

CURRICULUM VITAE

Matthew Harmelink MD

**Chief, Associate Professor
Department of Neurology
Division of Pediatric Neurology**

OFFICE ADDRESS:

Children's Wisconsin - Milwaukee Hospital
8915 W Connell Court
Milwaukee, WI 53226

EDUCATION:

09/2001 - 12/2004 B.S., University of Wisconsin, Madison, WI
09/2001 - 12/2004 B.S., University of Wisconsin, Madison, WI
09/2005 - 05/2009 M.D., Medical College of Wisconsin, Milwaukee, WI
09/2005 - 05/2009 M.D., Medical College of Wisconsin, Milwaukee, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2009 - 06/30/2012 Residency in Pediatrics, University of California-Irvine
07/01/2012 - 06/30/2015 Fellow, Department of Neurology, Division of Pediatric Neurology, Medical College of Wisconsin, 8701 Watertown Plank Rd, Milwaukee, WI 53226
07/01/2012 - 06/30/2015 Fellowship in Child Neurology, Medical College of Wisconsin
07/01/2015 - 06/30/2016 Fellow, Department of Neurology, Division of Neuromuscular Medicine, 300 Medical Plaza, Suite B-200, Los Angeles CA 90095
07/01/2015 - 06/30/2016 Fellowship in Neuromuscular Medicine, UCLA
07/01/2019 - 06/30/2012 Resident, Department of Pediatrics, University of California-Irvine, 333 The City Blvd. West, Suite 800, Orange CA 92868-4

MILITARY SERVICE:

None

FACULTY APPOINTMENTS:

07/2016 - Present Assistant Professor, Department of Neurology, Division of Child Neurology, Medical College of Wisconsin
07/2016 - Present Assistant Professor, Department of Neurology, Division of Child Neurology
9000 - Present W. Wisconsin Ave CCC Suite 540, Milwaukee, Wisconsin 53226

ADMINISTRATIVE APPOINTMENTS:

07/2016 - Present Director of Pediatric Neuromuscular Program, Medical College of Wisconsin
07/2016 - Present Director of Pediatric Neuromuscular Program, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226
09/2017 - Present Member of Visibility and Marketing Committee, Department of
09/2017 - Present Member of Visibility and Marketing Committee, Department of Neurology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226
Neurology, Medical College of Wisconsin

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

07/2016 - Present Child Neurology Residency Neuromuscular Rotation Director, Child Neurology Residency, Department of Neurology, Division of Child Neurology, Medical College of Wisconsin
07/2016 - Present Child Neurology Residency Neuromuscular Rotation Director, Child Neurology Residency,

Department of Neurology, Division of Child Neurology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

07/2016 - 10/2017 Pediatric Residency Neurology Rotation Director, Pediatric Residency, Department of Pediatrics, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

07/2016 - 10/2017 Pediatric Residency Neurology Rotation Director, Pediatric Residency, Department of Pediatrics, Medical College of Wisconsin

10/2016 - 10/2017 Associate Program Director, Child Neurology Residency, Department of Neurology, Division of Child Neurology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

10/2016 - 10/2017 Associate Program Director, Child Neurology Residency, Medical College of Wisconsin

07/2017 - Present Child Psychiatry Fellowship Neurology Rotation Director, Child Psychiatry Fellowship, Department of Psychiatry, Division of Child Psychiatry, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

07/2017 - Present Child Psychiatry Fellowship Neurology Rotation Director, Child Psychiatry Fellowship, Department of Psychiatry, Division of Child Psychiatry, Medical College of Wisconsin

2019 - Present Neuroscience Task Force Educational Committee, Medical College of Wisconsin

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

07/2016 - Present Director of Pediatric Neuromuscular Clinic, Children's Hospital of Wisconsin

07/2016 - Present Director of Pediatric Neuromuscular Clinic, Children's Hospital of Wisconsin, 9000 W. Wisconsin Ave CCC Suite 540, Milwaukee, WI 53226

07/2018 - Present Niche Drug Committee, Children's Hospital of Wisconsin

W. Wisconsin Ave CCC Suite 540, Milwaukee, WI 53226

RESEARCH ADMINISTRATIVE APPOINTMENTS:

