Waldman, A. T. , Weinstock-Guttman, B. , Lotze, T. , Greenberg, B. , Aaen, G. , Mar, S. , Schreiner, T. , Hart, J. , Simpson-Yap, S. , Mesaros, C. , Barcellos, L. F. & Waubant, E. (2023). Gene-environment interactions increase the risk of paediatric-onset multiple sclerosis associated with household chemical exposures. 94, 518-525. |
| 5. | Author Collaboration, U. S. N. O. P. M. S. C. , Gaudioso, C. M. , Mar, S. , Casper, T. C. , Codden, R. , Nguyen, A. , Aaen, G. , Benson, L. , Chitnis, T. , Francisco, C. , Gorman, M. P. , Goyal, M. S. , Graves, J. , Greenberg, B. , Hart, J. , Krupp, L. , Lotze, T. , Narula, S. , Pittock, S. J. , Rensel, M. , Rodriguez, M. , Rose, J. , Schreiner, T. , Tillema, J. M. , Waldman, A. , Weinstock-Guttman, B. , Wheeler, Y. , Waubant, E. & Flanagan, E. P. (2023). MOG and AQP4 Antibodies among Children with Multiple Sclerosis and Controls. 93, 271-284. |
| 6. | Sguigna, P. , Toranian, S. , Tardo, L. M. , Blackburn, K. , Horton, L. , Conger, D. , Meltzer, E. , Hogan, N. , McCreary, M. , Zee, P. C. , Takahashi, J. & Greenberg, B. (2023). Disease associations of excessive daytime sleepiness in multiple sclerosis. 9. |
| 7. | Ren, J. , Yu, F. F. & Greenberg, B. (2023). ATP line splitting in association with reduced intracellular magnesium and pH. 36. |
| 8. | Horton, M. K. , Shim, J. E. , Wallace, A. , Graves, J. S. , Aaen, G. , Greenberg, B. , Mar, S. , Wheeler, Y. , Weinstock-Guttman, B. , Waldman, A. , Schreiner, T. , Rodriguez, M. , Tillema, J. M. , Chitnis, T. , Krupp, L. , Casper, T. C. , Rensel, M. , Hart, J. , Quach, H. L. , Quach, D. L. , Schaefer, C. , Waubant, E. & Barcellos, L. F. (2023). Rare and low-frequency coding genetic variants contribute to pediatric-onset multiple sclerosis. 29, 505-511. |
| 9. | Shinoda, K. , Li, R. , Rezk, A. , Mexhitaj, I. , Patterson, K. R. , Kakara, M. , Zuroff, L. , Bennett, J. L. , von Büdingen, H. C. , Carruthers, R. , Edwards, K. R. , Fallis, R. , Giacomini, P. S. , Greenberg, B. , Hafler, D. A. , Ionete, C. , Kaunzner, U. W. , Lock, C. B. , Longbrake, E. E. , Pardo, G. , Piehl, F. , Weber, M. S. , Ziemssen, T. , Jacobs, D. , Gelfand, J. M. , Cross, A. H. , Cameron, B. , Musch, B. , Winger, R. C. , Jia, X. , Harp, C. T. , Herman, A. & Bar-Ora, A. (2023). Differential effects of anti-CD20 therapy on CD4 and CD8 T cells and implication of CD20-expressing CD8 T cells in MS disease activity. 120. |
| 10. | Vanarsa, K. , Sasidharan, P. , Duran, V. , Gokaraju, S. , Nidhi, M. , Titus, A. S. C. L. S. , Soomro, S. , Stock, A. D. , Der, E. , Putterman, C. , Greenberg, B. , Mok, C. C. , Hanly, J. G. & Mohan, C. (2022). Aptamer-Based Screen of Neuropsychiatric Lupus Cerebrospinal Fluid Reveals Potential Biomarkers That Overlap With the Choroid Plexus Transcriptome. 74, 1223-1234. |
| 11. | Yamamura, T. , Weinshenker, B. , Yeaman, M. R. , De Seze, J. , Patti, F. , Lobo, P. , von Büdingen, H. C. , Kou, X. , Weber, K. & Greenberg, B. (2022). Long-term safety of satralizumab in neuromyelitis optica spectrum disorder (NMOSD) from SAkuraSky and SAkuraStar. 66. |
| 12. | Tardo, L. M. , McCreary, M. , Majeed, H. & Greenberg, B. (2022). Determining Prevalence of Depression and Covariates of Depression in a Cohort of Multiple Sclerosis Patients. 14. |
| 13. | Ziaei, A. , Lavery, A. M. , Shao, X. M. , Adams, C. , Casper, T. C. , Rose, J. , Candee, M. , Weinstock-Guttman, B. , Aaen, G. , Harris, Y. , Graves, J. , Benson, L. , Gorman, M. , Rensel, M. , Mar, S. , Lotze, T. , Greenberg, B. , Chitnis, T. , Hart, J. , Waldman, A. T. , Barcellos, L. F. & Waubant, E. (2022). Gene–environment interactions increase the risk of pediatric-onset multiple sclerosis associated with ozone pollution. 28, 1330-1339. |
| 14. | Joshi, C. , Sivaprakasam, K. , Christley, S. , Ireland, S. , Rivas, J. , Zhang, W. , Sader, D. , Logan, R. , Lambracht-Washington, D. , Rosenberg, R. , Cullum, M. , Hitt, B. , Li, Q. Z. , Barber, R. , Greenberg, B. , Cowell, L. , Zhang, R. , Stowe, A. , Huebinger, R. , Kelley, B. & Monson, N. (2022). CSF-Derived CD4+T-Cell Diversity Is Reduced in Patients With Alzheimer Clinical Syndrome. 9. |
| 15. | Sullivan, R. , Kilaru, A. , Hemmer, B. , Cree, B. A. C. , Greenberg, B. , Kundu, U. , Hach, T. , Delasheras, V. , Ward, B. J. & Berger, J. (2022). COVID-19 Infection in Fingolimod- or Siponimod-Treated Patients. 9. |
| 16. | Del Poeta, M. , Ward, B. J. , Greenberg, B. , Hemmer, B. , Cree, B. A. , Komatireddy, S. , Mishra, J. , Sullivan, R. , Kilaru, A. , Moore, A. , Hach, T. & Berger, J. R. (2022). Cryptococcal Meningitis Reported With Fingolimod Treatment. 9. |
| 17. | Heinl, E. S. , Lorenz, S. , Schmidt, B. , Nasser M Laqtom, N. , Mazzulli, J. R. , Francelle, L. , Yu, T. W. , Greenberg, B. , Storch, S. , Tegtmeier, I. , Othmen, H. , Maurer, K. , Steinfurth, M. , Witzgall, R. , Milenkovic, V. , Wetzel, C. H. & Reichold, M. (2022). CLN7/MFSD8 may be an important factor for SARS-CoV-2 cell entry. 25. |
| 18. | Sguigna, P. , Tardo, L. M. , Blackburn, K. , Horton, L. , Conger, D. L. , Hogan, N. , McCreary, M. C. & Greenberg, B. (2022). Application of the International Interocular Difference Thresholds into Practice. 46, 375-382. |
| 19. | Author Collaboration, U. N. O. P. M. S. C. , Sebastian, P. , Cherbuin, N. , Barcellos, L. F. , Roalstad, S. , Casper, C. , Hart, J. , Aaen, G. S. , Krupp, L. , Benson, L. , Gorman, M. , Candee, M. , Chitnis, T. , Goyal, M. , Greenberg, B. , Mar, S. , Rodriguez, M. , Rubin, J. , Schreiner, T. , Waldman, A. , Weinstock-Guttman, B. , Graves, J. , Waubant, E. & Lucas, R. (2022). Association between Time Spent Outdoors and Risk of Multiple Sclerosis. 98, E267-E278. |
| 20. | Kim, K. , Narasimhan, M. , Mahimainathan, L. , Zhang, R. , Araj, E. , Kim, E. , Tharpe, W. , Greenberg, B. , Greenberg, D. , Li, Q. , Cheng, C. A. , Sarode, R. , Malladi, S. & Muthukumar, A. R. (2022). Translation suppression underlies the restrained COVID-19 mRNA vaccine response in the high-risk immunocompromised group. 13. |
| 21. | Greenberg, B. (2022). Evolving Treatment Paradigms in the Management of Multiple Sclerosis. 25, 51-55. |
