

CURRICULUM VITAE

Susan Cohen MD

**Associate Professor
Department of Pediatrics
Division of Neonatology**

OFFICE ADDRESS:

Children's Corporate Center
999 N 92 St
Milwaukee, WI 53226

EDUCATION:

09/1994 - 05/1998 B.A., Religious Studies & Philosophy, Magna cum laude, Virginia Commonwealth University
06/1998 - 06/2003 M.D., Guaranteed Admissions Program, Medical College of Virginia, Virginia Commonwealth University

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/2003 - 06/2006 Resident, Department of Pediatrics, Hasbro Children's Hospital, Alpert Medical School of Brown University, 593 Eddy Street, Providence, RI 02905
09/2007 - 11/2010 Fellow, Department of Neonatal-Perinatal Medicine, Women & Infants Hospital, Alpert Medical School of Brown University, 101 Dudley Street, Providence, RI 02905
09/2019 - 06/2021 Clinical Research Scholars Program, CTSI, Medical College of Wisconsin, Milwaukee, WI
07/2021 - Present Leadership Academy, Nominated by Neonatology Section Chief and Pediatric Department Interim Chair and selected to join a cohort of 33 participants out of 55 nominees within the entire MCW campus, Medical College of Wisconsin, Milwaukee, WI 53226

FACULTY APPOINTMENTS:

08/01/2011 - 12/10/2018 Assistant Professor, Department of Pediatrics, Division of Neonatology, Medical College of Wisconsin
12/10/2018 - Present Associate Professor, Department of Pediatrics, Division of Neonatology, Medical College of Wisconsin
05/17/2021 - Present Associate Professor, Graduate School of Biomedical Sciences, Medical College of Wisconsin

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

12/2016 - 06/2021 Co-Director, Subspecialty/Research Track, Pediatric Residency Program, Pediatrics, Medical College of Wisconsin
12/2016 - 06/2021 Co-Director, Subspecialty/Research Track, Pediatric Residency Program, Pediatrics, Medical College of Wisconsin
01/2018 - Present Director, Neonatal Neurocritical Care Program, Children's Wisconsin, Milwaukee, WI
01/2021 - Present Medical Director, Neonatal Neurodevelopmental Follow Up Clinic (HOPE Clinic), Children's Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

01/2018 - Present Director, Neonatal Neurocritical Care Program, Children's Wisconsin
01/2021 - Present Medical Director, Neonatal Neurodevelopmental Follow Up Clinic (HOPE Clinic), Children's Wisconsin

HOSPITAL STAFF PRIVILEGES:

07/2006 - 07/2011 Pediatrics Level II Nursery Moonlighter, Southcoast Hospital System, New Bedford, MA and Fall River, MA
 02/2007 - 08/2007 Pediatrics, Active Staff Category 1, Memorial Hospital of Rhode Island Pawtucket, RI
 11/2010 - 06/2011 Newborn Nursery Moonlighter, Care New England Health System, Providence, RI
 08/2011 - 03/2015 Aurora Medical Center, Summit, WI and Grafton, WI
 08/2011 - Present Froedtert Health Systems: Froedtert Hospital in Milwaukee, WI; Community Memorial Hospital, Menomonee Falls, WI; St. Joseph's Hospital, West Bend, WI
 08/2011 - Present Children's Hospital of Wisconsin, Medical College of Wisconsin, Milwaukee, WI; Fox Valley, Neenah, WI
 08/2011 - 09/2015 Waukesha Memorial Hospital and Oconomowoc Memorial Hospital, ProHealth, Waukesha, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Pediatrics	10/2006	09/2027
ABP-Neonatal-Perinatal Medicine	03/2012	02/2027

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Neonatal Resuscitation Program Provider	AAP	07/2006	09/2011
NRP Instructor	AAP	09/2011	01/2024

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Massachusetts State Medical License		07/2006	03/2012
Rhode Island State Medical License		01/2007	06/2011
Wisconsin State Medical License	55839-20	06/2011	10/2022
DEA License	FC0126082	07/2011	08/2024

AWARDS AND HONORS:

1994 Provost Scholarship Recipient, University undergraduate scholarship equal to tuition and fees for four years
 1997 - Present Board of Visitors Scholar, awarded to a distinguished undergraduate student for academic scholarship and service
 1998 - Present Distinguished Academic Service Award, awarded to the most distinguished senior undergraduate in service to the university
 2003 Elizabeth Joanne Harbison Memorial Award for Pediatrics, award given to the most promising M4 pursuing Pediatrics
 2006 Brown Medical School Teaching Award, awarded during my third year of residency
 2010 Gordon Research Conference Travel Award, Barriers of the CNS, Colby-Sawyer, Maine
 2010 SWAN Award for Patient Safety at Women & Infants Hospital, selected by hospital staff for patient care during my third year of fellowship
 2013 NIH Young Investigator, Perinatal Research Society Meeting, Chicago, IL
 2016 MCW Outstanding Medical Student Teachers: Neonatal ICU Acting Internship and Physician Scientist-MCR Pathway
 2016 Outstanding Faculty Service Award, Research Affairs Committee, Medical College of Wisconsin
 2017 T. Michael Bolger Standing Ovation Award Nominee, recognizes individuals affiliated with MCW who have enhanced the quality of campus life for MCW students, one of 10 nominees from entire MCW community.
 2017 MCW Outstanding Medical Student Teachers, Physician Scientist- MCR Pathway

