

CURRICULUM VITAE

LUCA BARTOLINI, MD

*Director, Pediatric Epilepsy Program
Hasbro Children's Hospital*

*Assistant Professor of Pediatrics
Assistant Professor of Neurology
Assistant Professor of Neurosurgery*

The Warren Alpert Medical School of Brown University

Email: luca_bartolini@brown.edu

EDUCATION:

Undergraduate	Liceo Classico "Tito Livio", Padova, Italy
Medical School	University of Padova School of Medicine, Padova, Italy 09/2000 – 07/2006 Doctor of Medicine (M.D.)

POSTGRADUATE TRAINING:

Residency	<i>Obstetrics and Gynecology</i> University of Parma, Italy 07/2007 – 01/2008 <i>Pediatrics (Pediatric Neurology Track)</i> University of Padova, Italy 04/2008 – 10/2013 <i>Pediatrics</i> Children's National Medical Center / The George Washington University, Washington DC 07/2012 – 06/2013 <i>Child Neurology</i> Children's National Medical Center / The George Washington University, Washington DC 07/2013 – 06/2016
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Fellowship

Neuroscience Research

Children's National Medical Center / The George Washington University, Washington DC
National Institutes of Health, Bethesda, MD
07/2016 – 06/2017

Epilepsy

National Institutes of Health, Bethesda, MD
07/2017 – 06/2018

Clinical Neurophysiology

National Institutes of Health, Bethesda, MD
07/2018 – 06/2019

POSTGRADUATE HONORS AND AWARDS:

Research Career Symposium Scholarship

American Academy of Neurology
02/2015

Pediatric Epilepsy Fellow Pipeline Travel Scholarship

Epilepsy Foundation of America
12/2015

Sentinel of Science Award (Top 10% of Researchers contributing to the peer-review of the field of Medicine)

Publons
2016

Publons Peer Review Awards (Top 1% of peer reviewers in Medicine)

Publons
2017

"Kevin Fellow" award (<https://www.epilepsy.com/about-us/research-and-new-therapies/kevins-fellows>)

Epilepsy Foundation of America
09/2017

Emerging Leaders Program selectee (

<https://www.aan.com/conferences-community/leadership-programs/emerging-leaders/>)

American Academy of Neurology
10/2019 – 05/2020

“Hasbro Brite Lite” award (
<https://www.lifespan.org/locations/hasbro-childrens-hospital/about-hasbro-childrens-hospital/brite-lites#Luca>)
Hasbro Children’s Hospital, Providence, RI
3/2021

Leadership Excellence Advancement Program (LEAP) selectee
Hasbro Children’s Hospital, Providence, RI
4/2021

BOARD CERTIFICATIONS:

Italian National Board Certification in Pediatrics, Pediatric
Neurology track
03/2013

American Board of Psychiatry and Neurology (ABPN): Board
certification in Neurology with special qualification in Child
neurology
Certificate No. 12625
09/11/2017

American Board of Psychiatry and Neurology (ABPN): Board
certification in Epilepsy
Certificate No. 1578
10/22/2018

American Board of Psychiatry and Neurology (ABPN): Board
eligible in Clinical Neurophysiology
Present

PROFESSIONAL LICENSES

Italian National Medical License
02/2007

Educational Commission for Foreign Medical Graduates (ECFMG)
certification
02/2012

Unrestricted license to practice Medicine in the District of Columbia
01/2017 – 12/2020

Unrestricted license to practice Medicine in Rhode Island

11/2018 - present

ACADEMIC APPOINTMENTS

Research Instructor of Pediatrics
The George Washington University School of Medicine and Health
Sciences
11/2013 – 06/2017

Assistant Professor of Pediatrics
Assistant Professor of Neurology
Assistant Professor of Neurosurgery
The Warren Alpert Medical School of Brown University
8/1/2019 - present

HOSPITAL APPOINTMENTS

Director, Pediatric Epilepsy Program
Attending Pediatric Neurologist and Epileptologist
Hasbro Children's Hospital, Providence, RI
6/30/2019 - present

EDITORIAL APPOINTMENTS

Ad hoc reviewer for Neurology
1/2014 – present

Member of the Editorial Board, Neurology - Resident & Fellow
Section
10/2014 – 10/2017

Section Editor, Neurology Clinical Practice
American Academy of Neurology
4/2015 – 9/2021
https://www.neurology.org/collection/practice_current
<https://www.neurology.org/practicebuzz/landing>

Member of the Editorial Board, Frontiers in Neurology / Frontiers in
Pediatrics
10/2016 – 9/2021

Editor, Neurology Clinical Practice
American Academy of Neurology
10/2021 – 10/2031