| 22. | Greenberg, B. , Bowen, J. D. , Alvarez, E. , Rodriguez, M. , Caggiano, A. O. , Warrington, A. E. , Zhao, P. & Eisen, A. (2022). A double-blind, placebo-controlled, single-ascending-dose intravenous infusion study of rHIgM22 in subjects with multiple sclerosis immediately following a relapse. 8. |
| 23. | Tardo, L. , Wang, C. , Rajaram, V. & Greenberg, B. (2022). Pediatric paraneoplastic neuromyelitis optica spectrum disorder associated with ovarian teratoma. 28, 160-163. |
| 24. | Greenberg, B. , Kolodny, S. , Wang, M. & Deshpande, C. (2021). Utilization and Treatment Patterns of Disease-Modifying Therapy in Pediatric Patients with Multiple Sclerosis in the United States. 23, 101-105. |
| 25. | Santoro, J. D. , Kerr, L. M. , Codden, R. , Casper, T. C. , Greenberg, B. , Waubant, E. , Kong, S. W. , Mandl, K. D. & Gorman, M. P. (2021). Increased Prevalence of Familial Autoimmune Disease in Children with Opsoclonus-Myoclonus Syndrome. 8. |
| 26. | Greenberg, B. , Casper, T. C. , Mar, S. S. , Ness, J. M. , Plumb, P. , Liang, S. , Goyal, M. , Weinstock-Guttman, B. , Rodriguez, M. , Aaen, G. S. , Belman, A. , Barcellos, L. F. , Rose, J. W. , Gorman, M. P. , Benson, L. A. , Candee, M. , Chitnis, T. , Harris, Y. C. , Kahn, I. L. , Roalstad, S. , Hart, J. , Lotze, T. E. , Rensel, M. , Rubin, J. P. , Schreiner, T. L. , Tillema, J. M. , Waldman, A. T. , Krupp, L. , Graves, J. , Drake, K. & Waubant, E. (2021). Familial History of Autoimmune Disorders Among Patients With Pediatric Multiple Sclerosis. 8. |
| 27. | Muthukumar, A. R. , Narasimhan, M. , Li, Q. Z. , Mahimainathan, L. , Hitto, I. , Fuda, F. , Batra, K. , Jiang, X. , Zhu, C. , Schoggins, J. , Cutrell, J. , Croft, C. L. , Khera, A. , Drazner, M. , Grodin, J. , Greenberg, B. , Mammen, P. , Morrison, S. & De Lemos, J. (2021). In-Depth Evaluation of a Case of Presumed Myocarditis after the Second Dose of COVID-19 mRNA Vaccine. 144, 487-498. |
| 28. | Hannallah, A. , Passoni, N. , Peters, C. , Shakir, N. , Greenberg, B. & Jacobs, M. (2021). Bladder management in children with transverse myelitis. 17, 522.e1-522.e6. |
| 29. | Ostmeyer, J. , Cowell, L. , Greenberg, B. & Christley, S. (2021). Reconstituting T cell receptor selection in-silico. 22, 187-193. |
| 30. | Greenberg, B. , Plumb, P. , Cutter, G. , Dean, J. , Desena, A. , Hopkins, S. , Krishnan, C. , Pardo, C. , Recio, A. , Schreiner, T. , Yeh, E. A. & McCreary, M. (2021). Acute flaccid myelitis. 3. |
| 31. | Sun, W. , Khare, P. , Wang, X. , Challa, D. K. , Greenberg, B. , Ober, R. J. & Ward, E. S. (2021). Selective Depletion of Antigen-Specific Antibodies for the Treatment of Demyelinating Disease. 29, 1312-1323. |
| 32. | Author Collaboration, N. (. O. S. G. I. G. N. (. O. S. G. I. F. , Giovannelli, J. , Ciron, J. , Cohen, M. , Kim, H. J. , Kim, S. H. , Stellmann, J. P. , Kleiter, I. , McCreary, M. , Greenberg, B. , Deschamps, R. , Audoin, B. , Maillart, E. , Papeix, C. , Collongues, N. , Bourre, B. , Laplaud, D. , Ayrignac, X. , Durand-Dubief, F. , Ruet, A. , Vukusic, S. , Marignier, R. , Dauchet, L. & Zephir, H. (2021). A meta-analysis comparing first-line immunosuppressants in neuromyelitis optica. 8, 2025-2037. |
| 33. | Li, J. , Bazzi, S. A. , Schmitz, F. , Tanno, H. , McDaniel, J. R. , Lee, C. H. , Joshi, C. , Kim, J. E. , Monson, N. , Greenberg, B. , Hedfalk, K. , Melamed, E. & Ippolito, G. C. (2021). Molecular Level Characterization of Circulating Aquaporin-4 Antibodies in Neuromyelitis Optica Spectrum Disorder. 8. |
| 34. | McGetrick, M. E. , Varughese, N. A. , Miles, D. , Wang, C. , McCreary, M. , Monson, N. & Greenberg, B. (2021). Clinical Features, Treatment Strategies, and Outcomes in Hospitalized Children With Immune-Mediated Encephalopathies. 116, 20-26. |
| 35. | Berger, J. R. , Leist, T. P. , Greenberg, B. & Rammohan, K. (2021). Physician Compensation in the United States – Through the Lens of the MS Neurologist. 50. |
| 36. | Waldman, A. T. , Benson, L. , Sollee, J. R. , Lavery, A. M. , Liu, G. W. , Green, A. J. , Waubant, E. , Heidary, G. , Conger, D. , Graves, J. & Greenberg, B. (2021). Interocular Difference in Retinal Nerve Fiber Layer Thickness Predicts Optic Neuritis in Pediatric-Onset Multiple Sclerosis. 41, 469-475. |
| 37. | Sguigna, P. , McCreary, M. C. , Conger, D. L. , Graves, J. S. , Benson, L. A. , Waldman, A. T. & Greenberg, B. (2021). Utilization of Visual Acuity Retroilluminated Charts for the Assessment of Afferent Visual System Dysfunction in a Pediatric Neuroimmunology Population. 41, 19-23. |
| 38. | Chitnis, T. , Banwell, B. , Krupp, L. , Arnold, D. L. , Bar-Or, A. , Brück, W. , Giovannoni, G. , Greenberg, B. , Ghezzi, A. , Waubant, E. , Rostasy, K. , Deiva, K. , Huppke, P. , Wolinsky, J. S. , Zhang, Y. , Azmon, A. , K-Laflamme, A. , Karan, R. & Gärtner, J. (2021). Temporal profile of lymphocyte counts and relationship with infections with fingolimod therapy in paediatric patients with multiple sclerosis. 27, 922-932. |
| 39. | Graves, J. S. , Barcellos, L. F. , Krupp, L. , Belman, A. , Shao, X. , Quach, H. , Hart, J. , Chitnis, T. , Weinstock-Guttman, B. , Aaen, G. , Benson, L. , Gorman, M. , Greenberg, B. , Lotze, T. , Soe, M. , Ness, J. , Rodriguez, M. , Rose, J. , Schreiner, T. , Tillema, J. M. , Waldman, A. , Casper, T. C. & Waubant, E. (2020). Vitamin D genes influence MS relapses in children. 26, 894-901. |
| 40. | Traboulsee, A. , Greenberg, B. , Bennett, J. L. , Szczechowski, L. , Fox, E. , Shkrobot, S. , Yamamura, T. , Terada, Y. , Kawata, Y. , Wright, P. , Gianella-Borradori, A. , Garren, H. & Weinshenker, B. G. (2020). Safety and efficacy of satralizumab monotherapy in neuromyelitis optica spectrum disorder. 19, 402-412. |
| 41. | Blackburn, K. & Greenberg, B. (2020). Revisiting Transverse Myelitis. 11. |
| 42. | Pennington, Z. , Jiang, B. , Westbroek, E. M. , Cottrill, E. , Greenberg, B. , Gailloud, P. , Wolinsky, J. P. , Lum, Y. W. & Theodore, N. (2020). Retroperitoneal approach for the treatment of diaphragmatic crus syndrome. 33, 114-119. |
| 43. | Greenberg, B. , Hall, S. , Grabner, M. , Balu, S. , Zhang, X. & Kantor, D. (2020). Multiple sclerosis relapse rates and healthcare costs of two versions of glatiramer acetate. 36, 1167-1175. |