2018 MCW Outstanding Medical Student Teachers, Department of Pediatrics, Pediatric Clerkship
 2019 T. Michael Bolger Standing Ovation Award Recipient, recognizes individuals affiliated with MCW who have enhanced the quality of campus life for MCW students
 2019 Outstanding Faculty Service Award, Research Affairs Committee, Medical College of Wisconsin
 2020 Milwaukee Magazine's 2020 list of Top Doctors, Neonatal-Perinatal Medicine
 2020 Outstanding Faculty Service Award, Research Affairs Committee, Medical College of Wisconsin
 2021 - Present Milwaukee Magazine's 2021 list of Top Doctors, Neonatal-Perinatal Medicine

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2011 - Present Fellow (American Academy of Pediatrics)
 2013 - Present Associate Member (Perinatal Research Society)
 2014 - Present Member (American Physiologic Society)
 2016 - Present Member (Society of Pediatric Research)
 2017 - Present Member (Society of Cerebral Blood Flow and Metabolism)
 2020 - Present Member (Newborn Brain Society)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorship
 2021 - Present Editor, Clinics in Perinatology, "Current Controversies in Perinatology"
 Editorial Board
 2015 - 2018 Review Editor of Neuropediatrics, Frontiers of Neurology & Pediatrics
 Journal Review
 2015 - Present PLOS ONE
 2015 - Present Journal of Maternal-Fetal & Neonatal Medicine
 2018 - Present Neuropediatrics, Frontiers of Neurology & Pediatrics
 2018 - Present Experimental Physiology
 2020 Pediatric Academic Society National Meeting, Abstract
 2021 Pediatric Academic Society National Meeting, Workshop
 2022 - Present Pediatric Academic Society National Meeting, Abstract
 Pediatric Academic Society National Meeting, Abstract

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Active

Peer Review

Title:	Incidence of Neonatal Encephalopathy in the NICU
Role:	lead investigator
PI:	6/15/2022
Dates:	08/28/2017 - Present
Title:	Functional Outcomes of Neonates Evaluated for Seizure in CHW NICU
Role:	lead investigator
PI:	7/29/2022
Dates:	10/04/2018 - Present
Title:	Determining Variation in Treatment Approach and Neurologic Outcomes in Infants with Post-Hemorrhagic Hydrocephalus
Role:	Principal Investigator
PI:	3/22/2022- under review
Dates:	04/15/2020 - Present
Title:	Impact of placental pathology on neurodevelopmental outcomes in

Role:	congenital heart disease Principal Investigator
PI:	7/28/2022
Dates:	09/25/2020 - Present
Title:	Impact of placental pathology on neurodevelopmental outcomes in congenital heart disease
Source:	IRB ID: 1627168-1
Role:	Lead Investigator
PI:	Dr. Susan Cohen
Dates:	09/25/2020 - 09/24/2021
Title:	Preschool age neuropsychological outcomes of vulnerable infants in the NICU
Role:	Principal Investigator
PI:	9/26/2022
Dates:	12/09/2020 - Present
Title:	A Retrospective Cohort Study of Infants with Complex Gastroschisis and Delays of Enteral Autonomy in the NICU
Role:	Principal Investigator
PI:	3/24/2022
Dates:	03/25/2021 - Present
Title:	Effects of a Formalized Tool for Expanded Differential Diagnosis on Enteral Feeding in Gastroschisis
Role:	Principal Investigator
PI:	Dr. Susan Cohen
Dates:	07/16/2021 - Present
Title:	Exploration of Epigenetic Changes in the Premature Infant and Their Parents Secondary to Stress from NICU Hospitalization
Role:	Collaborator
PI:	TBD
Title:	Excessive thrombin in placental and fetal compartments drives perinatal hydrocephalus
Source:	NIH NINDS 1 R01 NS125311-01
Role:	Co-Investigator
Title:	Excessive thrombin in placental and fetal compartments drives perinatal hydrocephalus
Source:	NIH NINDS 1 R01 NS125311-01
Role:	Co-Investigator
PI:	Under Review

Non-Peer Review

Title:	Determining Variation in Treatment Approach and Neurologic Outcomes in
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Source: Infants with Post-Hemorrhagic Hydrocephalus
Location: Children's Hospital of Wisconsin IRB ID: 1576942-2
Role: Lead Investigator
PI: Dr. Susan Cohen
Dates: 04/15/2020 - 03/22/2022

Title: Preschool age neuropsychological outcomes of vulnerable infants in the NICU
Source: IRB ID: 16751730-1
Role: lead investigator
PI: Dr. Susan Cohen
Dates: 12/09/2020 - 12/08/2021