GRANT REVIEWER

2021 University of Puerto Rico (UPR) ALLIANCE Pilot Projects
Program (PPP) reviewer

HOSPITAL COMMITTEES:

Member of the Clinical Fellows Committee
National Institutes of Health
09/2017 – 6/30/2019

Co-Chair of the Status Epilepticus Task Force
Hasbro Children's Hospital
09/2019 – present

Member of the Pediatric Intensive Care Unit Division Director
search committee
Hasbro Children's Hospital
12/2020 - present

PROFESSIONAL ORGANIZATIONS COMMITTEES:

Member of the Education on demand workgroup (eLearning
Subcommittee)
American Academy of Neurology
11/2017 – 12/2019

Member of the Pediatric Content Committee
American Epilepsy Society
11/6/2019 – 11/2022

Member of the ad hoc workgroup on Pediatric Epilepsy Resources
and contributor to "Considerations for reopening Pediatric Epilepsy
Monitoring Units during the COVID-19 pandemic"
American Epilepsy Society
4/2020 – 9/2020

Member of the Emerging Leaders Program (ELP) Participant
Selection Workgroup
American Academy of Neurology
10/10/2020 – present

Member of the Leadership Engagement Subcommittee
American Academy of Neurology
4/24/2021 – 4/28/2023

MEMBERSHIP IN SOCIETIES:

American Academy of Neurology
2013 – present

American Epilepsy Society
2015 – present

Child Neurology Society
2016 – present

PUBLICATIONS LIST:

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Suppiej A, Festa I, **Bartolini L**, Cappellari A, Trevisanuto D, Ermani M. Power spectral analysis of two-channel EEG in very preterm infants undergoing heat loss prevention. Clin Neurophysiol 2011;122(S1):S22.
2. **Bartolini L**, Gentilomo C, Sartori S, Calderone M, Simioni P, Laverda AM. Varicella and Stroke in Children: Good Outcome Without Steroids. Clin Appl Thromb Hemost 2011;17(6):E127-30.
3. **Bartolini L**, Mardari R, Toldo I, Calderone M, Battistella PA, Laverda AM, Sartori S. Norovirus Gastroenteritis and Seizures: An Atypical Case with Neuroradiological Abnormalities. Neuropediatrics 2011;42(4):167–169.
4. Toldo I, De Carlo D, Mardari R, De Palma L, Gatta M, Bolzonella B, Nosadini M, **Bartolini L**, Sartori S, Battistella PA. Short lasting activity-related headaches with sudden onset in children: a case-based reasoning on classification and diagnosis. J Headache Pain 2013;14:3.
5. **Bartolini L**, Sartori S, Lenzini E, Rigon C, Cainelli E, Agrati C, Toldo I, Donà M, Trevisson E. De novo trisomy 20p characterized by array comparative genomic hybridization: Report of a novel case and review of the literature. Gene 2013;524(2):368-72.
6. Suppiej A, Festa I, **Bartolini L**, Cappellari A, Cainelli E, Ermani M, Trevisanuto D. Power spectral analysis of two-channel EEG in very premature infants undergoing heat loss prevention. Neurophysiol Clin 2014;44(3):239-44.
7. **Bartolini L**, Burger K. Pearls & Oy-sters: Cerebral venous air embolism after central catheter removal: Too much air can kill. Neurology 2015;84(13):e94-6.
8. Sanapo L, **Bartolini L**, Chang T, Vezina G. Giant Fetal Arachnoid Cyst with Favorable Neurological Outcome. Neurology 2015;84(20):e160-1.
9. Farias-Moeller R, **Bartolini L**, Pasupuleti A, Brittany Cines RD, Kao A, Carpenter JL. A Practical Approach to Ketogenic Diet in the Pediatric Intensive Care Unit for Super-Refractory Status Epilepticus. Neurocrit Care 2017;26(2):267-272.