| 44. | Manouchehri, N. , Hussain, R. Z. , Cravens, P. D. , Doelger, R. , Greenberg, B. , Okuda, D. , Forsthuber, T. G. , Eagar, T. N. & Stuve, O. (2020). Limitations of cell-lineage-specific non-dynamic gene recombination in CD11c.Cre+ITGA4fl/fl mice. 344. |
| 45. | Whittam, D. H. , Karthikeayan, V. , Gibbons, E. , Kneen, R. , Chandratre, S. , Ciccarelli, O. , Hacohen, Y. , de Seze, J. , Deiva, K. , Hintzen, R. Q. , Wildemann, B. , Jarius, S. , Kleiter, I. , Rostasy, K. , Huppke, P. , Hemmer, B. , Paul, F. , Aktas, O. , Pröbstel, A. K. , Arrambide, G. , Tintore, M. , Amato, M. P. , Nosadini, M. , Mancardi, M. M. , Capobianco, M. , Illes, Z. , Siva, A. , Altintas, A. , Akman-Demir, G. , Pandit, L. , Apiwattankul, M. , Hor, J. Y. , Viswanathan, S. , Qiu, W. , Kim, H. J. , Nakashima, I. , Fujihara, K. , Ramanathan, S. , Dale, R. C. , Boggild, M. , Broadley, S. , Lana-Peixoto, M. A. , Sato, D. K. , Tenembaum, S. , Cabre, P. , Wingerchuk, D. M. , Weinshenker, B. G. , Greenberg, B. , Matiello, M. , Klawiter, E. C. , Bennett, J. L. , Wallach, A. I. , Kister, I. , Banwell, B. L. , Traboulsee, A. , Pohl, D. , Palace, J. , Leite, M. I. , Levy, M. , Marignier, R. , Solomon, T. , Lim, M. , Huda, S. & Jacob, A. (2020). Treatment of MOG antibody associated disorders. 267, 3565-3577. |
| 46. | Cree, B. A. , Cutter, G. , Wolinsky, J. S. , Freedman, M. S. , Comi, G. , Giovannoni, G. , Hartung, H. P. , Arnold, D. , Kuhle, J. , Block, V. , Munschauer, F. E. , Sedel, F. , Lublin, F. D. , Reingold, S. , Duquette, P. , Derfuss, T. , Fazekas, F. , Sormani, M. P. , Lisak, R. P. , Graves, J. , Krieger, S. , Zabad, R. K. , Newsome, S. , Barton, J. , MacDonell, R. , Marriott, M. , De Klippel, N. , Laureys, G. , Willekens, B. , Devonshire, V. , Freedman, M. , Girard, J. M. , Giacomini, P. , McKelvey, R. , Selchen, D. , Vorobeychik, G. , Witkowski, L. , Ampapa, R. , Preiningerova, J. L. , Meluzinova, E. , Talab, R. , Vachova, M. , Aktas, O. , Buttmann, M. , Birte, E. H. , Kuempfel, T. , Friedemann, P. , Rau, D. , Reifschneider, G. , Sokolowski, P. , Tumani, H. , Satori, M. , Pozzilli, C. , Klosek, A. , Koscielniak, J. , Waldemar, F. , Zajda, M. , Gonzalez, R. A. , Ayuso, G. I. , Sanchez, V. F. , Guevara, C. O. , Rodriguez, J. E. M. , Montalban, X. , Ramio-Torrenta, L. , Brundin, L. , Lycke, J. , Terzi, M. , Guadagno, J. , Mahad, D. , Pace, A. , Schmierer, K. , Toosy, A. , Webb, S. , Agius, M. , Amezcua, L. , Apperson, M. , Bagert, B. , Bandari, D. , Bernitsas, E. , Calkwood, J. , Carter, J. , Cohen, B. , Conway, D. , Cooper, J. , Corboy, J. , Coyle, P. , Cree, B. , Freedman, M. , Ford, C. , Fox, E. , Goldman, M. , Greenberg, B. , Kita, M. , Leist, T. , Lynch, S. , Miller, A. , Moses, H. , Naismith, R. , Picone, M. A. , Perminder, B. , Rae-Grant, A. , Rammohan, K. , Reder, A. , Riley, C. , Robertson, D. , Rowe, V. , Saidha, S. , Samkoff, L. , Severson, C. , Smoot, K. , Stoll, S. , Trudell, R. , Weinstock-Guttman, B. & Yathiraj, S. (2020). Safety and efficacy of MD1003 (high-dose biotin) in patients with progressive multiple sclerosis (SPI2). 19, 988-997. |
| 47. | Jiang, X. , Shao, Y. , Araj, F. , Amin, A. A. , Greenberg, B. , Drazner, M. , Xing, C. & Mammen, P. (2020). Heterozygous cystic fibrosis transmembrane regulator gene missense variants are associated with worse cardiac function in patients with duchenne muscular dystrophy. 9. |
| 48. | Blackburn, K. , Wang, C. & Greenberg, B. (2020). Two cases of aquaporin-4 positive neuromyelitis optica associated with T-cell lymphoma. 338. |
| 49. | Arnold, D. L. , Banwell, B. , Bar-Or, A. , Ghezzi, A. , Greenberg, B. , Waubant, E. , Giovannoni, G. , Wolinsky, J. S. , Gärtner, J. , Rostásy, K. , Krupp, L. , Tardieu, M. , Brück, W. , Stites, T. E. , Pearce, G. L. , Häring, D. A. , Merschhemke, M. & Chitnis, T. (2020). Effect of fingolimod on MRI outcomes in patients with paediatric-onset multiple sclerosis. 91, 483-492. |
| 50. | Wilkinson, A. , Greenberg, B. & Keech, A. (2020). The princess and the p-value. 9, 13-20. |
| 51. | Harder, L. , Hernandez, A. , Hague, C. , Neumann, J. , McCreary, M. , Cullum, M. & Greenberg, B. (2020). Home-Based Pediatric Teleneuropsychology. 35, 1266-1275. |
| 52. | Berger, J. R. , Cree, B. A. , Greenberg, B. , Hemmer, B. , Ward, B. J. , Dong, V. M. & Merschhemke, M. (2019). Author response. 92. |
| 53. | Aaen, G. , Waltz, M. , Vargas, W. , Makhani, N. , Ness, J. , Harris, Y. , Casper, T. C. , Benson, L. , Candee, M. , Chitnis, T. , Gorman, M. , Graves, J. , Greenberg, B. , Lotze, T. , Mar, S. , Tillema, J. M. , Rensel, M. , Rodriguez, M. , Rose, J. , Rubin, J. , Schreiner, T. , Waldman, A. , Weinstock-Guttman, B. , Belman, A. , Waubant, E. & Krupp, L. (2019). Acquisition of Early Developmental Milestones and Need for Special Education Services in Pediatric Multiple Sclerosis. 34, 148-152. |
| 54. | Chi, C. , Shao, X. , Rhead, B. , Gonzales, E. , Smith, J. B. , Xiang, A. H. , Graves, J. , Waldman, A. , Lotze, T. , Schreiner, T. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Ness, J. , Candee, M. , Krupp, L. , Gorman, M. , Benson, L. , Chitnis, T. , Mar, S. , Belman, A. , Casper, T. C. , Rose, J. , Moodley, M. , Rensel, M. , Rodriguez, M. , Greenberg, B. , Kahn, L. , Rubin, J. , Schaefer, C. , Waubant, E. , Langer-Gould, A. & Barcellos, L. F. (2019). Admixture mapping reveals evidence of differential multiple sclerosis risk by genetic ancestry. 15. |
| 55. | Greenberg, B. , Krishnan, C. & Harder, L. (2019). New onset transverse myelitis diagnostic accuracy and patient experiences. 30, 42-44. |
| 56. | Yamamura, T. , Kleiter, I. , Fujihara, K. , Palace, J. , Greenberg, B. , Zakrzewska-Pniewska, B. , Patti, F. , Tsai, C. P. , Saiz, A. , Yamazaki, H. , Kawata, Y. , Wright, P. & De Seze, J. (2019). Trial of satralizumab in neuromyelitis optica spectrum disorder. 381, 2114-2124. |
| 57. | Shakir, N. A. , Satyanarayan, A. , Eastman, J. , Greenberg, B. & Lemack, G. (2019). Assessment of Renal Deterioration and Associated Risk Factors in Patients With Multiple Sclerosis. 123, 76-80. |
| 58. | Narayan, R. N. , Wang, C. , Sguigna, P. , Husari, K. & Greenberg, B. (2019). Atypical Anti-MOG syndrome with aseptic meningoencephalitis and pseudotumor cerebri-like presentations. 27, 30-33. |