Title: Exploring Diagnostic Error & Cognitive Bias: A Retrospective Cohort Study of Infants with Complex Gastroschisis and Delays of Enteral Autonomy in the NICU
Source: Location: Children's Hospital of Wisconsin IRB ID: 1727281-1
Role: Lead Investigator
PI: Dr. Susan Cohen
Dates: 03/25/2021 - 03/24/2022

Pending

Non-Peer Review

Title: Effects of a Formalized Tool for Expanded Differential Diagnosis on Enteral Feeding in Gastroschisis
Source: Location: Children's Hospital of Wisconsin IRB ID: 1726738-1
Role: Lead Investigator
PI: Dr. Susan Cohen

Prior

Peer Review

Title: Impaired Markers of Cerebral Angiogenesis in a Fetal Lamb Model of Persistent Pulmonary Hypertension
Source: NIH- NHLBI, PHS Grant Number: 5 T32 HL 7792-18
Role: Trainee
Dates: 08/01/2011 - 07/31/2013

Title: Impaired Markers of Cerebral Angiogenesis in a Fetal Lamb Model of Persistent Pulmonary Hypertension
Source: 5 T32 HL 7792-18
Role: Trainee
Dates: 08/01/2011 - 07/31/2013

Title: Early Life Stress Dysregulates Serotonin

	Transporter Expression in the Juvenile Mouse Brain
Source:	CRI Pilot Grant 2015- FP00007798
Role:	PI
Dates:	01/01/2015 - 12/31/2015
Direct Funds:	\$50,000
Title:	Early Life Stress Dysregulates Serotonin Transporter Expression in the Juvenile Mouse Brain
Source:	CRI Pilot Grant 2015- FP00007798
Role:	PI
Dates:	01/01/2015 - 12/31/2015
Direct Funds:	\$50,000
Title:	Catheter Characteristics are Associated with Highest Risk
Role:	co-investigator
PI:	12/3/2018- Closed
Dates:	04/28/2016 - Present
Title:	Catheter Associated Thrombosis in the NICU: Catheter Characteristics are Associated with Highest Risk
Source:	Location: Children's Hospital of Wisconsin IRB ID: 887427-3
Role:	Co-Investigator
PI:	Dr. Mike Uhing
Dates:	04/28/2016 - 12/03/2018
Title:	Reading as a tool for language development and increased parental bonding among preterm infants in the neonatal intensive care unit
Source:	Location: Children's Hospital of Wisconsin IRB ID: 873305-2
Role:	Lead Investigator
PI:	Dr. Susan Cohen
Dates:	07/12/2016 - 04/26/2019
Title:	Reading as a tool for language development and increased parental bonding among preterm infants in the neonatal intensive care unit
Role:	lead investigator
PI:	4/26/2019- Closed
Dates:	07/12/2016 - Present
Title:	"Eicosanoid Regulation of the Cerebral Microcirculation in the Developing Brain"
Source:	Neuroscience Research Center Award 2018
Role:	PI
Dates:	07/01/2018 - 12/31/2020
Direct Funds:	\$25,000

Title: Role of open-bay versus single-family room care in language outcomes of preterm infants
 Role: lead investigator
 PI: 7/28/2020- Closed
 Dates: 10/18/2018 - Present

Non-Peer Review

Title: Incidence of Neonatal Encephalopathy in the NICU
 Source: Location: Children's Hospital of Wisconsin IRB ID: 1100680-1
 Role: Lead Investigator
 PI: Dr. Susan Cohen
 Dates: 08/28/2017 - 06/17/2021

Title: "Eicosanoid Regulation of the Cerebral Microcirculation in the Developing Brain"
 Source: Neuroscience Research Center Award 2018
 Role: PI
 Dates: 07/01/2018 - 12/31/2020
 Direct Funds: \$25,000

Title: Functional Outcomes of Neonates Evaluated for Seizure in CHW NICU
 Source: Location: Children's Hospital of Wisconsin IRB ID: 1304793-4
 Role: PI
 PI: Lead Investigator
 Dates: 10/04/2018 - 09/17/2021

Title: Role of open-bay versus single-family room care in language outcomes of preterm infants
 Source: Location: Children's Hospital of Wisconsin IRB ID: 1300059-2
 Role: Lead Investigator
 Dates: 10/18/2018 - 07/28/2020

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

Cardiovascular Center Research Seminar, "Oxygen & Perinatal Brain Injury: Responses of Nogo Protein in ROS-Mediated Brain Injury", 03/20/2013
 CHW NICU Nursing Annual Education Day, "Brain Injury in 3 Letters", 2013 - 2019
 CRI Research Conference, "Insulin in the Brain", 03/25/2016
 CRI Research Conference, "Astrocytic Responses to High Glucose in the Developing Brain", 05/19/2017
 Fox Valley NICU Nursing Annual Education Day, "Brain Injury in 3 Letters", 2017
 CVC-ATVB Signature Program Meeting, "Eicosanoid Regulation of the Cerebral Microcirculation in the Developing Brain", 05/21/2018
 Highlights of Quality Improvement in Pediatrics- Improved Pain and Agitation Management in the NICU, CHW Pediatric Grand Rounds, 01/31/2020
 Susan Cohen, MD, "Neonatal Neurocritical Care and Redefining Treatment Thresholds for Post-Hemorrhagic Hydrocephalus in the Preterm Infant", Neurology Grand Rounds, 11/13/2020