10. **Bartolini L**, Kao A, Zachery A, Murnick J, Gaillard WD. Homotopic motor distribution on fMRI in closed-lip schizencephaly. *Neurology* 2017;88(2):e24-e25.
11. **Bartolini L**, Whitehead MT, Ho C, Sepeta LN, Oluigbo CO, Havens K, Freilich ER, Schreiber JM, Gaillard WD. Temporal lobe epilepsy and focal cortical dysplasia in children: A tip to find the abnormality. *Epilepsia* 2017;58(1):113-122.
12. **Bartolini L**, Muscal E. Differences in Treatment of Anti-NMDA Receptor Encephalitis: Results of a Worldwide Survey. *J Neurol* 2017;264(4):647-653.
13. Farias-Moeller R, **Bartolini L**, Staso K, Schreiber JM, Carpenter JL. Early Ictal and Interictal patterns in FIRES: The Sparks Before the Blaze. *Epilepsia* 2017;58(8):1340-1348.
14. **Bartolini L**, Majidi S, Koubeissi MZ. Uncertainties from a Worldwide Survey on Antiepileptic Drug Withdrawal After Seizure Remission. *Neurol Clin Pract* 2018;8(2):108-115.
15. Badran A, **Bartolini L**, Ksendzovsky A, Ray-Chaudhury A, Abdennadher M, Zaghloul KA, Inati SK. Transient postictal blindness after a focal posterior cingulate gyrus seizure. *Seizure* 2018;54:58-60.
16. Farias-Moeller R, LaFrance-Corey R, **Bartolini L**, Wells E, Baker M, Doslea A, Suslovic W, Greenberg J, Carpenter JL, Howe C. Fueling the FIRES: Hemophagocytic lymphohistiocytosis in patients with Febrile Infection-Related Epilepsy Syndrome. *Epilepsia* 2018;59(9):1753-1763.
17. **Bartolini L**, Piras E, Sullivan K, Gillen S, Bumbut A, Lin CT, Leibovitch EC, Graves J, Waubant EL, Chamberlain JM, Gaillard WD, Jacobson S. HHV6 and EBV DNA detection and increased cytokine levels in saliva from children with seizures. *Front Neurol* 2018. *Front Neurol.* 2018;9:834.
18. George IC, **Bartolini L**, Ney J, Singhal D. Differences in treatment of epilepsy in pregnancy: A worldwide survey. *Neurol Clin Pract.* 2019;9(3):201–207.
19. **Bartolini L**, Theodore WH, Jacobson S, Gaillard WD. Infection with HHV-6 and its role in epilepsy. *Epilepsy Res.* 2019;153:34–39.
20. **Bartolini L**, Libbey JE, Ravizza T, Fujinami RS, Jacobson S, Gaillard WD. Viral Triggers and Inflammatory Mechanisms in Pediatric Epilepsy. *Mol Neurobiol.* 2019;56(3):1897–1907.
21. Ganesh A, **Bartolini L**, Wesley SF. Worldwide survey of neurologists on approach to autoimmune encephalitis. *Neurol Clin Pract.* 2020 Apr;10(2):140-148.
22. Asadi-Pooya AA, **Bartolini L**. Prevention and treatment of temporal lobe epilepsy: lessons from hepatitis B story. *Int J Neurosci* 2020;130(11):1151-1155.
23. Ganesh A, **Bartolini L**, Singh RJ, Al-Sultan AS, Campbell DJT, Wong JH, Menon BK. Equipose in management of patients with acute symptomatic carotid stenosis (hot carotid). *Neurol Clin Pract* 2020;10(2):140-148.

24. Warrior L, Kim CY, Burdick DJ, Ackerman DJ, **Bartolini L**, Cagniard KR, Dangayach NS, Dawson ET, Orjuela KD, Gordon Perue GL, Cutsforth-Gregory JK, Bahouth MN, McClean JC 2nd, DeLuca GC. Leading with inclusion during the COVID-19 pandemic: Stronger together. *Neurology*. 2020 Sep 22;95(12):537-542.
25. Raimondo E, McKinney R, Mason K, **Bartolini L**. Teaching Video Neuroimages: Ictal unilateral eye blinking in temporal lobe seizures: An illustrative video case. *Neurology*. 2021 Feb 16;96(7):e1094-e1095
26. Phillips O, Radoeva P, **Bartolini L**. Delayed transhemispheric propagation of electrographic seizures following functional hemispherectomy. *Clin Neurol Neurosurg*. 2021 Feb;201:106418
27. **Bartolini L**. Mechanisms of neuroinflammation in epilepsy linked to HHV-6 infection. *Drug Discov Today*. 2020; 32(Part A):53-57.
28. Abdennadher M, Inati S, Soldatos A, Norato G, Baker EH, Thurm A, **Bartolini L**, Masvekar R, Theodore W, Bielekova B, Porter FD, Dang Do AN. Seizure phenotype in CLN3 disease and its relation to other neurologic outcome measures. *J Inherit Metab Dis*. 2021 Feb 7. doi: 10.1002/jimd.12366. Epub ahead of print. PMID: 33550636.
29. Ganesh A, **Bartolini L**, Singh RJ, Al-Sultan AS, Campbell DJT, Wong JH, Menon BK. Equipoise in Management of Patients With Acute Symptomatic Carotid Stenosis (Hot Carotid). *Neurol Clin Pract*. 2021 Feb;11(1):25-32.
30. Wiwattanadittakul N, Suwannachote S, You X, Cohen NT, Tran T, Phuackchantuck R, Tsuchida TN, Depositario-Cabacar DF, Zelleke T, Schreiber JM, Conry JA, Kao A, **Bartolini L**, Oluigbo C, Almira-Suarez MI, Havens K, Whitehead MT, Gaillard WD. Spatiotemporal distribution and age of seizure onset in a pediatric epilepsy surgery cohort with cortical dysplasia. *Epilepsy Res*. 2021 May;172:106598.
31. **Bartolini L**, Moran MP, Norato G, Thomas B, Dick DA, Wells E, Suslovic W, Bumbut A, Chamberlain JM, Theodore WH, Gaillard WD, Jacobson S. Differential Activation of Neuroinflammatory Pathways in Children with Seizures: A Cross-Sectional Study. *Seizure*. 2021 May 31;91:150-158.