08/2017 - Present Research Steering Committee, Department of, Division of Child Neurology

08/2017 - Present Research Steering Committee, Department of, Division of Child Neurology

02/2019 - Present Human Gene Transfer Scientific Research Committee, Medical College of Wisconsin Neurology, Medical College of Wisconsin

- 9000 Neurology, 9000 W. Wisconsin Ave CCC Suite 540, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

07/2016 - Present Froedtert Memorial Lutheran Hospital, Milwaukee, WI

07/2016 - Present Children's Hospital of Wisconsin, Milwaukee, WI

07/2016 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

07/2016 - Present Children's Hospital of Wisconsin, 9000 W. Wisconsin Ave CCC Suite 540

11/2016 - Present Children's Hospital of Wisconsin - Fox Valley, 333 N. Commercial Street, Ste. Milwaukee, WI 53226

11/2016 - Present Children's Hospital of Wisconsin - Fox Valley, Neenah, WI 400, Neenah, WI 54956

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
ABPN- Neurology with certification	09/2016	10/2026
ABPN- Neurology with certification	09/2016	10/2026
American Board of Pediatrics 10/2012 10/2022, CME ended	12/2017	None
American Board of Pediatrics 10/2012 10/2022, CME ended	12/2017	None
Neuromuscular Medicine	10/2018	10/2028
Neuromuscular Medicine		None
Child Neurology		None
Child Neurology		None

Electrodiagnostic Medicine	None
Electrodiagnostic Medicine	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
None			None
None			None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
California (retired)	AFE-114128	09/2010	06/30/2018
California (retired)	AFE-114128	09/2010	06/30/2018
Wisconsin License	57227-20	05/2012	10/31/2019
Wisconsin License	57227-20	05/2012	10/31/2019

AWARDS AND HONORS:

2009 - 2010 Intern of the Year, University of California-Irvine Pediatric Residency, Orange, CA
 2009 - 2010 Intern of the Year, University of California-Irvine Pediatric Residency, Orange, CA
 2010 - 2011 Second year Resident of the Year, University of California-Irvine Pediatric Residency
 2010 - 2011 Second year Resident of the Year, University of California-Irvine Pediatric Residency
 2011 - 2012 Resident Teaching Award, University of California-Irvine Pediatric Residency, Orange
 2011 - 2012 Director's Award, University of California-Irvine Pediatric Residency, Orange, CA
 2011 - 2012 Resident Teaching Award, University of California-Irvine Pediatric Residency, Orange
 2011 - 2012 Director's Award, University of California-Irvine Pediatric Residency, Orange, CA
 2012 - 2013 Medical College of Wisconsin's Outstanding Medical Student Teaching Award
 2012 - 2013 Medical College of Wisconsin's Outstanding Medical Student Teaching Award
 2014 - 2015 Fellow Teaching Award, Pediatric Residency Medical College of Wisconsin, Milwaukee
 2014 - 2015 Fellow Teaching Award, Pediatric Residency Medical College of Wisconsin, Milwaukee
 2015 - Present AOA induction by medical students, Medical College of Wisconsin, Milwaukee, WI
 2015 - Present AOA induction by medical students, Medical College of Wisconsin, Milwaukee, WI
 WI
 CA
 Milwaukee, WI
 CA
 Milwaukee, WI
 Orange, CA
 WI
 Orange, CA

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2008 - 2009 Wisconsin Medical Society (Member (2009 Clinical Outcomes Committee member and voting delegate))
 2008 - 2009 Wisconsin Medical Society (Member (2009 Clinical Outcomes Committee member))
 2009 - 2012 American Academy of Pediatrics (Resident Member)
 2009 - 2012 American Academy of Pediatrics (Resident Member)
 2012 - 2016 Wisconsin Neurologic Society (Trainee Member)
 2012 - Present AAN (Member)
 2012 - 2016 American Academy of Neurology (Trainee Member)
 2012 - 2016 Wisconsin Neurologic Society (Trainee Member)
 2013 - 2018 Child Neurologic Society (Member)
 2013 - 2015 Child Neurologic Society (Junior Member)
 2015 - 2018 AAN Podcast Committee member
 2015 - Present AAN Podcast Committee member
 2015 - Present AANEM
 2015 - Present AANEM
 2016 - Present Myasthenia Gravis of American Scientific Advisory Board Member