CRI Research Conference, "Insulin in the Brain", MCW, March 25, 2016
 CRI Research Conference, "Astrocytic Responses to High Glucose in the Developing Brain", MCW, May 19, 2017
 CW NICU Nursing Annual Education Day, "Brain Injury in 3 Letters", 2013-2021
 Fox Valley NICU Nursing Annual Education Day, "Brain Injury in 3 Letters", 2017
 CVC-ATVB Signature Program Meeting, "Eicosanoid Regulation of the Cerebral Microcirculation in the Developing Brain", MCW, May 21, 2018
 CW Pediatric Grand Rounds: "Highlights of Quality Improvement in Pediatrics- Improved Pain and Agitation Management in the NICU", MCW, January 31, 2020
 Neurology Grand Rounds: "Neonatal Neurocritical Care and Redefining Treatment Thresholds for Post-Hemorrhagic Hydrocephalus in the Preterm Infant", MCW, November 13, 2020
 Cardiovascular Center Research Seminar, "Oxygen & Perinatal Brain Injury: Responses of Nogo Protein in ROS-Mediated Brain Injury", MCW, March 20, 2013
 Connect with Children's CME Webinar Series: "HOPE and DREAM: Long-term Follow Up of High-Risk Infants Discharged from the NICU", CW, January 19, 2022

National

Senior Author, Dr. Susan Cohen, Platform Presentation, "Altered Markers of Cerebral Angiogenesis in a Fetal Lamb Model of Persistent Pulmonary Hypertension", American Academy of Pediatrics (AAP) National Conference and Exhibition, Orlando, FL, 10/26/2013 - 10/29/2013
 Women & Infants Hospital/ Alpert Medical School at Brown University Perinatal Management Conference, "Neonatal Neurocritical Care and Redefining Treatment Thresholds for Post-Hemorrhagic Hydrocephalus in the Preterm Infant", Providence, RI: June 30, 2021
 Helen DeVos Children's Hospital Pediatric Grand Rounds, "Neonatal Neurocritical Care and Redefining Treatment Thresholds for Post-Hemorrhagic Hydrocephalus in the Preterm Infant", Grand Rapids, MI: April 20, 2021

International

Platform Presentation, "Perinatal High Fat Diet Increases Serotonergic Receptor Expression in the Prefrontal Cortex", Pediatric Academic Society Meetings, San Diego, CA, 04/24/2015 - 04/28/2015
 Poster Symposium, "Adverse Maternal Lifestyle Increases Microglia and Toll-Like Receptor 9 Gene Expression in Juvenile Mouse Hippocampus", Pediatric Academic Society Meetings, Baltimore, MD, 04/30/2016 - 05/03/2016
 17th International Winter Eicosanoid Conference, Invited Speaker, "Eicosanoids and the Developing Brain", 03/11/2018 - 03/13/2018
 Poster Symposium, "Gestational Diabetes Impairs Cerebral Blood Flow Autoregulation During the Reperfusion Phase Following Ischemia", Pediatric Academic Society Meetings, Toronto, Canada, 05/05/2018 - 05/08/2018
 Moderator, Neurology V: Neonatal Neurology Clinical, Oral Poster Symposia, Pediatric Academic Society, April 24, 2022
 Annual Advances in Perinatal/Neonatal Care Conference, Invited Speaker, "Quality Improvement for Reducing Utilization Drift in Hypoxic-Ischemic Encephalopathy", Ascension SE Wisconsin Hospital, February 16, 2022
 QI/Research Webinar Series Talk, Invited Speaker, "QI Methodology as a Tool to Improve Hypoxic-Ischemic Encephalopathy Clinical Management in the NICU", Newborn Brain Society, October 28, 2021
 Moderator, Neonatal Neurology: Basic & Translational II, Platform Session, Pediatric Academic Society, May 3, 2021
 Moderator, Neonatal Neurology: Clinical II, Platform Session, Pediatric Academic Society, July 30, 2020
 Poster Symposium, "Gestational Diabetes Impairs Cerebral Blood Flow Autoregulation During the Reperfusion Phase Following Ischemia", Pediatric Academic Society Meetings, Toronto, CA, May 5-8, 2018
 Poster Symposium, "Adverse Maternal Lifestyle Increases Microglia and Toll-Like Receptor 9 Gene Expression in Juvenile Mouse Hippocampus", Pediatric Academic Society Meetings, Baltimore, MD: April 30-May 3, 2016
 Platform Presentation, "Perinatal High Fat Diet Increases Serotonergic Receptor Expression in the Prefrontal Cortex", Pediatric Academic Society Meetings, San Diego, CA: April 24-28, 2015
 Platform Presentation, "Altered Markers of Cerebral Angiogenesis in a Fetal Lamb Model of Persistent