PUBLISHED PEER-REVIEWED COMMENTARIES

1. **Bartolini L**. Practice Current: How Do You Treat Anti-NMDA receptor Encephalitis? *Neurol Clin Pract* 2016;6(1):69-72.
2. **Bartolini L**. Practice Current: What is your diagnostic evaluation of cryptogenic stroke? *Neurol Clin Pract* 2016;6(3):271-276.
3. **Bartolini L**. Practice Current: When do you stop antiepileptic drugs in patients with genetic generalized epilepsies and in those with focal epilepsies? *Neurol Clin Pract* 2016;6(6):530-537.

PUBLISHED BOOK CHAPTERS

1. **Bartolini L**, Kline J (2020). Acute Ataxia. Chapter 15. In: Bachur, Richard G.; Shaw, Kathy N.; Chamberlain, James (Ed.). Fleisher & Ludwig's Textbook of Pediatric Emergency Medicine, 8th Edition. Lippincott Williams & Wilkins (LWW). ISBN: 978-1-97-512151-8.

PUBLISHED EDITORIALS/LETTERS

1. **Bartolini L**, Millichap J. Editorial. Practice Current: A New Way of Interpreting Contemporary Neurology. Neurol Clin Pract 2016;6(1):14-15.
2. **Bartolini L**. Editorial. Practice Current: Establishing Worldwide Connections. Neurol Clin Pract 2016;6(6):470-471.
3. **Bartolini L**. "Curious George Goes to the Hospital": teaching toddlers how good healthcare works. BMJ. 2018;360:k487.
4. **Bartolini L**. Author Response: Uncertainties from a worldwide survey on antiepileptic drug withdrawal after seizure remission. Neurol Clin Pract 2018;8(4).

PUBLICATIONS SUBMITTED/UNDER REVIEW

1. Watson G, Afra P, **Bartolini L et al**. A Journey into the Unknown: An Ethnographic Examination of Drug-resistant Epilepsy Treatment Management in the United States. 2021, under review

PUBLISHED ABSTRACTS:

1. Anfuso S, Quarantelli E, Patrelli TS, **Bartolini L** et Al. Neonatal outcome in patients with preterm labor under tocolytic therapy vs. expectant management. J Perinat Med 2007;35(S2):106.
2. Anfuso S, Gagliano N, **Bartolini L**, Patrelli TS et Al. Growth discordance in twin pregnancies: a study on 280 newborns. J Perinat Med 2007;35(S2):55.
3. **Bartolini L**, Richardson PK. Unusual presentation of Hirayama's disease in a middle-aged Spanish woman. Muscle Nerve 2014;50(4):626.
4. **Bartolini L**, Whitehead M, Ho CY, Sepeta L, Oluigbo C, Havens K, Freilich E, Schreiber J, Gaillard WD. Temporal lobe epilepsy and focal cortical dysplasia in children: MRI findings and pathology. 2015 AES annual meeting proceedings. Abstract 3.301.
5. **Bartolini L**, Leibovitch E, Vellucci A, Lin CT, Chamberlain J, Sullivan K, Bumbut A, Thomas B, Wells E, Ziobro J, Gaillard WD, Jacobson S. Viral markers in children with seizures: preliminary data from a prospective observational hypothesis generating study. 2016 AES annual meeting proceedings. Abstract 1.084.