2016 - Present AAN (Member)
2016 - Present Myasthenia Gravis of American Scientific Advisory Board Member
2017 - Present Child Neurologic Society (Member)
and voting delegate)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review

09/2015 - Present Ad Hoc Reviewer for Frontiers in Neurology
2015 - 1 Article
2017 - 1 Article

Ad-Hoc Reviewer

2015 - 1 Article
2017 - 1 Article
2019 - 1 Article
Annals of Clinical and Translational Neurology
Frontiers in Neurology

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

General Member and Member of Financial Committee, Board of Directors. Three Gaits Therapeutic Riding Barn
General Member and Member of Financial Committee, Board of Directors. Three Gaits Therapeutic Riding Barn, 3741 Hwy 138 W Stoughton, WI 53589.

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

Advisor, Hopeful Together, Inc (Non-Profit for Congenital Muscular Dystrophy)

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Muscular Dystrophy Association Clinic Grant
Source:	Muscular Dystrophy Association
Role:	PI/Clinic Director
Dates:	01/01/2017 - 12/31/2019
Direct Funds:	\$30,000 (for all three years)
Title:	Role of astrocyte-produced miR-146a in SMA pathology
Source:	CureSMA
Role:	Co-Investigator
PI:	Alison Ebert, PhD
Dates:	01/01/2017 - 12/31/2018
Direct Funds:	\$150,000
Title:	Muscular Dystrophy Association Clinic Grant
Source:	Muscular Dystrophy Association
Role:	PI/Clinic Director
Dates:	01/01/2017 - 12/31/2019
Direct Funds:	\$30,000 (for all three years)
Title:	Parent Project Muscular Dystrophy Clinic Grant
Source:	Parent Project Muscular Dystrophy
Role:	PI
PI:	Alison Ebert, PhD

Dates: 01/01/2019 - 12/31/2019
Direct Funds: \$10,000

Non-Peer Review

Title: EAP-001
Source: Catalyst
Role: Site PI
Dates: 11/09/2016 - Present

Title: SRP-4045 and SRP-4053 in Patients with Duchenne Muscular Dystrophy
Source: Serepta
Role: Site PI
Dates: 10/2017 - Present

Title: A State-wide Spinal Muscular Atrophy Newborn Screening Pilot in Wisconsin
Source: CureSMA
Role: Co-Investigator
PI: Mei Baker, MD
Dates: 01/01/2018 - 12/31/2018
Direct Funds: \$211,247

Title: Psychosocial Impact of Newborn Screening for Spinal Muscular Atrophy
Source: CureSMA
Role: Co-Investigator, Site PI
PI: Anita Lavoxa, PhD
Dates: 01/01/2018 - 12/31/2018
Direct Funds: \$211,247

Title: Evaluation of Neuromuscular Genetic Diseases Based Upon Use of a Commercial Panel from
Source: Invitae (Data only, no funding), Internal Neurology Department Funding
Role: PI
Dates: 01/05/2018 - Present

Title: Retrospective Evaluation of Utility of Testing in Pediatric Patients
Source: Medical College of Wisconsin Internal Grant
Role: PI
Dates: 06/11/2018 - Present

Title: Placebo Controlled Study to Assess the Efficacy and Safety of MNK-1411 in
Source: Mallinckrodt Pharmaceuticals
Role: Site PI
Dates: 08/03/2018 - Present

Title: PTC - Ataluren in Patients with Nonsense Mutation Duchenne Muscular Dystrophy
Source: PTC
Role: Site PI