| 59. | Narayan, R. N. , Wang, C. & Greenberg, B. (2019). Acute Disseminated Encephalomyelitis (ADEM) and Increased Intracranial Pressure Associated With Anti–Myelin Oligodendrocyte Glycoprotein Antibodies. 99, 64-68. |
| 60. | Narayan, R. N. , McCreary, M. , Conger, D. , Wang, C. & Greenberg, B. (2019). Unique characteristics of optical coherence tomography (OCT) results and visual acuity testing in myelin oligodendrocyte glycoprotein (MOG) antibody positive pediatric patients. 28, 86-90. |
| 61. | Author Collaboration, T. U. N. O. P. M. C. , Rhead, B. , Shao, X. , Graves, J. S. , Chitnis, T. , Waldman, A. T. , Lotze, T. , Schreiner, T. , Belman, A. , Krupp, L. , Greenberg, B. , Weinstock–Guttman, B. , Aaen, G. , Tillema, J. M. , Rodriguez, M. , Hart, J. , Caillier, S. , Ness, J. , Harris, Y. , Rubin, J. , Candee, M. S. , Gorman, M. , Benson, L. , Mar, S. , Kahn, I. , Rose, J. , Casper, T. C. , Quach, H. , Quach, D. , Schaefer, C. , Waubant, E. & Barcellos, L. F. (2019). miRNA contributions to pediatric-onset multiple sclerosis inferred from GWAS. 6, 1053-1061. |
| 62. | Author Collaboration, F. T. U. N. O. P. M. S. C. , Pakpoor, J. , Seminatore, B. , Graves, J. S. , Schreiner, T. , Waldman, A. T. , Lotze, T. E. , Belman, A. , Greenberg, B. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , McDonald, J. C. , Hart, J. , Ness, J. M. , Harris, Y. , Rubin, J. , Candee, M. , Krupp, L. , Gorman, M. , Benson, L. , Rodriguez, M. , Chitnis, T. , Mar, S. , Kahn, I. , Rose, J. , Carmichael, S. L. , Roalstad, S. , Waltz, M. , Casper, T. C. & Waubant, E. (2018). Dietary factors and pediatric multiple sclerosis. 24, 1067-1076. |
| 63. | Estrada, K. , Whelan, C. W. , Zhao, F. , Bronson, P. , Handsaker, R. E. , Sun, C. , Carulli, J. P. , Harris, T. , Ransohoff, R. M. , McCarroll, S. A. , Day-Williams, A. G. , Greenberg, B. & MacArthur, D. G. (2018). A whole-genome sequence study identifies genetic risk factors for neuromyelitis optica. 9. |
| 64. | McCreary, M. , Mealy, M. A. , Wingerchuk, D. M. , Levy, M. , DeSena, A. & Greenberg, B. (2018). Updated diagnostic criteria for neuromyelitis optica spectrum disorder. 4. |
| 65. | Author Collaboration, O. B. O. T. N. O. P. M. S. C. , Suleiman, L. , Waubant, E. , Aaen, G. , Belman, A. , Benson, L. , Candee, M. , Chitnis, T. , Gorman, M. , Goyal, M. , Greenberg, B. , Harris, Y. , Hart, J. , Kahn, I. , Krupp, L. , Lotze, T. , Mar, S. , Moodley, M. , Ness, J. , Nourbakhsh, B. , Rensel, M. , Rodriguez, M. , Rose, J. , Rubin, J. , Schreiner, T. , Tillema, J. M. , Waldman, A. , Weinstock-Guttman, B. , Casper, T. C. , Waltz, M. & Graves, J. S. (2018). Early infectious exposures are not associated with increased risk of pediatric-onset multiple sclerosis. 22, 103-107. |
| 66. | Author Collaboration, T. U. N. O. P. M. S. C. , Mar, S. , Liang, S. , Waltz, M. , Casper, T. C. , Goyal, M. , Greenberg, B. , Weinstock-Guttman, B. , Rodriguez, M. , Aaen, G. , Belman, A. , Barcellos, L. F. , Rose, J. , Gorman, M. , Benson, L. , Candee, M. , Chitnis, T. , Harris, Y. , Kahn, I. , Roalsted, S. , Hart, J. , Lotze, T. , Moodley, M. , Ness, J. , Rensel, M. , Rubin, J. , Schreiner, T. , Tillema, J. M. , Waldman, A. , Krupp, L. , Graves, J. S. & Waubant, E. (2018). Several household chemical exposures are associated with pediatric-onset multiple sclerosis. 5, 1513-1521. |
| 67. | Mealy, M. A. , Kim, S. H. , Schmidt, F. , López, R. , Jimenez Arango, J. A. , Paul, F. , Wingerchuk, D. M. , Greenberg, B. , Kim, H. J. & Levy, M. (2018). Aquaporin-4 serostatus does not predict response to immunotherapy in neuromyelitis optica spectrum disorders. 24, 1737-1742. |
| 68. | Wang, C. , Narayan, R. & Greenberg, B. (2018). Anti-Myelin Oligodendrocyte Glycoprotein Antibody Associated With Gray Matter Predominant Transverse Myelitis Mimicking Acute Flaccid Myelitis. 86, 42-45. |
| 69. | Author Collaboration, O. B. O. T. U. N. O. P. M. C. , Nourbakhsh, B. , Rutatangwa, A. , Waltz, M. , Rensel, M. , Moodley, M. , Graves, J. , Casper, T. C. , Waldman, A. , Belman, A. , Greenberg, B. , Goyal, M. , Harris, Y. , Kahn, I. , Lotze, T. , Mar, S. , Schreiner, T. , Aaen, G. , Hart, J. , Ness, J. , Rubin, J. , Tillema, J. M. , Krupp, L. , Gorman, M. , Benson, L. , Rodriguez, M. , Chitnis, T. , Rose, J. , Candee, M. , Weinstock-Guttman, B. , Shao, X. , Barcellos, L. , James, J. & Waubant, E. (2018). Heterogeneity in association of remote herpesvirus infections and pediatric MS. 5, 1222-1228. |
| 70. | Author Collaboration, P. S. G. , Chitnis, T. , Arnold, D. L. , Banwell, B. , Brück, W. , Ghezzi, A. , Giovannoni, G. , Greenberg, B. , Krupp, L. , Rostásy, K. , Tardieu, M. , Waubant, E. , Wolinsky, J. S. , Bar-Or, A. , Stites, T. , Chen, Y. , Putzki, N. , Merschhemke, M. & Gärtner, J. (2018). Trial of fingolimod versus interferon beta-1a in pediatric multiple sclerosis. 379, 1017-1027. |
| 71. | Khare, P. , Challa, D. K. , Devanaboyina, S. C. , Velmurugan, R. , Hughes, S. , Greenberg, B. , Ober, R. J. & Ward, E. S. (2018). Myelin oligodendrocyte glycoprotein-specific antibodies from multiple sclerosis patients exacerbate disease in a humanized mouse model. 86, 104-115. |
| 72. | Author Collaboration, F. T. N. O. P. M. S. C. , Gianfrancesco, M. A. , Stridh, P. , Shao, X. , Rhead, B. , Graves, J. S. , Chitnis, T. , Waldman, A. , Lotze, T. , Schreiner, T. , Belman, A. , Greenberg, B. , Weinstock–Guttman, B. , Aaen, G. , Tillema, J. M. , Hart, J. , Caillier, S. , Ness, J. , Harris, Y. , Rubin, J. , Candee, M. , Krupp, L. , Gorman, M. , Benson, L. , Rodriguez, M. , Mar, S. , Kahn, I. , Rose, J. , Roalstad, S. , Casper, T. C. , Shen, L. , Quach, H. , Quach, D. , Hillert, J. , Hedstrom, A. , Olsson, T. , Kockum, I. , Alfredsson, L. , Schaefer, C. , Barcellos, L. F. & Waubant, E. (2018). Genetic risk factors for pediatric-onset multiple sclerosis. 24, 1825-1834. |
| 73. | Shosha, E. , Dubey, D. , Palace, J. , Nakashima, I. , Jacob, A. , Fujihara, K. , Takahashi, T. , Whittam, D. , Leite, M. I. , Misu, T. , Yoshiki, T. , Messina, S. , Elsone, L. , Majed, M. , Flanagan, E. , Gadoth, A. , Huebert, C. , Sagen, J. , Greenberg, B. , Levy, M. , Banerjee, A. , Weinshenker, B. & Pittock, S. J. (2018). Area postrema syndrome. 91, E1642-E1651. |