6. Suwannachote S, Wiwattanadittakul N, You X, Whitehead MT, Oluigbo C, Tsuchida TN, Depositario-Cabacar D, Zelleke T, Schreiber JM, Kao A, Conry JA, Vu T, **Bartolini L**, Havens K, Boutzoukas E, Gaillard WD. Age-related clinical onset with volume of brain imaging in focal cortical dysplasia and hemimegalencephaly of intractable childhood epilepsy. 2017 AES annual meeting proceedings. Abstract 1.231.
7. Farias-Moeller R, **Bartolini L**, Wells E, Baker M, Doslea A, Suslovic W, Greenberg J, Howe C, Carpenter JL. Fueling the FIRES: Hemophagocytic lymphohistiocytosis in patients with Febrile-Infection Related Epilepsy Syndrome. 2017 AES annual meeting proceedings. Abstract 2.159.
8. **Bartolini L**, Piras E, Sullivan K, Gillen S, Lin CT, Leibovitch E, Chamberlain J, Gaillard WD, Jacobson S. Detection of HHV-6 and EBV and cytokine expression in saliva from children with seizures: results of a cross-sectional study. 2017 AES annual meeting proceedings. Abstract 1.068.
9. **Bartolini L**, Moran MP, Leibovitch E, Thomas B, Dick AD, Wells E, Suslovic W, Bumbut A, Chamberlain J, Gaillard WD, Jacobson S. Proinflammatory cytokines in blood from children with seizures: preliminary results of a cross-sectional study. 2018 AES annual meeting proceedings. Abstract 3.087.
10. Gordon T, Squirewell C, Abdennadher A, Brownrout J, **Bartolini L**, Inati SK, Thurm A, Khan OI. Comparative Analysis Using Global EEG Topography of Brain Resting States in Children. 2019 AES annual meeting proceedings. Abstract 3.177.
11. Squirewell C, Gordon T, Abdennadher A, **Bartolini L**, Inati SK, Brownrout J, Khan OI. Comparative Analysis Using Global EEG Topography of Brain Resting States in Patients with Multi-Drug Resistant Temporal Lobe Epilepsy. 2019 AES annual meeting proceedings. Abstract 1.189.
12. **Bartolini L**, Moran MP, Norato G. et al. Differential Activation of Neuroinflammatory Pathways in Children with Seizures. 2019 AES annual meeting proceedings. Abstract 1.081.
13. **Bartolini L**, Chan F, Wu Q, Gamsiz E, Oluigbo C, Gaillard W, Liu J. Differential gene expression analysis of RNA-sequencing data in Rasmussen encephalitis. 2020 AES annual meeting proceedings. Abstract 394.
14. Chan F, **Bartolini L**, Wu Q, Usai SE, Chan B, Lewis C, Uzun E, Neretti N, Oluigbo C, Gaillard WD, Liu JS. Integrated transcriptomics-metabolomics analysis implicates dysfunction of lysine metabolism in tuberous sclerosis complex. 2020 AES annual meeting proceedings. Abstract 218.
15. Lala N, Kanach C, Montalvo-Perero M, Welsh S, Brown W, **Bartolini L**, Delalle I, Patil R. MULTILobar FOCAL CORTICAL DYSPLASIA TYPE IIA IN A CHILD PRESENTING WITH FEBRILE INFECTION-RELATED EPILEPSY SYNDROME (FIRES). 2020 AES annual meeting proceedings. Abstract 827.

SCHOLARLY WORK PUBLISHED ONLINE:

1. **Bartolini L**, Richardson PK. "Unusual presentation of Hirayama's disease in a middle-aged Spanish woman". Online CME case study for the American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM). Available at: <https://www.aanem.org/Education/All-Education-Products/Product-Details?productid={3488B316-4177-E511-BAA1-00155D0A6803}>

PODCASTS (as Editor/Moderator):

1. **Neurology journal** podcast. July 1, 2020. Available at <http://neurology.aan.libsynpro.com/website/diagnosis-and-management-of-post-concussive-headache-practice-current-july-2020>
2. **Neurology journal** podcast. March 29, 2019. Available at <https://neurology.libsyn.com/website/practice-current-autoimmune-encephalitis-the-role-of-antibody-testing>
3. **Neurology journal** podcast. April 2, 2018. Available at: <https://neurology.libsyn.com/website/practice-current-managing-epilepsy-during-pregnancy-april-2018>
4. **Neurology journal** podcast. June 1, 2017. Available at: <https://neurology.libsyn.com/website/practice-current-antiepileptic-drug-discontinuation>
5. **Neurology journal** podcast. September 30, 2017. Available at: <https://neurology.libsyn.com/website/delayed-recall-practice-current-treatment-of-neuromyelitis-optica-october-2017>

INVITED PRESENTATIONS:

INTERNATIONAL:

1. Speaker: **Luca Bartolini, MD**. "Growth discordance in twin pregnancies: a study on 280 newborns".
8th World Congress of Perinatal Medicine, Florence (Italy)
09/2007
1. Speaker: **Luca Bartolini, MD**. "Asymptomatic abruptio placentae"
83rd Italian Society of Obstetrics and Gynecology National Congress, Naples (Italy)
10/2007
2. Speaker: **Luca Bartolini, MD**. "*HeadTalks: Neurology Clinical Practice: Practice Current*"
68th Annual Meeting, American Academy of Neurology (AAN), Vancouver (Canada)
4/2016

3. Speaker: **Luca Bartolini, MD**. *“Practice Current: Share your Best Practices and Compare in Real-time with International Peers and Experts”*
69th Annual Meeting, American Academy of Neurology (AAN), Boston, MA
4/2017
4. Speaker: **Luca Bartolini, MD**. *“Headtalks. How does your practice fare when compared to international peers and experts?”*
69th Annual Meeting, American Academy of Neurology (AAN), Boston, MA
4/2017
5. Investigators Workshop. Inflammation and Epilepsy: where do we stand and where do we go from here? Speakers: **Luca Bartolini, MD**; Annamaria Vezzani, PhD; Jacqueline French, MD Moderator: William H. Theodore, MD
2017 American Epilepsy Society (AES) Annual Meeting, Washington, DC (USA)
12/2017
6. Speaker: **Luca Bartolini, MD**. *“The Role of Inflammation in Epilepsy: Biomarkers and New Therapeutic Targets”*
University of Turin, Italy
7/2018
7. Speaker: **Luca Bartolini, MD**. *“The Role of Inflammation in Epilepsy: Biomarkers and New Therapeutic Targets”*
University of Padua, Italy
7/2018
8. Speaker: **Luca Bartolini, MD**. *“The Role of Inflammation in Epilepsy: Biomarkers and New Therapeutic Targets”*
Carlo Besta Neurological Institute, Milan, Italy
7/2018
9. Speaker: **Luca Bartolini, MD**. *“Ontogeny of semiology: transitional signs from pediatrics to adulthood”*.
2020 American Clinical Neurophysiology Society (ACNS) Annual Meeting, New Orleans, LA (USA)
2/2020
10. Organizer/moderator: **Bartolini, L**. *“Epilogo 2020: Bringing Junior Investigators and Clinicians Together To Talk About Translational Science in Epilepsy”*. Italian League Against Epilepsy webinar. 7/11/2020 (virtual due to COVID19)
11. Speaker: **Luca Bartolini, MD**. *Immune-Mediated Epilepsies*. Virtual Symposium of Pediatric Neuroimmunology. Colombian Association of Child Neurology (ASCONI). 11/21/2020 (virtual due to COVID19)

NATIONAL:

1. Speaker: **Luca Bartolini, MD**. “Anti-NMDAr Encephalitis after HSV Encephalitis”
Professorial Rounds, Children’s National Hospital, Washington DC (USA)
1/2016
2. Speaker: **Luca Bartolini, MD**. “Treatment of anti-NMDAr encephalitis: results of a worldwide survey”
Building Bridges: Pediatric Autoimmune Encephalitis Treatment Consensus Meeting, Washington DC (USA)
11/2016
2. Speaker: **Luca Bartolini, MD**. “When ADHD is the Tip of the Iceberg”
Clinical Neuroscience Grand Rounds, National Institutes of Health, Bethesda, MD (USA)
10/2017
3. Speaker: **Luca Bartolini, MD**. “Stiripentol for Dravet syndrome”
Clinical Neuroscience Grand Rounds, National Institutes of Health, Bethesda, MD (USA)
2/2018
4. Speaker: **Luca Bartolini, MD**. “HHV6 and EBV DNA Detection and Increased Cytokine Levels in Saliva from Children with Seizures”
Clinical Neuroscience Grand Rounds, National Institutes of Health, Bethesda, MD (USA)
3/2018
5. Speaker: **Luca Bartolini, MD**. “Hemophagocytic Lymphohistiocytosis (HLH) in Febrile Infection-Related Epilepsy Syndrome (FIREs)”
Clinical Neuroscience Grand Rounds, National Institutes of Health, Bethesda, MD (USA)
9/2018
6. Speaker: **Luca Bartolini, MD**. “Differential Activation of Neuroinflammatory Pathways in Children with Seizures”
Neurology Grand Rounds, Children’s National Hospital, Washington DC (USA)
5/2019
7. Speaker: **Luca Bartolini, MD**. “Three Classic Cases Of Seizures in Children: Febrile Seizures, Childhood Absence Epilepsy And Temporal Lobe Epilepsy”; “Migraine Headache In Children: When And How To Treat”
Colby/Brown Pediatrics Course, Colby College, Waterville, ME (USA)
7/2020 (postponed due to COVID19)