Dates:	08/06/2018 - Present
Title:	A Phase 2, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating the Safety and
Role:	Site PI
Dates:	09/13/2018 - Present
Title:	Neuromuscular and Neuromuscular Testing Study Data Bank
Source:	Internal Departmental Funding
Role:	PI
Dates:	10/26/2018 - Present
Title:	Neuromuscular Pediatrician Educational Grant
Source:	Sarepta, Inc
Role:	PI
Dates:	01/01/2019 - 12/31/2019
Direct Funds:	\$40,000
Title:	POMGnT1 Muscle-Eye-Brain Databank and Registry
Source:	Internal Departmental Funding
Role:	PI
Dates:	02/01/2019 - Present
Title:	A Phase 2, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating the Safety and Efficacy of Intravenous Delivery of Allogeneic Cardiosphere-Derived Cells in Subjects with Duchenne Muscular Dystrophy
Role:	Site PI
Title:	Placebo Controlled Study to Assess the Efficacy and Safety of MNK-1411 in
Source:	Mallinckrodt Pharmaceuticals
Role:	Site PI
Title:	SRP-4045 and SRP-4053 in Patients With Duchenne Muscular Dystrophy
Source:	Serepta
Role:	Site PI
Title:	PTC - Ataluren in Patients with Nonsense Mutation Duchenne Muscular Dystrophy
Source:	PTC
Role:	Site PI

**Pending
Peer Review**

Title:	Aberrant astrocyte senescence in SMA
Source:	NIH
Role:	Co-Investigator

PI:	Alison Ebert, PhD
Dates:	04/01/2019 - 04/01/2023
Direct Funds:	\$1,942,611
 Title:	 Aberrant astrocyte senescence in SMA
Source:	NIH
Role:	Co-Investigator
PI:	Alison Ebert, PhD
Dates:	04/01/2019 - 04/01/2023
Direct Funds:	\$1,942,611

Prior

Peer Review

Non-Peer Review

Title:	Nusinersen in Spinal Muscular Atrophy Expanded Access Program
Source:	Biogen
Role:	Site PI
Dates:	10/2016 - 12/2016
Direct Funds:	\$4,500
 Title:	 Nusinersen in Spinal Muscular Atrophy Expanded Access Program
Source:	Biogen
Role:	Site PI
Dates:	10/2016 - 12/2016
 Title:	 EAP-001
Source:	Catalyst
Role:	Site PI
Dates:	11/09/2016 - 11/28/2018
Direct Funds:	\$4,375

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Title: Discussing new treatments, diagnostic approaches and infrastructure for pediatric neuromuscular patients in Wisconsin
- 02/08/2019

Meeting/Event: Department of Pediatrics Grand Rounds, Medical College of Wisconsin

Location: Milwaukee, WI

Title: Neuromuscular for the Pediatrician
- 01/20/2017

Meeting/Event: Department of Pediatrics Grand Rounds, Medical College of Wisconsin

Location: Milwaukee, WI

Title: Tic and Other Movement Disorders
- 01/14/2017

A Practical Approach

Location: Department of Neurology, Medical College of Wisconsin, Milwaukee WI

Title: Treatment of Pediatric Neuromuscular Disorders
- 09/30/2016

Meeting/Event: Department of Pediatrics Grand Rounds, Medical College of Wisconsin

Location: Milwaukee, WI

Title: Medical Education: Teaching and Trainees

- 06/16/2016

Meeting/Event: Department of Neurology, Los Angeles Veteran's Affairs Hospital; Grand Rounds

Location: Los Angeles, CA

- 05/2015

Meeting/Event: Department of Neurology, Cedars-Sinai; Grand Rounds

Location: Los Angeles, CA

Title: Medical Education: Teaching and Trainees

- 07/25/2014

Meeting/Event: Department of Neurology, Medical College of Wisconsin; Grand Rounds

Location: Milwaukee, WI

Title: Neuromuscular for the Pediatrician

- 02/06/2014

Meeting/Event: Department of Pediatrics, Medical College of Wisconsin; Grand Rounds

Location: Milwaukee, WI

Title: Post-Mortem Movements

- 05/2012

Meeting/Event: Department of Pediatrics, Miller Children's Hospital; Grand Rounds

Location: Long Beach, CA

Regional

09/28/2018 - 2018

Title: Keynote Address: Disabilities in Children

- 01/28/2018

Location: Waukesha, Wisconsin

- 01/28/2018

01/28/2018 PATH International, Waukesha, Wisconsin

"Keynote Address: Disabilities in Children"

01/28/2018 PATH International, Waukesha, Wisconsin

"Neuromuscular Disabilities in Children"

7/14/2018 Jett Foundation, Madison, Wisconsin

"Neuropsychology in Duchenne's Muscular Dystrophy"