| 74. | Mahdavi, Z. K. , Narayan, R. , Mainali, S. , Greenberg, B. , Aiyagari, V. & McDonagh, D. (2018). A Callosal Catastrophe. 29, 504-507. |
| 75. | Lavery, A. M. , Waubant, E. , Casper, T. C. , Roalstad, S. , Candee, M. , Rose, J. , Belman, A. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Rodriguez, M. , Ness, J. , Harris, Y. , Graves, J. , Krupp, L. , Charvet, L. , Benson, L. , Gorman, M. , Moodley, M. , Rensel, M. , Goyal, M. , Mar, S. , Chitnis, T. , Schreiner, T. , Lotze, T. , Greenberg, B. , Kahn, I. , Rubin, J. & Waldman, A. T. (2018). Urban air quality and associations with pediatric multiple sclerosis. 5, 1146-1153. |
| 76. | Richardson, T. E. , Wachsmann, M. , Oliver, D. , Abedin, Z. , Ye, D. , Burns, D. , Raisanen, J. , Greenberg, B. & Hatanpaa, K. (2018). BRAF mutation leading to central nervous system rosai-dorfman disease. 84, 147-152. |
| 77. | Noland, D. & Greenberg, B. (2018). Safety and efficacy of plasma exchange in pediatric transverse myelitis. 8, 327-330. |
| 78. | Berger, J. R. , Cree, B. A. , Greenberg, B. , Hemmer, B. , Ward, B. J. , Dong, V. M. & Merschhemke, M. (2018). Progressive multifocal leukoencephalopathy after fingolimod treatment. 90, E1815-E1821. |
| 79. | Author Collaboration, U. N. O. P. M. C. , Bourne, T. , Waltz, M. , Casper, T. C. , Kavak, K. , Aaen, G. , Belman, A. , Benson, L. , Candee, M. , Chitnis, T. , Graves, J. , Greenberg, B. , Gorman, M. , Harris, Y. , Krupp, L. , Lotze, T. , Mar, S. , Ness, J. , Olsen, C. , Roalstad, S. , Rodriguez, M. , Rose, J. , Rubin, J. , Schreiner, T. , Tillema, J. M. , Kahn, I. , Waldman, A. , Barcellos, L. , Waubant, E. & Weinstock-Guttman, B. (2017). Evaluating the association of allergies with multiple sclerosis susceptibility risk and disease activity in a pediatric population. 375, 371-375. |
| 80. | Gianfrancesco, M. A. , Stridh, P. , Rhead, B. , Shao, X. , Xu, E. , Graves, J. S. , Chitnis, T. , Waldman, A. , Lotze, T. , Schreiner, T. , Belman, A. , Greenberg, B. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Hart, J. , Caillier, S. , Ness, J. , Harris, Y. , Rubin, J. , Candee, M. , Krupp, L. , Gorman, M. , Benson, L. , Rodriguez, M. , Mar, S. , Kahn, I. , Rose, J. , Roalstad, S. , Casper, T. C. , Shen, L. , Quach, H. , Quach, D. , Hillert, J. , Bäärnhielm, M. , Hedstrom, A. , Olsson, T. , Kockum, I. , Alfredsson, L. , Metayer, C. , Schaefer, C. , Barcellos, L. F. & Waubant, E. (2017). Evidence for a causal relationship between low Vitamin D, high BMI, and pediatric-onset MS. 88, 1623-1629. |
| 81. | Author Collaboration, F. T. U. N. O. P. M. C. , Lavery, A. M. , Waldman, A. T. , Charles Casper, T. , Roalstad, S. , Candee, M. , Rose, J. , Belman, A. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Rodriguez, M. , Ness, J. , Harris, Y. , Graves, J. , Krupp, L. , Benson, L. , Gorman, M. , Moodley, M. , Rensel, M. , Goyal, M. , Mar, S. , Chitnis, T. , Schreiner, T. , Lotze, T. , Greenberg, B. , Kahn, I. , Rubin, J. & Waubant, E. (2017). Examining the contributions of environmental quality to pediatric multiple sclerosis. 18, 164-169. |
| 82. | Beh, S. C. , Kildebeck, E. , Narayan, R. , Desena, A. , Schell, D. , Rowe, E. S. , Rowe, V. , Burns, D. , Whitworth, L. A. , Frohman, T. C. , Greenberg, B. & Frohman, E. (2017). High-dose methotrexate with leucovorin rescue. 372, 187-195. |
| 83. | Barreras, P. , Heck, D. , Greenberg, B. , Wolinsky, J. P. , Pardo, C. A. & Gailloud, P. (2017). Analysis of 30 spinal angiograms falsely reported as normal in 18 patients with subsequently documented spinal vascular malformations. 38, 1814-1819. |
| 84. | Filatenkov, A. , Richardson, T. E. , Daoud, E. , Johnson-Welch, S. F. , Ramirez, D. M. , Torrealba, J. , Greenberg, B. , Monson, N. & Rajaram, V. (2017). Persistence of parenchymal and perivascular T-cells in treatment-refractory anti- N -methyl- d -aspartate receptor encephalitis. 28, 890-895. |
| 85. | Eisen, A. , Greenberg, B. , Bowen, J. D. , Arnold, D. L. & Caggiano, A. O. (2017). A double-blind, placebo-controlled, single ascending-dose study of remyelinating antibody rHIgM22 in people with multiple sclerosis. 3. |
| 86. | Ostmeyer, J. , Christley, S. , Rounds, W. H. , Toby, I. , Greenberg, B. , Monson, N. & Cowell, L. (2017). Statistical classifiers for diagnosing disease from immune repertoires. 18. |
| 87. | Rivas, J. R. , Ireland, S. J. , Chkheidze, R. , Rounds, W. H. , Lim, J. , Johnson, J. , Ramirez, D. M. O. , Ligocki, A. J. , Chen, D. , Guzman, A. A. , Woodhall, M. , Wilson, P. C. , Meffre, E. , White, C. , Greenberg, B. , Waters, P. , Cowell, L. , Stowe, A. M. & Monson, N. (2017). Peripheral VH4+ plasmablasts demonstrate autoreactive B cell expansion toward brain antigens in early multiple sclerosis patients. 133, 43-60. |
| 88. | Gliga, L. A. , Lavelle, R. S. , Christie, A. L. , Coskun, B. , Greenberg, B. , Carmel, M. & Lemack, G. (2017). Urodynamics findings in transverse myelitis patients with lower urinary tract symptoms. 36, 360-363. |
| 89. | Author Collaboration, N. O. P. M. S. C. , Graves, J. S. , Chitnis, T. , Weinstock-Guttman, B. , Rubin, J. , Zelikovitch, A. S. , Nourbakhsh, B. , Simmons, T. , Waltz, M. , Casper, T. C. , Waubant, E. , Aaen, G. , Belman, A. , Benson, L. , Meghan, C. , Gorman, M. , Goyal, M. , Greenberg, B. , Harris, Y. , Kahn, I. , Lotze, T. , Soe, M. , Moodley, M. , Ness, J. , Rensel, M. , Roalstad, S. , Rodriguez, M. , Rose, J. , Schreiner, T. , Tillema, J. M. & Waldman, A. (2017). Maternal and perinatal exposures are associated with risk for pediatric-onset multiple sclerosis. 139. |
| 90. | Author Collaboration, T. N. O. P. M. S. C. , Nourbakhsh, B. , Graves, J. , Casper, T. C. , Lulu, S. , Waldman, A. , Belman, A. , Greenberg, B. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Hart, J. , Ness, J. , Rubin, J. , Krupp, L. , Gorman, M. , Benson, L. , Rodriguez, M. , Chitnis, T. , Rose, J. , Barcellos, L. & Waubant, E. (2016). Dietary salt intake and time to relapse in paediatric multiple sclerosis. 87, 1350-1353. |
| 91. | Absoud, M. , Greenberg, B. , Lim, M. , Lotze, T. , Thomas, T. & Deiva, K. (2016). Pediatric transverse myelitis. 87, S46-S52. |
| 92. | Chen, D. , Ireland, S. J. , Remington, G. , Alvarez, E. , Racke, M. K. , Greenberg, B. , Frohman, E. & Monson, N. (2016). CD40-mediated NF-κB activation in B cells is increased in multiple sclerosis and modulated by therapeutics. 197, 4257-4265. |
