Research Internship Program
Summer, 2017

Cohen Children’s Medical Center
New Hyde Park, New York
Cohen Children’s Medical Center:

Steven and Alexandra Cohen Children's Medical Center of New York is dedicated to providing the highest levels of care in meeting the special needs of children, from premature babies to adolescents. The specialists in its national and international programs cover a range of specialties. Its 202-bed hospital opened in 1983 as the New York metropolitan area's only hospital designed exclusively for children. Today it is the largest provider of pediatric health services in New York State. Cohen Children's Medical Center serves 1.8 million children in Brooklyn, Queens, Nassau and Suffolk counties – providing state-of-the-art care for children's medical, surgical, psychiatric and dental needs in both inpatient and outpatient settings.

Northwell Health:

Northwell Health is comprised of 21 hospitals, three skilled nursing facilities, many specialty programs and institutes, and more than 12,000 member physicians. Northwell Health’s Physician Partners employs nearly 2,700 full-time physicians and offers nearly 400 regional ambulatory locations and physician practices.
## Available Internships – 2017

<table>
<thead>
<tr>
<th>Pediatric Sub-specialty Area</th>
<th># of Positions</th>
<th>Time Commitment</th>
<th>Contact Name</th>
<th>Page Number</th>
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<tbody>
<tr>
<td>Developmental &amp; Behavioral Pediatrics</td>
<td>4 - 5 (Housing stipend available)</td>
<td>8 - 10 weeks</td>
<td>Christine Peck <a href="mailto:CPeck@northwell.edu">CPeck@northwell.edu</a></td>
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<tr>
<td>Hospital Medicine</td>
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<td>Nancy Palumbo, MD <a href="mailto:NPalumbo@northwell.edu">NPalumbo@northwell.edu</a></td>
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<td>Allergy &amp; Immunology</td>
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<td>Infectious Disease</td>
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<td>Pulmonary</td>
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<td>Quality &amp; Safety</td>
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<td>8 weeks</td>
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Developmental & Behavioral Pediatrics

**Description:** An 8-10-week internship program in clinical research related to developmental and behavioral disorders in children and adolescents is offered by Cohen Children’s Medical Center of New York (formerly Schneider Children’s Hospital) – part of Northwell Health.

The Summer Research Internship offers 4-5 accomplished students the opportunity to work closely with a faculty mentor on one or more research projects related to normal or abnormal child development. Students will assist the faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. Although the internship is primarily focused on clinical research, there may be an opportunity for one intern to also co-author a review article for publication in a peer-reviewed pediatric journal. (See details below.)

While participating in the program, interns will be expected to attend some introductory clinical lectures about child development and developmental disorders. Research interns will also be encouraged to attend other lectures of interest available through the Department of Pediatrics at the Children’s Hospital. There will also be opportunities for occasional shadowing of clinicians in our sub-specialty area and potentially other pediatric sub-specialties as well.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record, an interest in child psychology, child neurology, child psychiatry, or developmental pediatrics, and aspires to attend a doctoral program in medicine.

**Research Abstracts/Publications:** It is anticipated that students will be included as co-investigators on one or more research abstracts submitted to national research meetings. Students who are able to successfully write a manuscript for journal submission of their research findings will be identified as the first or second author of any paper submitted for publication. A list of research abstracts accepted for presentation at national meetings in 2012, 2013, 2014 and 2015 is attached. (Abstract decisions for the 2016 meeting will be announced in mid-February.)

**Review Article:** There may be an opportunity for a well-qualified student to be the first author on a review article for a peer-reviewed medical journal. To the extent that the specific focus of this review article has not yet been determined, suggestions by intern applicants are welcome. The article needs to be clinically focused and related to a specific developmental disorder. A student with strong academic credentials and equally strong writing skills may be given the opportunity to write the first draft of this article and be identified as first author of this review article. The manuscript will need to be completed by August 20th.
**Summer Program Dates:** Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take up to one week off in the middle of their internship as needed.

**Other Activities/ Expectations/Opportunities:** Although the primary focus of the internship is clinical research and writing, and it is expected that this will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:

- **Lectures:** ~ 10% of time
  - Attend lectures related to developmental & behavioral problems in children (typically 2 / week)
  - Prepare and present 1-2 talks to Division’s professional staff

- **Clinical Observation:** ~ 10% of time
  - Shadow one or more developmental pediatricians for new and follow-up patients.
  - Opportunities exist for research interns to shadow other pediatric specialists (e.g., pediatric cardiology, endocrinology) as well. This would be arranged on weekdays when the intern is not working in the Division of Developmental & Behavioral Pediatrics.