"Treatment of Genetic Neuromuscular Disease"

Location: Waukesha, Wisconsin

Title: Neuromuscular Disabilities in Children

Title: Neuropsychology in Duchenne's Muscular Dystrophy

- 07/14/2018

Location: Madison, Wisconsin

Title: Treatment of Genetic Neuromuscular Disease

- 09/28/2018

- 2018

Location: Milwaukee, WI

Title: Newborn Screening in Wisconsin: An Update & SMA Clinical Trials Update

- 10/06/2018

Location: Milwaukee, WI

National

None

International

None

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

Local

None

Regional

4/20/2016 UCI Neuromuscular Colloquium, Irvine, California

"A Case Description of a Novel Mutation of SCN4A in a Child Presenting with Congenital Myasthenia Gravis"

Title: A Case Description of a Novel Mutation of SCN4A in a Child Presenting with Congenital Myasthenia Gravis

- 04/20/2016

Location: Irvine, CA

National

7/20/2018 Pediatric Hospital Medicine National Conference, Atlanta, Georgia

Title: Approach to Inpatient Pediatric Rhabdomyolysis

- 07/20/2018

Location: Atlanta, GA

"Approach to Inpatient Pediatric Rhabdomyolysis"

International

None

COMMITTEE SERVICE:

Medical College of Wisconsin

10/2018 - Present Member, Genomic Sciences and Precision Medicine Center
Wisconsin

Medical Director Search Committee, Medical College of

Hospital

08/2018 - Present MCIP Ambulatory Planning Work Group, Children's Hospital of Wisconsin

MEDICAL COLLEGE TEACHING ACTIVITIES:

Community/Lay Public

04/22/2017 - Present CureDuchenne Regional Conference, Milwaukee, WI

04/22/2017 - Present CureDuchenne Regional Conference, Milwaukee, WI

"Cognitive Changes in Dystrophinopathies"

"Cognitive Changes in Dystrophinopathies"

Medical Student Education

2 - 3 3 hour lectures per year to M3/4 on Neurology Rotation

2 - 3 3 hour lectures per year to M3/4 on Neurology Rotation

2012 - 2013 Medical Student Neurology Rotation Case Lectures

2012 - 2013 Medical Student Neurology Rotation Case Lectures

01/2017 - Present Neuroscience Yearly Lecturer
01/2017 - Present Neuroscience Lecturer
03/2019 - Present Medical Student 2nd Year Pathology Lecture
Lecture: "Clinical Correlation: Motor Unit",
"Clinical Correlation: Seizures"
Lectures: "Clinical Correlation: Motor Unit",
"Clinical Correlation: Seizures"
Lecture: "Neuromuscular Pathology"