Pulmonary Hypertension", American Academy of Pediatrics (AAP) National Conference and Exhibition, Orlando, FL: October 26-29, 2013, senior author
17th International Winter Eicosanoid Conference, Invited Speaker, "Eicosanoids and the Developing Brain", March 11-13th, 2018

COMMITTEE SERVICE:

Medical College of Wisconsin

03/13 - 14/2018 LCME Self-Study Subcommittee on Faculty, Member, Medical College of Wisconsin, Milwaukee, WI
05/2013 - 05/2014 Task Force on the Library of the Future, Member, Medical College of Wisconsin, Milwaukee, WI
05/2013 - 05/2014 Member, Task Force on the Library of the Future, Medical College of Wisconsin
06/2014 - 06/2021 Research Affairs Committee, Member, Medical College of Wisconsin, Milwaukee, WI
06/2014 - 06/2021 Member, Research Affairs Committee, Medical College of Wisconsin
08/2014 - 08/2016 Member, Admissions Committee, Medical College of Wisconsin, Children's Hospital of Wisconsin
08/2014 - 08/2016 Admissions Committee, Member, Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee
11/2015 - 06/2021 Subspecialty/Research Track, Co-Director, Pediatric Residency Program, Medical College of Wisconsin, Children's Hospital of Wisconsin
01/2016 - 06/2020 M1 Physician-Scientist -MCR Pathway, Pathway Facilitator, Medical College of Wisconsin, Milwaukee, WI
07/2016 - 06/2019 Research Affairs Committee, Chair, Medical College of Wisconsin, Milwaukee, WI
07/2016 - 06/2019 Chair, Research Affairs Committee, Medical College of Wisconsin
03/13/2018 - 03/14/2018 Member, LCME Self-Study Subcommittee on Faculty, Medical College of Wisconsin
05/2018 - Present Pediatric Cardiology Fellow Research Scholarly Oversight Committee, Member, Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee
04/2019 - Present Nelson's Undiagnosed & Rare Disease Team, Member, Children's Hospital of Wisconsin, Milwaukee, WI
09/2019 - Present CHNC Neurosurgery Focus Group, Co-Leader
10/2020 - Present CHNC Transitions/Follow Up Focus Group
01/2022 - Present Children's Wisconsin System Strategy, Medical Home & Care Model Transformation "Tiger Team", Children's Wisconsin, Milwaukee, WI
Residents & Fellow Education
Children's Hospital of Wisconsin
MEDICAL COLLEGE TEACHING ACTIVITIES:
Children's Hospital Neonatal Consortium
Medical Student Education

Hospital

04/2019 - Present Member, Nelson's Undiagnosed & Rare Disease Team, Children's Hospital of Wisconsin
09/2019 - Present Co-Leader, CHNC Neurosurgery Focus Group, Children's Hospital Neonatal Consortium

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

01/2016 - 06/2020 M1 Physician-Scientist -MCR Pathway, Pathway Facilitator

EXTRAMURAL TEACHING:

Resident and Fellow Education

11/2015 - 06/2021 Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee, WI, Subspecialty/Research Track, Co-Director, Pediatric Residency Program

05/2018 - Present Medical College of Wisconsin, Children's Hospital of Wisconsin, Milwaukee, WI,
Pediatric Cardiology Fellow Research Scholarly Oversight Committee

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

Bethany Powers, MCW, 10/2012 - 06/2016 10/2012-6/2016, MCW Summer Research and Honors in Research Mentor

Bethany Powers, MCW, 10/2012 - 06/2016 MCW Summer Research and Honors in Research Mentor

Felipe Murguia, MCW, 10/2014 - 10/2015 10/2014-10/2015, MCW Summer Research Mentor

Felipe Murguia, MCW, 10/2014 - 10/2015 MCW Summer Research Mentor

Isabella Lambert, MCW, 10/2015 - 06/2019 MCW Summer Research and Honors in Research Mentor

Matthew Wright, MCW, 10/2015 - 06/2019 MCW Summer Research and Scholarly Pathways Mentor

Kelly Staricha, MCW, 10/2016 - 06/2020 MCW Summer Research and Honors in Research Mentor

Gelique Ayala, MCW, 10/2018 - Present Scholarly Pathway Mentor

Gelique Ayala, MCW, 10/2018 - Present 10/2018- present, Scholarly Pathway Mentor

Molly Serebin, MCW, 10/2019 - Present Research Mentor

Hannah Allchurch, MCW, 10/2019 - Present Research Mentor

Marisa Tobes-Kelly, MCW, 10/2020 - Present MCW Summer Research

Marisa Tobes-Kelly, MCW, 10/2020 - Present 10/2020-present, MCW Summer Research

Clinical/Research Fellows

Kartikeya Makker, MCW, 11/2011 - 06/2014 11/2011- 6/2014, Scholarly Oversight Committee member