| 93. | McDonald, J. , Graves, J. , Waldman, A. , Lotze, T. , Schreiner, T. , Belman, A. , Greenberg, B. , Weinstock-Guttman, B. , Aaen, G. , Tillema, J. M. , Hart, J. , Lulu, S. , Ness, J. , Harris, Y. , Rubin, J. , Candee, M. , Krupp, L. B. , Gorman, M. , Benson, L. , Rodriguez, M. , Chitnis, T. , Mar, S. , Barcellos, L. F. , Laraia, B. , Rose, J. , Roalstad, S. , Simmons, T. , Casper, T. C. & Waubant, E. (2016). A case-control study of dietary salt intake in pediatric-onset multiple sclerosis. 6, 87-92. |
| 94. | Mohiuddin, I. H. , Pillai, V. , Baughman, E. J. , Greenberg, B. , Frohman, E. , Crawford, M. P. , Sinha, S. & Karandikar, N. J. (2016). Induction of regulatory T-cells from memory T-cells is perturbed during acute exacerbation of multiple sclerosis. 166-167, 12-18. |
| 95. | Arellano, B. , Hussain, R. , Miller-Little, W. A. , Herndon, E. , Lambracht-Washington, D. , Eagar, T. N. , Lewis, R. , Healey, D. , Vernino, S. , Greenberg, B. & Stuve, O. (2016). A single amino acid substitution prevents recognition of a dominant human aquaporin-4 determinant in the context of HLA-DRB1-03:01 by a murine TCR. 11. |
| 96. | Author Collaboration, T. U. N. O. P. M. C. , Chitnis, T. , Graves, J. , Weinstock-Guttman, B. , Belman, A. , Olsen, C. , Misra, M. , Aaen, G. , Benson, L. , Candee, M. , Gorman, M. , Greenberg, B. , Krupp, L. , Lotze, T. , Mar, S. , Ness, J. , Rose, J. , Rubin, J. , Schreiner, T. , Tillema, J. , Waldman, A. , Rodriguez, M. , Casper, C. & Waubant, E. (2016). Distinct effects of obesity and puberty on risk and age at onset of pediatric MS. 3, 897-907. |
| 97. | Ligocki, A. J. , Rivas, J. R. , Rounds, W. H. , Guzman, A. A. , Li, M. , Spadaro, M. , Lahey, L. , Chen, D. , Henson, P. M. , Graves, D. , Greenberg, B. , Frohman, E. , Ward, E. S. , Robinson, W. , Meinl, E. , White, C. , Stowe, A. M. & Monson, N. (2015). A distinct class of antibodies may be an indicator of gray matter autoimmunity in early and established relapsing remitting multiple sclerosis patients. 7. |
| 98. | Rounds, W. H. , Salinas, E. A. , Wilks, T. B. , Levin, M. K. , Ligocki, A. J. , Ionete, C. , Pardo, C. A. , Vernino, S. , Greenberg, B. , Bigwood, D. W. , Eastman, E. M. , Cowell, L. & Monson, N. (2015). MSPrecise. 572, 191-197. |
| 99. | D'Alessandro, J. S. , Duffner, J. , Pradines, J. , Capila, I. , Garofalo, K. , Kaundinya, G. , Greenberg, B. , Kantor, D. & Ganguly, T. C. (2015). Equivalent gene expression profiles between glatopa™ and copaxone®. 10. |
| 100. | Wang, Y. , Miocinovic, S. & Greenberg, B. (2015). Neuromyelitis optica spectrum disorder associated with autoimmune hemolytic anemia and lymphoma. 20, 33-34. |
| 101. | Dubey, D. , Sawhney, A. , Greenberg, B. , Lowden, A. , Warnack, W. , Khemani, P. , Stuve, O. & Vernino, S. (2015). The spectrum of autoimmune encephalopathies. 287, 93-97. |
| 102. | DeSena, A. , Graves, D. , Warnack, W. & Greenberg, B. (2014). Herpes simplex encephalitis as a potential cause of anti-N-methyl-D- aspartate receptor antibody encephalitis. 71, 344-346. |
| 103. | Frohman, E. , Monaco, M. C. , Remington, G. , Ryschkewitsch, C. , Jensen, P. N. , Johnson, K. , Perkins, M. , Liebner, J. , Greenberg, B. , Monson, N. , Frohman, T. C. , Douek, D. & Major, E. O. (2014). JC virus in CD34+ and CD19+ cells in patients with multiple sclerosis treated with natalizumab. 71, 596-602. |
| 104. | Monson, N. , Ireland, S. J. , Ligocki, A. J. , Chen, D. , Rounds, W. H. , Li, M. , Huebinger, R. M. , Cullum, M. , Greenberg, B. , Stowe, A. M. & Zhang, R. (2014). Elevated CNS inflammation in patients with preclinical Alzheimer's disease. 34, 30-33. |
| 105. | Zhang, J. , Corbett, J. R. , Plymire, D. A. , Greenberg, B. & Patrie, S. (2014). Proteoform analysis of lipocalin-type prostaglandin D-synthase from human cerebrospinal fluid by isoelectric focusing and superficially porous liquid chromatography with Fourier transform mass spectrometry. 14, 1223-1231. |
| 106. | DeSena, A. , Graves, D. , Morriss, M. & Greenberg, B. (2014). Transverse myelitis plus syndrome and acute disseminated encephalomyelitis plus syndrome a case series of 5 children. 71, 624-629. |
| 107. | Desena, A. D. , Greenberg, B. & Graves, D. (2014). "Light switch" mental status changes and irritable insomnia are two particularly salient features of anti-NMDA receptor antibody encephalitis. 51, 151-153. |
| 108. | Waldman, A. T. , Hiremath, G. , Avery, R. A. , Conger, A. , Pineles, S. L. , Loguidice, M. J. , Talman, L. S. , Galetta, K. M. , Shumski, M. J. , Wilson, J. , Ford, E. , Lavery, A. M. , Conger, D. , Greenberg, B. , Ellenberg, J. H. , Frohman, E. , Balcer, L. J. & Calabresi, P. A. (2014). Monocular and binocular low-contrast visual acuity and optical coherence tomography in pediatric multiple sclerosis. 3, 326-334. |
| 109. | Rommer, P. S. , Zettl, U. K. , Kieseier, B. , Hartung, H. P. , Menge, T. , Frohman, E. , Greenberg, B. , Hemmer, B. & Stuve, O. (2014). Requirement for safety monitoring for approved multiple sclerosis therapies. 175, 397-407. |
| 110. | Ireland, S. J. , Guzman, A. A. , O'Brien, D. E. , Hughes, S. , Greenberg, B. , Flores, A. , Graves, D. , Remington, G. , Frohman, E. , Davis, L. S. & Monson, N. (2014). The effect of glatiramer acetate therapy on functional properties of B cells from patients with relapsing-remitting multiple sclerosis. 71, 1421-1428. |
| 111. | Desena, A. D. , Greenberg, B. & Graves, D. (2014). Three phenotypes of anti-n-methyl-d-aspartate receptor antibody encephalitis in children. 51, 542-549. |
| 112. | Rounds, W. H. , Ligocki, A. J. , Levin, M. K. , Greenberg, B. , Bigwood, D. W. , Eastman, E. M. , Cowell, L. & Monson, N. (2014). The antibody genetics of multiple sclerosis. 5 AUG. |
| 113. | Mealy, M. A. , Wingerchuk, D. M. , Palace, J. , Greenberg, B. & Levy, M. (2014). Comparison of relapse and treatment failure rates among patients with neuromyelitis optica. 71, 324-330. |
| 114. | Cunnusamy, K. , Baughman, E. J. , Franco, J. , Ortega, S. B. , Sinha, S. , Chaudhary, P. , Greenberg, B. , Frohman, E. & Karandikar, N. J. (2014). Disease exacerbation of multiple sclerosis is characterized by loss of terminally differentiated autoregulatory CD8+ T cells. 152, 115-126. |