Resident and Fellow Education

1 - Present hour open Q&A 2-4 per month for pediatric resident team
1 - Present hour open Q&A 2-4 per month for pediatric resident team
2009 - 2012 Core Pediatric Lectures, Miller Children's Hospital UCI
2009 - 2012 Core Pediatric Lectures, Miller Children's Hospital UCI
2012 - 2016 Core Pediatric Lectures, Pediatric Residency
2012 - 2016 Core Pediatric Lectures, Pediatric Residency
2014 - 2017 Red Team Teaching, Pediatric Residency
2014 - 2017 Red Team Teaching, Pediatric Residency
2015 - 2016 Neuromuscular Conferences, UCLA Neuromuscular
2015 - 2016 Neuromuscular Conferences, UCLA Neuromuscular
2016 - Present Child Neurology Residency Core Lectures, 4-6 per year
2016 - Present Child Neurology Residency Core Lectures, 4-6 per year
06/30/2017 - Present Case Based Professionalism and Safety, MCWAH Housestaff
2017 - 2018 Case Based Professionalism and Safety, MCWAH Housestaff
2017 - 2018 Child Neurology Resident Orientation Lectures
2017 - 2018 "Ace the Boards" Board Review, Pediatric Residency
2017 - Present Adult Neurology Residency Academic Half-Day Lectures
2017 - Present Child Neurology Resident Orientation Lectures
2017 - 2018 Child Neurology Introduction Observed History and Exam
2017 - 2018 Child Neurology Introduction Observed History and Exam
Lecture: "Neurologic Examination", "Status Epilepticus",
"Primitive Reflexes", "Transverse Myelitis",
"Childhood Obesity"
- 6 Lecture: 6 hours of lectures on common issues in child
neurology and clinical procedures
Proctored an introduction observed exam for child neurology
residents
Orientation
Lecture: "Central Nervous System", "Peripheral Nervous
System", "Pediatric Headaches", "Updates on Status
Epilepticus"
Lecture: "Neuromuscular Junction", "Myopathy and
Dystrophy", "Neuropathy", "Introduction to Cranial Nerve
Exam", "Introduction to Motor, Sensory and Reflex Exam",
"EMG and Nerve Conduction Studies in Pediatrics"
- 2017 August 2017 "Ace the Boards" Board Review, Pediatric Residency
Lecture: "Neurology Board Review"
Fellowship, approximately 12 lectures total
Yearly Lectures on "Mitochondrial Disease", "Autism", "Pediatric Genetics", "Metabolic Disease"
Lecture: "Neuromuscular Junction", "Myopathy and
Dystrophy", "Neuropathy", "Introduction to Cranial Nerve
Exam", "Introduction to Motor, Sensory and Reflex Exam",
"EMG and Nerve Conduction Studies in Pediatrics"
- 6 Lecture: 6 hours of lectures on common issues in child
neurology and clinical procedures
Proctored an introduction observed exam for child neurology
residents

Orientation
Lecture: "Central Nervous System", "Peripheral Nervous System", "Pediatric Headaches", "Updates on Status Epilepticus"
Lecture: "Neurology Board Review"
Fellowship, approximately 12 lectures total
Lecture: "Neurologic Examination", "Status Epilepticus", "Primitive Reflexes", "Transverse Myelitis", "Childhood Obesity"
Postdoctoral Fellow Education: None
Continuing Medical Education: None

Continuing Medical Education

05/2012 - Present Department of Pediatrics, Miller Children's Hospital;
02/06/2014 - Present Department of Pediatrics, Medical College of Wisconsin;
07/25/2014 - Present Department of Neurology, Medical College of Wisconsin;
05/2015 - Present Department of Neurology, Cedars-Sinai;
06/16/2016 - Present Department of Neurology, Los Angeles Veteran's Affairs
09/30/2016 - Present Department of Neurology, Medical College of Wisconsin;
01/20/2017 - Present Department of Pediatrics, Medical College of Wisconsin;
Grand Rounds: "Neuromuscular for the Pediatrician"
Grand Rounds: "Treatment of Pediatric Neuromuscular Disorders"
Hospital; Grand Rounds: "Medical Education: Teaching and Trainees"
Grand Rounds: "EMG/NCS in Pediatrics"
Grand Rounds: "Medical Education: Teaching and Trainees"
Grand Rounds: "Neuromuscular for the Pediatrician"
Grand Rounds: "Post-Mortem Movements"

Graduate Student Education

None
None

EXTRAMURAL TEACHING:

Community/Lay Public

Graduate Student Education: None
Continuing Medical Education: None

EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS

MENTORED:

High School Students

Madison Crump, Wauwatosa East High School, 06/2017 - Present Clinical
Madison Crump, Wauwatosa East High School, 06/2017 - 06/2018 Clinical
Shadowing/Mentoring
Shadowing/Mentoring

Undergraduate Students

Katrina Nguyen, UCLA Research Coordinator, 07/2015 - 09/2017 Advisor
Katrina Nguyen, UCLA Research Coordinator, 07/2015 - 09/2017 Advisor

Medical Students

Panel Member: 2015, 2017 - Present 2017
Panel Member: 2015, 2017 - Present 2017
Megan Orr, - 09/2017 MCW 09/2017 - Present Research mentor

Catherine Nettesheim 09/2017 - Present Research mentor
Rachel Patterson 09/2012-06/2014 Clinical/Career Advising
Jessie Guo 09/2012-06/2014 Clinical/Career Advising
Nick Meyers 09/2017 - Present Academic Advisor
Brittany McNeill 10/2018 - Present Research mentor
Student Interest Group in Neurology "SIGN" Annual Dinner with Q&A
Student Interest Group in Neurology "SIGN" Annual Dinner with Q&A
Jessie Guo 09/2012-06/2014, Clinical/Career Advising
Catherine Nettesheim 09/2017 - Present, Research mentor
Rachel Patterson 09/2012-06/2014, Clinical/Career Advising
Megan Orr, MCW 09/2017 - Present, Research mentor