Kartikeya Makker, MCW, 11/2011 - 06/2014 Scholarly Oversight Committee member

Pui Lai, MCW, 10/2014 - 06/2017 Scholarly Oversight Committee member

Katie Fritz, MCW, 10/2014 - 06/2017 Scholarly Oversight Committee member

Katie Fritz, MCW, 10/2014 - 06/2017 10/2014- 6/2017, Scholarly Oversight Committee member

Pui Lai, MCW, 10/2014 - 06/2017 10/2014- 6/2017, Scholarly Oversight Committee member

Jodi Garvin, MCW, 07/2016 - 06/2019 Research Mentor

Jodi Garvin, MCW, 07/2016 - 06/2019 7/2016-6/2019, Research Mentor

Corinne Swearingen, MCW, 07/2017 - 06/2020 7/2017-6/2020, Research Co-Mentor

Corinne Swearingen, MCW, 07/2017 - 06/2020 Research Co-Mentor

Alexandra Wilson, MCW, 02/2019 - Present Research Mentor

Alexandra Wilson, MCW, 02/2019 - Present 2/2019- present, Research Mentor

David Segar, MCW, 03/2020 - Present 3/2020- present, Research Mentor

David Segar, MCW, 03/2020 - Present Research Mentor

Katie Carlton, MCW, 07/2020 - Present Research Mentor

Katherine Carlton, MCW, 07/2020 - Present 7/2020- present, Research Mentor

Kathryn Berlin, MCW, 10/2020 - Present 10/2020- present, Research Co-Mentor

Residents

Katie Fritz, MCW, 07/2012 - 06/2013 Intern Adviser

Katie Fritz, MCW, 07/2012 - 06/2013 7/2012- 6/2013, Intern Advisee

Cailyn Rood, MCW, 08/2014 - 06/2017 8/2014- 6/2017, Career Path Advisor

Cailyn Rood, MCW, 08/2014 - 06/2017 Career Path Mentor

Abhineet "Monti" Sharma, MCW, 08/2015 - 06/2018 Intern Advisee

Abhineet "Monti" Sharma, MCW, 08/2015 - 06/2018 8/2015- 6/2018, Intern and Career Path Advisor

Clare O'Hare, MCW, 01/2016 - 06/2018 1/2016-6/2018, Research Mentor

Clare O'Hare, MCW, 01/2016 - 06/2018 Research Mentor

Corinne Swearingen, MCW, 01/2017 - 06/2017 Research Mentor

Corinne Swearingen, MCW, 01/2017 - 06/2017 1/2017-6/2017, Research Mentor

Katherine Carlton, MCW, 07/2017 - 06/2020 Research Mentor

Michael Kim, MCW, 11/2017 - 06/2020 Research Mentor

Michael Kim, MCW, 11/2017 - 06/2020 11/2017- 6/2020, Research Mentor

Chondraah Holmes, MCW, 05/2020 - Present 5/2020-present, Research Mentor

Rafael Gutierrez, MCW, 10/2020 - Present 10/2020- present, Research Mentor

Rafael Gutierrez, MCW, 10/2020 - Present Research Mentor

Katherine Carlton, MCW, - 2017 July 2017- 6/2020, Research Mentor

**EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS
MENTORED:**

High School Students

Jenna Ausloos, Brookfield Central High School, 02/2012 - 05/2012 Clinical Mentor
Jenna Ausloos, Brookfield Central High School, 02/2012 - 05/2012 2/2012-5/2012, Clinical Mentor
Alainna Wagg, Brookfield Central High School, 08/2012 - 06/2013 8/2012- 6/2013, Clinical Mentor
Alainna Wagg, Brookfield Central School, 08/2012 - 06/2013 Clinical Mentor
Sophia Frank, Brookfield East High School, 02/2022 - Present 2/2022-present, Clinical Mentor

Undergraduate Students

Erin Cummings, Brown University, 2008 - 2010 Research Advisor
Erin Cummings, Brown University, 2008 - 2010 2008-2010, Research Advisor
May Min, Brown University, 2009 - 2011 2009-2011, Research Advisor
May Min, Brown University, 2009 - 2011 Research Advisor
Jenna Ausloos, University of Wisconsin- Madison, 2014 - 2018 Career Mentor
Jenna Ausloos, University of Wisconsin- Madison, 2014 - 2018 2014-2018, Career Mentor

Medical Students

Residents

Aidan Reid, 10/2020 - Present Research Mentor

PROGRAMMATIC DEVELOPMENTS:

Clinical Programs

05/2017 - Present Director, CHW Neonatal Neurocritical Care Group; this is a group of neonatologists, pediatric neurologists, nurses, and neurosurgeons to address neonatal neurologic problems in the NICU
05/2017 - Present Director, CW Neonatal Neurocritical Care Program, a multidisciplinary clinical and research collaboration that improves care and outcomes in NICU patients
01/2021 - Present Medical Director, CW HOPE Clinic, NICU Neurodevelopmental Follow Up Clinic for high-risk infants
01/2021 - Present Medical Director, CW HOPE Clinic, NICU Neurodevelopmental Follow Up Clinic for high-risk infants

COMMUNITY SERVICE ACTIVITIES:

2013 - 2014 Brookfield Soccer Association, Assistant Coach, NY Red Bulls (U6)
2013 Brookfield Soccer Association, Assistant Coach, Scorpions (U6)
2013 - 2014 Brookfield Soccer Association, Assistant Coach, NY Red Bulls (U6)
2013 - Present Brookfield Soccer Association, Assistant Coach, Scorpions (U6)
2014 - 2015 Brookfield Soccer Association, Assistant Coach, Chicago Fire (U7)
2014 - 2015 Brookfield Soccer Association, Assistant Coach, Chicago Fire (U7)
2015 - 2016 Daisy Co-Leader, Troop #20134, Dixon Elementary
2015 - 2016 Brookfield Soccer Association, Manager, DC United (U6)
2015 Brookfield Soccer Association, Manager, Houston Dynamos2 (U6)
2015 - 2016 Brookfield Soccer Association, Manager, Atlanta FC (U8)

2015 - 2016 Daisy Co-Leader, GSA Troop #20134, Dixon Elementary
 2015 - 2016 Brookfield Soccer Association, Manager, DC United (U6)
 2015 - 2016 Brookfield Soccer Association, Manager, Atlanta FC (U8)
 2015 - Present Brookfield Soccer Association, Manager, Houston Dynamos 2 (U6)
 2016 - 2017 Daisy Co-Leader, Troop #20134, Dixon Elementary
 2016 - 2017 Daisy Co-Leader, GSA Troop #20134, Dixon Elementary
 2017 - 2018 Brownie Co-Leader, GSA Troop #20134, Dixon Elementary
 2017 - 2018 Brownie Co-Leader, Troop #20134, Dixon Elementary
 2018 - 2019 Brownie Co-Leader, Troop #20134, Dixon Elementary
 2018 - 2019 Brownie Co-Leader, GSA Troop #20134, Dixon Elementary
 2020 - 2021 5th grade "Virtual" Class Parent, Dixon Elementary
 2020 - 2021 5th grade "Virtual" Class Parent, Dixon Elementary
 2021 - Present Elmbrook United, Team Manager, U12 Girls Premier Team
 2021 - Present current, Elmbrook United Soccer Club, Team Manager, Arizona United (Girls U6)
 2021 - Present current, Elmbrook United Soccer Club, Team Manager, U12 Girls Premier

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Cohen SS, Min M, Cummings EE, Chen X, Sadowska GB, Sharma S, et al. Effects of interleukin-6 on the expression of tight junction proteins in isolated cerebral microvessels from yearling and adult sheep. *Neuroimmunomodulation*. 2013;20(5):264-73. Epub 2013/07/23. doi: 10.1159/000350470. PubMed PMID: 23867217.
2. Cohen SS, Stonestreet BS. Sex differences in behavioral outcome following neonatal hypoxia ischemia: Insights from a clinical meta-analysis and a rodent model of induced hypoxic ischemic injury. *Experimental Neurology*. 2014;256(0):70-3. doi: <http://dx.doi.org/10.1016/j.expneurol.2014.03.018>.
3. Ke X, Xing B, Yu B, Yu X, Majnik A, Cohen S, Lane RH, Joss-Moore L. IUGR disrupts the PPARgamma-Setd8-H4K20me and Wnt signaling pathways in the juvenile rat hippocampus. *International journal of developmental neuroscience : the official journal of the International Society for Developmental Neuroscience*. 2014;38C:59-67. doi: 10.1016/j.ijdevneu.2014.07.008. PubMed PMID: 25107645.
4. Cohen SS, Powers BR, Lerch-Gaggl A, Teng RJ, Konduri GG. Impaired cerebral angiogenesis in the fetal lamb model of persistent pulmonary hypertension. *International journal of developmental neuroscience : the official journal of the International Society for Developmental Neuroscience*. 2014;38C:113-8. doi: 10.1016/j.ijdevneu.2014.08.003. PubMed PMID: 25172169. Corresponding Author
5. Ke X, McKnight RA, Gracey Maniar LE, Sun Y, Callaway CW, Majnik A, Lane RH, Cohen SS. IUGR Increases Chromatin-Remodeling Factor BRG1 Expression and Binding to GR Exon 1.7 Promoter in Newborn Male Rat Hippocampus. *American journal of physiology Regulatory, integrative and comparative physiology*. 2015;ajpregu 00495 2014. doi: 10.1152/ajpregu.00495.2014. PubMed PMID: 25972460. Corresponding Author
6. Fritz K, Karody V, Cohen S. Paraechovirus Sepsis and Meningitis in a Neonatal Intensive Care Unit. (2015) *J Neuroinfect Dis* 6:187. doi: 10.4172/23314-7326.1000187
7. Cohen S, Ke X, Liu Q, Fu Q, Majnik A, Lane R. Adverse early life environment increases hippocampal microglia abundance in conjunction with decreased neural stem cells in juvenile mice. *Int J Dev Neurosci* 2016;55:56-65.
8. David R. Harder, Kevin R. Rarick, Debebe Gebremedhin, Susan S. Cohen. Regulation of Cerebral Blood Flow: Response to Cytochrome P450 Lipid Metabolites. *Compr Physiol* 2018, 8: 801-821. doi: 10.1002/cphy.c170025 (impact factor: 6.949, 2016)
9. Lambert I, Tarima S, Uhing M, Cohen SS. Risk Factors Linked to Central Catheter-Associated Thrombosis in Critically Ill Infants in the Neonatal Intensive Care Unit. *Am J Perinatol*. 2018. Epub 2018/08/07. doi: 10.1055/s-0038-1667377. PubMed PMID: 30081400
10. Ke X, Fu Q, Majnik A, Cohen S, Liu Q, and Lane R. Adverse Early Life Environment Induces Anxiety-Like Behavior and Increases Expression of FKBP5 mRNA Splice Variants in Mouse Brain. *Physiological Genomics* 2018, Nov 1; 50(11):973-981
11. Cohen S, Liu Q, Wright M, Garvin J, Rarick K, Harder D. High glucose conditioned neonatal astrocytes results in impaired mitogenic activity in cerebral microvessel endothelial cells in co-culture. *Heliyon*. 2019;5(5):e01795. doi: 10.1016/j.heliyon.2019.e01795. Corresponding Author