| 115. | Holland, A. A. , Graves, D. , Greenberg, B. & Harder, L. (2014). Fatigue, emotional functioning, and executive dysfunction in pediatric multiple sclerosis. 20, 71-85. |
| 116. | Zhang, J. , Roth, M. J. , Chang, A. , Plymire, D. A. , Corbett, J. R. , Greenberg, B. & Patrie, S. (2013). Top-down mass spectrometry on tissue extracts and biofluids with isoelectric focusing and superficially porous silica liquid chromatography. 85, 10377-10384. |
| 117. | Dillon, B. E. , Seideman, C. A. , Lee, D. , Greenberg, B. , Frohman, E. & Lemack, G. (2013). A surprisingly low prevalence of demonstrable stress urinary incontinence and pelvic organ prolapse in women with multiple sclerosis followed at a tertiary neurogenic bladder clinic. 189, 976-979. |
| 118. | Horton, L. , Conger, A. , Conger, D. , Remington, G. , Frohman, T. , Frohman, E. & Greenberg, B. (2013). Effect of 4-aminopyridine on vision in multiple sclerosis patients with optic neuropathy. 80, 1862-1866. |
| 119. | Ayers, C. L. , Mendoza, J. P. , Sinha, S. , Cunnusamy, K. , Greenberg, B. , Frohman, E. & Karandikar, N. J. (2013). Modulation of immune function occurs within hours of therapy initiation for multiple sclerosis. 147, 105-119. |
| 120. | Sharma, V. D. , Malafronte, P. , De Simone, N. & Greenberg, B. (2013). Blind and confused. 70, 932-936. |
| 121. | Harder, L. , Holland, A. A. , Frohman, E. , Graves, D. & Greenberg, B. (2013). Cognitive functioning in pediatric transverse myelitis. 19, 947-952. |
| 122. | Greenberg, B. , Balcer, L. , Calabresi, P. A. , Cree, B. , Cross, A. , Frohman, T. , Gold, R. , Havrdova, E. , Hemmer, B. , Kieseier, B. C. , Lisak, R. , Miller, A. , Racke, M. K. , Steinman, L. , Stuve, O. , Wiendl, H. & Frohman, E. (2013). Interferon beta use and disability prevention in relapsing-remitting multiple sclerosis. 70, 248-251. |
| 123. | Ligocki, A. J. , Rounds, W. H. , Cameron, E. M. , Harp, C. T. , Frohman, E. , Courtney, A. M. , Vernino, S. , Cowell, L. , Greenberg, B. & Monson, N. (2013). Expansion of CD27high plasmablasts in transverse myelitis patients that utilize VH4 and JH6 genes and undergo extensive somatic hypermutation. 14, 291-301. |
| 124. | Arellano, B. , Hussain, R. , Zacharias, T. , Yoon, J. , David, C. , Zein, S. , Steinman, L. , Forsthuber, T. , Greenberg, B. , Lambracht-Washington, D. , Ritchie, A. M. , Bennett, J. L. & Stuve, O. (2012). Human aquaporin 4 281-300 is the immunodominant linear determinant in the context of HLA-DRB1\*03:01. 69, 1125-1131. |
| 125. | Mealy, M. A. , Newsome, S. , Greenberg, B. , Wingerchuk, D. , Calabresi, P. & Levy, M. (2012). Low serum vitamin D levels and recurrent inflammatory spinal cord disease. 69, 352-356. |
| 126. | Frohman, E. , Greenberg, B. , Ratchford, J. & Zivadinov, R. (2012). Addressing the challenges in risk assessment and risk management in multiple sclerosis. 12, 6-16. |
| 127. | Greenberg, B. , Graves, D. , Remington, G. , Hardeman, P. , Mann, M. , Karandikar, N. , Stuve, O. , Monson, N. & Frohman, E. (2012). Rituximab dosing and monitoring strategies in neuromyelitis optica patients. 18, 1022-1026. |
| 128. | Mealy, M. A. , Wingerchuk, D. M. , Greenberg, B. & Levy, M. (2012). Epidemiology of neuromyelitis optica in the United States. 69, 1176-1180. |
| 129. | Perkins, M. R. , Ryschkewitsch, C. , Liebner, J. C. , Monaco, M. C. G. , Himelfarb, D. , Ireland, S. , Roque, A. , Edward, H. L. , Jensen, P. N. , Remington, G. , Abraham, T. , Abraham, J. , Greenberg, B. , Kaufman, C. , LaGanke, C. , Monson, N. , Xu, X. , Frohman, E. , Major, E. O. & Douek, D. C. (2012). Changes in JC Virus-Specific T Cell Responses during Natalizumab Treatment and in Natalizumab-Associated Progressive Multifocal Leukoencephalopathy. 8. |
| 130. | Ireland, S. J. , Blazek, M. , Harp, C. T. , Greenberg, B. , Frohman, E. , Davis, L. S. & Monson, N. (2012). Antibody-independent B cell effector functions in relapsing remitting Multiple Sclerosis. 45, 400-414. |
| 131. | Blazek, P. , Davis, S. L. , Greenberg, B. , Conger, A. , Conger, D. , Vernino, S. , Beh, S. C. , Stuve, O. , Saidha, S. , Ratchford, J. N. , Green, A. , Calabresi, P. A. , Balcer, L. J. , Frohman, T. C. & Frohman, E. (2012). Objective characterization of the relative afferent pupillary defect in MS. 323, 193-200. |
| 132. | Frohman, A. R. , Schnurman, Z. , Conger, A. , Conger, D. , Beh, S. C. , Greenberg, B. , Sutter, E. , Calabresi, P. A. , Balcer, L. J. , Frohman, T. C. & Frohman, E. (2012). Multifocal visual evoked potentials are influenced by variable contrast stimulation in MS. 79, 797-801. |
| 133. | Burton, E. V. , Greenberg, B. & Frohman, E. (2011). Optic neuritis. 18, 81-92. |
| 134. | Baughman, E. J. , Mendoza, J. P. , Ortega, S. B. , Ayers, C. L. , Greenberg, B. , Frohman, E. & Karandikar, N. J. (2011). Neuroantigen-specific CD8+ regulatory T-cell function is deficient during acute exacerbation of multiple sclerosis. 36, 115-124. |
| 135. | Marder, E. , Gupta, P. , Greenberg, B. , Frohman, E. , Awad, A. M. , Bagert, B. & Stuve, O. (2011). No cerebral or cervical venous insufficiency in US veterans with multiple sclerosis. 68, 1521-1525. |
| 136. | Clark, S. W. , Dang, T. , Toth, G. , Pride, L. , Greenberg, B. & Warnack, W. (2011). Carotid cavernous fistula imitating brainstem glioma. 68, 256-257. |
| 137. | Cettomai, D. , Hiremath, G. , Ratchford, J. , Venkatesan, A. , Greenberg, B. , McGready, J. , Pardo, C. A. , Kerr, D. A. , Frohman, E. , Balcer, L. J. , McArthur, J. C. & Calabresi, P. A. (2010). Associations between retinal nerve fiber layer abnormalities and optic nerve examination. 75, 1318-1325. |
| 138. | Frohman, E. , Cutter, G. , Remington, G. , Gao, H. , Rossman, H. , Weinstock-Guttman, B. , Durfee, J. E. , Conger, A. , Carl, E. , Stuve, O. , Albright, A. , Frohman, T. C. , Bates, A. , Cox, J. L. , Dwyer, M. G. , Shah, A. , Shah, A. , Greenberg, B. , Greenberg, B. , Racke, M. K. & Zivadinov, R. (2010). A randomized, blinded, parallel-group, pilot trial of mycophenolate mofetil (CellCept) compared with interferon beta-1a (Avonex) in patients with relapsing-remitting multiple sclerosis. 3, 15-28. |