Postdoctoral Students

None
None

Clinical/Research Fellows

None

Residents

Evan Garcia 07/2016- Present Academic Advisor
Avantika Singh 07/2016 - Present Academic Advisor
Sara Siddiqui 07/2016- Present Academic Advisor
Steven Kim 07/2016- 09/2017 Academic Advisor
None
Renata Kukula 07/2016 - 7/2017 Academic Advisor
Evan Garcia 07/2016- Present Academic Advisor
Avantika Singh 07/2016- 7/2017 Academic Advisor
Sara Siddiqui 07/2016- 7/2018 Academic Advisor
Steven Kim 07/2016- 09/2017 Academic Advisor
Faculty: None
Renata Kukula 07/2016- Present Academic Advisor

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Student

07/2017 - Present Acting Internship in Child Neurology
Created a curriculum for medical students to have an acting internship experience in child neurology

Fellow

07/2016 - Present Rotation Director for Medical Genetics Fellowship
07/2016 - Present Rotation Director for Medical Genetics Fellowship
advise, coordinate and complete evaluations for fellows
For medical genetics fellows on child neurology rotations, schedule
advise, coordinate and complete evaluations for fellows
For medical genetics fellows on child neurology rotations, schedule

Resident

07/2016 - Present Rotation Director for Pediatric Child Psychiatry Fellows
07/2016 - Present Rotation Director for Pediatric Child Psychiatry Fellows
year)
pediatric neurology rotation (proctor 6 hours weekly for academic
Created and supervise the curriculum for the child psychiatry fellows
year)
Pediatric Neurology rotation (proctor 6 hours weekly for academic

Faculty

None

Research Programs

2016 - Present Pediatric Neuromuscular Research Program
Began the first trials in pediatric neuromuscular disorders at our institutions.
The program has now been built to 4-5 interventional trials and 3-4 local run studies including multiple early access programs/individual early care dosing for compassionate use patients.

Clinical Programs

11/2017 - Present Brachial Plexus Multidisciplinary Clinic
10/2018 - Present Duchenne Certified Care Center
Work with plastic surgery and PM&R departments to create a multidisciplinary clinic for management of pediatric brachial plexus injuries
Oversaw the certification process by Parent Project Muscular Dystrophy

Community Programs

2017 - Present Pediatric Neuromuscular Support Group
Oversaw the development of the support group run by our clinical coordinator and social worker

COMMUNITY SERVICE ACTIVITIES:

None

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Whelan H, Harmelink M, Chou E, Salloway D, Khan N, Patil R, Sannagowdara K, Kim JH, Chen WL, Khalil S, Bajic I, Keval A, Greydanus D. Complex febrile seizures-A systematic review. Dis Mon. 2017 Jan;63(1):5-23. doi: 10.1016/j.disamonth.2016.12.001. Epub 2017 Jan 12. Review. PubMed PMID: 28089358.
2. Player B, Harmelink M, Bordini B, Weisgerber M, Girolami M, Croix M. Pediatric Opsoclonus-Myoclonus-Ataxia Syndrome Associated With Anti-N-methyl-D-aspartate Receptor Encephalitis. Pediatr Neurol. 2015 Nov;53(5):456-8. doi: 10.1016/j.pediatrneurol.2015.07.010. Epub 2015 Aug 1. PubMed PMID: 26341674.
3. Daniel C Helbling, David Mendoza, Julie McCarrier, Mark A Vanden Avond, Matthew M Harmelink, Paul E Barkhaus, Donald Basel, Michael W Lawlor, Severe Neonatal RYR1 Myopathy With Pathological Features of Congenital Muscular Dystrophy, Journal of Neuropathology & Experimental Neurology, Volume 78, Issue 3, March 2019, Pages 283-287, <https://doi.org/10.1093/jnen/nlz004>
4. Fee DB, Harmelink M, Monrad P, Pyzik E. Siblings with Mutations in TRAPPC11 Presenting with Limb-Girdle Muscular Dystrophy 2S. J Clin Neuromuscular Dis. 2017 Sep;19(1):27-30.
5. Whelan H, Harmelink M, Chou E, Salloway D, Khan N, Patil R, Sannagowdara K, Kim JH, Chen WL, Khalil S, Bajic I, Keval A, Greydanus D. Complex febrile seizures-A systematic review. Dis Mon. 2017 Jan;63(1):5-23. doi: 10.1016/j.disamonth.2016.12.001. Epub 2017 Jan 12. Review. PubMed PMID: 28089358.
6. Player B, Harmelink M, Bordini B, Weisgerber M, Girolami M, Croix M. Pediatric Opsoclonus-Myoclonus-Ataxia Syndrome Associated With Anti-N-methyl-D-aspartate Receptor Encephalitis. Pediatr Neurol. 2015 Nov;53(5):456-8. doi: 10.1016/j.pediatrneurol.2015.07.010. Epub 2015 Aug 1. PubMed PMID: 26341674.