REGIONAL

1. Speaker: **Luca Bartolini, MD**
Concept to Startup course (Neur1930J), Brown University School of Engineering
3/2020 (virtual due to COVID19)
2. Speaker: **Luca Bartolini, MD** “Pharmaco-resistant Epilepsy: “What are the Options when Medical Therapy is Not Enough to Control Seizures”
Pediatric Grand Rounds, Hasbro Children’s Hospital
3/2020 (virtual due to COVID19)
3. Speaker: **Luca Bartolini, MD** “Differential Gene Expression Analysis of RNA-Sequencing Data in Rasmussen Encephalitis”
4th Annual Celebration of Pediatric Scholarship, Brown University.
10/2020 (virtual due to COVID19)
4. Speaker: **Luca Bartolini, MD**. Differential Gene Expression Analysis of RNA-Sequencing Data In Rasmussen Encephalitis. Yale University Monday Afternoon Coffee Seminars in Epilepsy Research (MACSIE). 1/25/21 (virtual due to COVID19)
5. Speaker: **Luca Bartolini, MD**. “Immune-Mediated Epilepsies: A Hard Nut To Crack”. Yale University Pediatric Neurology update. 2/8/2021 (virtual due to COVID19)
6. Speaker: **Luca Bartolini, MD** “Pharmacoresistant Epilepsy in Children: Why Early Diagnosis and Appropriate Treatment Should Be Our Priority”
University of Rhode Island (URI) Collaborative Office Rounds
3/2021 (virtual due to COVID19)
7. Speakers: **Luca Bartolini, MD**, Brian Kavanaugh, PsyD “Epilepsy and Neurocognitive Function in Patients with Neurogenetic Disorders”
Brown University Translational Research Seminar
4/2021 (virtual due to COVID19)

GRANTS:

Active:

Advance Clinical and Translational Research / Brown University IDeA grant (NIH U54GM115677)

“Epilepsy and Neurocognitive Function in Patients with Neurogenetic Disorders”

Role: Co-PI

5/1/2020 – 12/7/2021

\$104,580

Children's Miracle Network Annual Scholar Award
"Transcriptomics Analysis of Brain Specimens from Children with Rasmussen Encephalitis"
Role: PI
10/1/2021 – 9/30/2022
\$25,000

NIH/ NINDS RO1 NS104428-01
"The Circadian Molecular Clock in Pediatric Refractory Focal Epilepsy."
Role: Co-I (PI Dr. Judy Liu)
2/01/2019-1/31/2023

Completed:

Socrates-Erasmus Exchange Medical School Scholarship
University Joseph Fourier, Grenoble (France)
09/2003 – 03/2004

American Epilepsy Society / Epilepsy Foundation of America
Research and Training Fellowship for Clinicians
"Research study on viral and inflammatory causes of epilepsy".
Role: PI
7/1/2017 – 6/30/2018
\$50,000

UNFUNDED RESEARCH ACTIVITY:

Hasbro Children's Hospital Site Principal Investigator / Representative
Member of the Pediatric Epilepsy Surgery and Infantile Spasms SIG
Pediatric Epilepsy Research Consortium (PERC)
May 2021 – present

Principal Investigator (PI)
"Analysis of anti-seizure medication side-effects leading to discontinuation of therapy in pediatric epilepsy"
November 2020 – present
(Abstract submitted to the 2021 American Epilepsy Society Annual Meeting, manuscript in preparation)

Co-Investigator (Co-I)
"Natural history of ASH1L associated autism and neural cellular studies" (PI Dr. Judy Liu)
December 2020 – present

Co-Investigator (Co-I)

“Electroencephalographic, genetic characteristics and treatment response in pediatric epilepsy associated with autism spectrum disorders” (PI Dr. Duyu Nie)

March 2021 – present

Co-Investigator (Co-I)

“Anxiety as a predictor of family burden, functional impairment, and quality of life in pediatric patients with epilepsy” (PI Dr. Christine Trask)

September 2020 - present

Research Statement:

During my training and career as a clinician-scientist I have been involved in several clinical and translational research projects regarding epilepsy, ranging from studying viral and inflammatory mechanisms involved in the pathophysiology of epilepsy (funded by an American Epilepsy Society/Epilepsy Foundation early career grant), to imaging characteristics of pharmacoresistant pediatric epilepsy and to inflammatory mechanisms involved in super-refractory status epilepticus in children. As part of my long-standing interest in advancing child health research, I authored more than 30 peer-reviewed articles including first author publications in *Epilepsia*, *Epilepsy Research* and *Molecular Neurobiology*.