| 139. | Zeiler, S. R. , Jordan, J. D. , Greenberg, B. & Kaplan, P. W. (2010). Anna-3 associated stiff-person-syndrome. 2, 1-2. |
| 140. | Harp, C. T. , Ireland, S. , Davis, L. S. , Remington, G. , Cassidy, B. , Cravens, P. D. , Stuve, O. , Lovett-Racke, A. E. , Eagar, T. N. , Greenberg, B. , Racke, M. K. , Cowell, L. , Karandikar, N. J. , Frohman, E. & Monson, N. (2010). Memory B cells from a subset of treatment-naïve relapsing-remitting multiple sclerosis patients elicit CD4+ T-cell proliferation and IFN-γ production in response to myelin basic protein and myelin oligodendrocyte glycoprotein. 40, 2942-2956. |
| 141. | Greenberg, B. , Khatri, B. O. & Kramer, J. F. (2010). Current and emerging multiple sclerosistherapeutics. 16, 58-77. |
| 142. | Frohman, E. , Dwyer, M. G. , Frohman, T. , Cox, J. L. , Albright, A. , Greenberg, B. , Hussein, S. , Conger, A. , Calabresi, P. , Balcer, L. J. & Zivadinov, R. (2009). Relationship of optic nerve and brain conventional and non-conventional MRI measures and retinal nerve fiber layer thickness, as assessed by OCT and GDx. 282, 96-105. |
| 143. | Hussain, R. Z. , Hopkins, S. C. , Frohman, E. , Eagar, T. N. , Cravens, P. C. , Greenberg, B. , Vernino, S. & Stuve, O. (2009). Direct and consensual murine pupillary reflex metrics. 151, 164-167. |
| 144. | Hiremath, G. S. , Cettomai, D. , Baynes, M. , Ratchford, J. N. , Newsome, S. , Harrison, D. , Kerr, D. , Greenberg, B. & Calabresi, P. A. (2009). Vitamin D status and effect of low-dose cholecalciferol and high-dose ergocalciferol supplementation in multiple sclerosis. 15, 735-740. |
| 145. | Greenberg, B. (2009). Current therapies and clinical trials. 9, 42-47. |
| 146. | Nagel, M. A. , Cohrs, R. J. , Mahalingam, R. , Wellish, M. C. , Forghani, B. , Schiller, A. , Safdieh, J. E. , Kamenkovich, E. , Ostrow, L. W. , Levy, M. , Greenberg, B. , Russman, A. N. , Katzan, I. , Gardner, C. J. , Häusler, M. , Nau, R. , Saraya, T. , Wada, H. , Goto, H. , De Martino, M. , Ueno, M. , Brown, W. D. , Terborg, C. & Gilden, D. H. (2008). The varicella zoster virus vasculopathies. 70, 853-860. |
| 147. | Greenberg, B. & Williams, M. A. (2008). Infectious complications of temporary spinal catheter insertion for diagnosis of adult hydrocephalus and idiopathic intracranial hypertension. 62, 431-435. |
| 148. | Krishnan, C. , Kaplin, A. I. , Brodsky, R. A. , Drachman, D. B. , Jones, R. J. , Pham, D. L. , Richert, N. D. , Pardo, C. A. , Yousem, D. M. , Hammond, E. , Quigg, M. , Trecker, C. , McArthur, J. C. , Nath, A. , Greenberg, B. , Calabresi, P. A. & Kerr, D. A. (2008). Reduction of disease activity and disability with high-dose cyclophosphamide in patients with aggressive multiple sclerosis. 65, 1044-1051. |
| 149. | Greenberg, B. , Thomas, K. P. , Krishnan, C. , Kaplin, A. I. , Calabresi, P. A. & Kerr, D. A. (2007). Idiopathic transverse myelitis. 68, 1614-1617. |
| 150. | Greenberg, B. , Atmar, R. L. , Stager, C. E. & Greenberg, S. B. (2005). Bacteraemia in the elderly. 50, 288-295. |
| 151. | Shah, S. I. , Yip, L. , Greenberg, B. , Califano, J. A. , Chow, J. , Eisenberger, C. F. , Lee, D. J. , Sewell, D. A. , Reed, A. L. , Lango, M. , Jen, J. , Koch, W. M. & Sidransky, D. (2000). Two distinct regions of loss on chromosome arm 4q in primary head and neck squamous cell carcinoma. 126, 1073-1076. |
| 152. | Califano, J. , Van Der Riet, P. , Westra, W. , Nawroz, H. , Clayman, G. , Piantadosi, S. , Corio, R. , Lee, D. , Greenberg, B. , Koch, W. & Sidransky, D. (1996). Genetic progression model for head and neck cancer. 56, 2488-2492. |

Reviews, Chapters, Monographs and Editorials

|  |  |
| --- | --- |
| 1. | Greenberg, B. (2022). Neuroimmunological Disorders. 123-134. |
| 2. | Narayan, R. N. & Greenberg, B. (2022). Transverse Myelitis. 135-154. |
| 3. | Wang, C. & Greenberg, B. (2021). Clinical approach to autoimmune myelitis and myelopathy. 433-445. |
| 4. | Greenberg, B. & Wang, C. (2018). Transverse myelitis. 958-959. |
| 5. | Greenberg, B. (2016). Vitamin D during pregnancy and multiple sclerosis. 73, 498-499. |
| 6. | Greenberg, B. (2014). Transverse Myelitis and Acute Disseminated Encephalomyelitis. 144-152. |
| 7. | Greenberg, B. (2008). Historical Perspective. 3-4. |
| 8. | Greenberg, B. , Ratchford, J. N. & Calabresi, P. A. (2008). MULTIPLE SCLEROSIS. 685-702. |
| 9. | Greenberg, B. (2008). Viral Infections. 177-189. |
| 10. | Greenberg, B. & Johnson, R. T. (2008). Transmissible Spongiform Encephalopathies. 191-194. |
| 11. | Johnson, R. T. & Greenberg, B. (2008). Central Nervous System Viral Diseases. 469-475. |
| 12. | Greenberg, B. & Chaudhry, V. (2006). Intravenous immunoglobulin and plasmapheresis in the treatment of neurologic disease. 421-425. |
| 13. | Greenberg, B. & Chaudhry, V. (2005). Intravenous Immunoglobulin and Plasmapheresis in the Treatment of Neurologic Disease. 421-425. |
| 14. | Greenberg, B. (2004). Clinical cases in neurology from Johns Hopkins - Case 7. 6. |
| 15. | Greenberg, B. (2003). Clinical Cases in Neurology From Johns Hopkins - Case 2. 5. |

Books/Textbooks

|  |  |
| --- | --- |
| 1. | Greenberg, B. (2022). Myelopathy. |

Letters to the Editor

|  |  |
| --- | --- |
| 1. | Cree, B. A. , Greenberg, B. , Cameron, C. & Weinshenker, B. G. (2022). Letter to the Editor Regarding “Network Meta-analysis of Food and Drug Administration-approved Treatment Options for Adults with Aquaporin-4 Immunoglobulin G-positive Neuromyelitis Optica Spectrum Disorder”. 11, 1439-1443. |
| 2. | Sguigna, P. , Tardo, L. , Conger, D. , Hogan, N. & Greenberg, B. (2021). Asymptomatic retinal vasculopathy in neuropsychiatric systemic lupus erythematosus. 430. |
| 3. | Greenberg, B. (2015). Peripheral nerve involvement in adult and pediatric patients with central nervous system inflammatory disease - In reply. 72, 123-124. |
| 4. | Greenberg, B. , Wingerchuk, D. , Mealy, M. & Levy, M. (2013). In reply. 70. |
| 5. | Greenberg, B. & Williams, M. (2010). In Reply. 66, E1217. |
| 6. | Stuve, O. & Greenberg, B. (2010). Anticipated benefits and surprising effects of daclizumab in multiple sclerosis. 9, 337-338. |
| 7. | Greenberg, B. & Kerr, D. (2008). Reply from the authors [5]. 70, 160. |