12. Staricha K, Meyers N, Garvin J, Liu Q, Rarick K, Harder D, Cohen S. Effect of high glucose condition on glucose metabolism in primary astrocytes. *Brain research*. 2020;1732:146702. Epub 2020/02/08. doi: 10.1016/j.brainres.2020.146702. PubMed PMID: 32032612. Corresponding Author
13. Social disparities negatively impact neonatal follow-up clinic attendance of premature infants discharged from the neonatal intensive care unit. Swearingen C, Simpson P, Cabacungan E, Cohen S. *J Perinatol*. 2020 Mar 23. doi: 10.1038/s41372-020-0659-4. PubMed PMID: 32203182. Corresponding Author
14. Carlton K, Cabacungan E, Adams SJ, Cohen SS. Quality improvement for reducing utilization drift in hypoxic-ischemic encephalopathy management. *J Perinat Med*. 2020. Epub 2020/11/04. doi: 10.1515/jpm-2020-0095. PubMed PMID: 33141108. Corresponding Author
15. Garvin J, Liu, Q, Rarick K, Isaeva E, Levchenko V, Staruschenko A, Palygin O, Cohen S. Astrocytic Responses to High Glucose Impairs Barrier Formation in Cerebral Microvessel Endothelial Cells. *American journal of physiology Regulatory, integrative and comparative physiology*. In Review
16. Sherburne E, Sawin K, Derflinger T, Heffelfinger A, Koop J, Cohen S, Foy A. Sociodemographic disparities in fetal surgery for myelomeningocele: single center retrospective review, *J Neurosurgery: Pediatrics*. In Review
17. Cohen S, Mietzsch U, Coghill C, Dereddy N, Ducis K, El Ters N, Heuer G, Sewell E, John Flibotte J. Survey of Quaternary Neonatal Management of Post-Hemorrhagic Hydrocephalus 2 within the Children's Hospital Neonatal Consortium, *American Journal of Perinatology*. Accepted with minor revisions

Books, Chapters, and Reviews

1. Cohen, Susan S., Maleeb, Shadi N., Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*. 4th Edition, Chapter 161, Pages 1763-1774, Ed. Polin and Abman. Sept 2011
2. Badaut, Jerome, Cohen, Susan S., Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*, 5th Edition, Chapter 132, Pages 1312-1323, Ed. Polin, Abman, Rowitch, and Benitz. July 2016
3. Disdier, Clémence, Cohen, Susan S, Errede, Mariella, Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*, 6th Edition, Ed. Polin, Abman, Rowitch, and Benitz, in press.
4. Cohen, Susan S., Maleeb, Shadi N., Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*. 4th Edition, Chapter 161, Pages 1763-1774, Ed. Polin and Abman. Sept 2011
5. Badaut, Jerome, Cohen, Susan S., Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*, 5th Edition, Chapter 132, Pages 1312-1323, Ed. Polin, Abman, Rowitch, and Benitz. July 2016
6. Disdier, Clémence, Cohen, Susan S, Errede, Mariella, Virgintino, Daniela, Stonestreet, Barbara S. "Development of the Blood-Brain Barrier." *Fetal and Neonatal Physiology*, 6th Edition, Chapter 126, Pages 1327-1341, Ed. Polin, Abman, Rowitch, and Benitz, August 2021
7. Cohen S, Flibotte J. Treatment of Posthemorrhagic Hydrocephalus. *Clin Perinatol*. 2022 Mar;49(1):15-25. doi: 10.1016/j.clp.2021.11.002. Epub 2022 Jan 21. Review. PubMed PMID: 35209998.
8. Yale S, Cohen S, Bordini BJ. Diagnostic Time-Outs to Improve Diagnosis. *Crit Care Clin*. 2022 Apr;38(2):185-194. doi: 10.1016/j.ccc.2021.11.008. Review. Pubmed PMID: 35369942