I am currently co-PI of the study "Epilepsy and Neurocognitive Function in Patients with Neurogenetic Disorders", funded by Advance-CTR at Brown University through a IDeA-CTR grant (U54GM115677) to study neurophysiological features of children affected by Christianson syndrome.

A common theme of my previous and current research has been decoding the role of neuroinflammation in epilepsy. My current efforts are focused on gene expression analysis of surgically resected specimens from children with Rasmussen encephalitis and focal cortical dysplasia. My overarching research goal is to elucidate disease mechanisms involved in the development of pharmacoresistant epilepsy in children, with the aim of translating these discoveries into clinical practice as potential targets for novel therapeutic approaches and ultimately to improve the quality of life of children affected by this devastating condition and their families.

PRESS MENTIONS:

Featured on ABC6 news on 6/2/2021: <https://www.abc6.com/hasbro-childrens-hospital-names-2020-brite-lite-recipients/>

Featured on NBC10 news on 6/2/2021: <https://turnto10.com/news/local/hasbro-childrens-hospital-employees-named-2020-brite-lite-award-winners>

Featured on the 2021 Hasbro Children's Hospital Radiothon on 5/13/2021

Featured on NBC10 news on 7/30/2020:

<https://turnto10.com/features/health-landing-page/hasbro-childrens-hospital-using-advanced-techniques-to-help-kids-with-epilepsy>

Featured in the HHV-6 Foundation October 2018 Newsletter:

<https://hhv-6foundation.org/encephalitis-encephalopathy/hhv-6-viral-load-correlates-with-il-1%ce%b2-elevated-in-children-with-febrile-seizures>

Featured expert opinion in: Shaw G. In the Clinic-Autoimmune Encephalitis: Persistent Cognitive, Neuropsychological Deficits After Anti-NMDAR Encephalitis Require Therapy, Study Suggests. *Neurology Today* 2018;18(11):16-17.

Featured in: Falasforgia P. La ricerca della felicità. *Italians in DC* (Italian). Published online on 4/7/2018. Available at: <http://italiansindc.com/la-ricerca-della-felicità-2/>

Featured in: Rosano L. Laura e Luca, coppia di scienza italiana in USA per amore della ricerca medica. *La Voce Di New York* (Italian). Published online on 9/27/2017. Available at: <https://www.lavocedinewyork.com/people/nuovo-mondo/2017/09/27/luca-bartolini-laura-sanapo-coppia-di-scienza-italiana-in-usa-per-amore-della-ricerca-medica/>

Featured in: Rosano L. Laura e Luca, coppia di scienza italiana in USA per amore della ricerca medica. *La Voce Di New York* (Italian). Published online on 9/27/2017. Available at: <https://www.lavocedinewyork.com/people/nuovo-mondo/2017/09/27/luca-bartolini-laura-sanapo-coppia-di-scienza-italiana-in-usa-per-amore-della-ricerca-medica/>

Featured in: It's Current. *Epilepsy Curr* 2017;17(4):317-8.

Featured opinion in: Fallik D. Burnout Starts as Early as Neurology Residency, New Survey Finds. *Neurology Today* 2017;17(14):10–13.

Featured in the HHV-6 Foundation June 2017 Newsletter. Available at: <https://hhv-6foundation.org/uncategorized/congratulations-to-luca-bartolini-for-his-american-epilepsy-society-grant>

Featured in: Collins TR. Practice Current: How do you treat epilepsy in pregnancy? *Neurology Today* 2017;17(11): 40–43.

Featured subject of front-page article in *Neurology Today*: Talan J. When Guidelines Aren't Available, How Do You Treat...?: Neurology Turns to Clinical Practice Surveys. *Neurology Today* 2016;16(4):33–34.

Featured interviewee in the *Neurology journal* weekly podcast. March 29, 2016. Available at: <https://neurology.libsyn.com/website/march-29-2016-issue>

HOSPITAL TEACHING, ADVISING and MENTORING ROLES:

1. Supervisor and research mentor of Mr. Michael P. Moran, Post-baccalaureate Intramural Research Training Awardee (IRTA) at the National Institute of Neurological Disorders and Stroke / National Institutes of Health
09/2017 – 05/2019
2. Research advisor of Mr. Samer Wahood, Sc.B. Candidate – Computational Biology. Brown University.
7/2019 – 9/2019
3. Career advisor of Ms. Tatiana Abrantes, Medical Student. Brown University.
4. Career advisor of Ms. Tess Gabert, Medical Student. Brown University
5. Supervisor and research mentor of Ms. Julia Bassell, Medical Student. Brown University
10/2020 – 4/2021
6. Supervisor and research mentor of Ms. Karen Lob, Medical Student. Brown University
3/2021 – present