Books, Chapters, and Reviews

1. Harmelink M, Sheih P. De Novo Versus None, Two Ends of a Spectrum. Poster presented at: Carrel Krusen Conference; 2016 Feb 25; Dallas, Texas.
2. Harmelink M; Congenital Myopathies; Mar 11 2019; Emedicine. <https://emedicine.medscape.com/article/1175852-overview>. May 7 2019.

3. Hogan Q, McCollister K, Harmelink M, Kohl L, Collins M. Complications of Regional Anesthesia.
4. 3rd ed. Tsui BC, Finucane B, editors. Springer; 2017. Chapter 10, Evaluation of Neurologic
5. Injury Following Regional Anesthesia 501p.

Editorials, Letters to Editor, Other

1. Harmelink M, Pyzik E, Barkhaus PB. Case report: Femoral Neuropathy with Conduction Block. J of Neu Sci. J Neurol Sci. 2019 Apr 13;401:17-18.

Non-Refereed Journal Publications/Original Papers

1. None
2. ABSTRACTS/POSTERS (PEER REVIEWED)
3. Patterson K, Richardson R, Harmelink M, Schultz M. Spinal Muscular Atrophy Patients Treated with Onasemnogene Apeparovovec through a Managed Access Program: a Case Series. CureSMA Clinical Meeting 2019, June 27, Anaheim, CA.
4. Nettesheim C, Gray M, Harmelink M. Retrospective Evaluation of the Utility of Testing in Pediatric Patients Presenting to the Emergency Department for First Time Seizure of Unknown Cause. MCW Medical Student Poster Day. 2018 Sept; Milwaukee, WI.
5. Orr M, Harmelink M. Yield of Commercial Genetic Neuromuscular Testing. Poster Presented at MCW Medical Student Poster Day. 2018 Sept; Milwaukee, WI.
6. Harmelink M, Sheih P. De Novo Versus None, Two Ends of a Spectrum. Poster presented
7. at: Carrel Krusen Conference; 2016 Feb 25; Dallas, Texas.
8. Harmelink M, Khan N. Case of Congenital Hypotonia due to a Rare Genetic Deletion: 46,XX(del)14q32.2q32.3. American Academy of Neurology; 2015 April; Washington D.C., District of Columbia, USA.

Abstracts

1. 1. Harmelink M, Sheih P. De Novo Versus None, Two Ends of a Spectrum. Poster presented at: Carrel Krusen Conference; 2016 Feb 25; Dallas, Texas.
2. 2. Harmelink M, Khan N. Case of Congenital Hypotonia due to a Rare Genetic Deletion: 46,XX(del)14q32.2q32.3. American Academy of Neurology; 2015 April; Washington D.C., District of Columbia, USA. American Academy of Neurology; c 00 .

Peer Reviewed Educational Products

1. None

Non-Peer Reviewed Educational Products

1. Nerve Conduction Studies and Electromyography Educational Video. Children's Hospital of
2. Wisconsin, 2019

Database, Video, or Other Research/Clinical Contributions

1. None

Software, Software Modules

1. None