- **Miscellaneous:** ~ 5-10% of time
  - Assist with special projects and general office support

**Stipend:** This is an unpaid internship; however, a housing stipend ($200/week) will be provided at the end of the summer to interns who do not live in the immediate metro area and incurred rent expenses.

**To Apply:** You must submit a completed application (PDF attached), a résumé, and an unofficial transcript. The most competitive applicants will be invited to interview via Skype. Occasionally, candidates may be asked to provide letters of recommendation and/or a writing sample such as a recent term paper. If requested, letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Ms. Christine Peck at CPeck@northwell.edu.

**Application Process & Deadline:** The submittal deadline is March 3rd, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in mid-late March.
For Further Information: The research internship is coordinated by Dr. Andrew Adesman, Chief of the Division of Developmental & Behavioral Pediatrics. Questions regarding the internship or its application should be directed to his assistant, Christine Peck, at 516 802-6101 (CPeck@northwell.edu).

Additional Information: On the following pages, we have provided you with some additional information that may be useful:

- **Research Abstracts:** To give you a sense for the breadth, scope and volume of research topics that we have pursued in recent years, you will find on pages 4 – 13 the titles of research abstracts that have been presented at our nation’s most prestigious pediatric research meeting.

- **Testimonials:** Each January, we ask our research interns from the previous summer to provide us with feedback about their research experience. On pages 14 – 26, you can read the unedited testimonials from each of our summer interns since the program’s inception in 2010.
Pediatric Academic Societies (www.aps-spr.org)
2016 National Meeting: Research Abstract Acceptances

Platform Presentation:

- Formula Feeding Is Associated with Higher Risk for ADHD in Preschoolers*
- Breastfeeding and Later ADHD: Are There Dose Effects or a Continuum of Benefits in Benefit in Babies Who Are Also Formula Fed*
- Increased Risk of Aggressive Behavior among Victims of Multiple Forms of Bullying*
- Adolescents’ Ease of Access to Marijuana Before and After Legalization of Marijuana in Washington State
- Chew On This: Not All Products Labeled First Finger Foods Are Created Equal***
- Maternal Self-Efficacy and Maternal Depressive Symptoms on Parent-Child Joint Book Reading***
- Parent Concerns in Developmental Screening May Suggest Maternal Depression

Poster Presentations:

- Age at Diagnosis and Treatment of ADHD in Children in the U.S.: Impact of Race and Clinical Severity*
- Clinical & Treatment Correlates of Complementary and Alternative Medicine Use for ADHD*
- Use of EEG Neurofeedback for School-Age Children with ADHD*
- Accommodating to the Needs of Youth with ADHD: Support for Classroom Accommodations by Primary Care Pediatricians***
- Parent Perception of their Child's ADHD Symptoms: Severity at Worst vs. Current Severity
• Parent Satisfaction and Issues with Access to ADHD Treatment

• Face-to-Face and Cyber Victimization Differently Associated with Parenting Style*

• Perceived Stigma of Adolescent Marijuana Use Following the Legalization of Marijuana in Washington State

• Change in Adolescents’ Perceived Risk of Marijuana Use Following the Legalization of Marijuana in Washington State

• Legalization of Adult Recreational Marijuana Use in Washington State and Teen Marijuana Use Relative to U.S. Trends*

• Underuse of Proper Child Restraints in Taxis: Are weak laws putting children in danger?

• Availability of Car Seats Offered by Taxi Companies in Urban U.S. Cities

• Lack of Parental Adherence to AAP Safety Guidelines: Poor Recollection of Anticipatory Guidance by Physicians*,**,***

• Physician Discussion of AAP Car Seat Safety Guidelines: Unexpected Racial Disparities*,**,***

• Child Safety Issues: Parents Want More Advice from their Pediatricians!,**,***

• Racial and Ethnic Differences among U.S. Women Regarding Their Decision to Breastfeed Beyond One Year of Age

• Peanut-Containing Products in Children's Hospitals: Putting Pediatric Patients at Risk*,**,***

• Wandering Prevalence in Youth Ages 6-17 with Autism Spectrum Disorders*

• Clinical Correlates of Wandering in Children with Autism Spectrum Disorders*

• Psychiatric Correlates of Bullying Victimization in Children with Developmental Disabilities*

• Parental Beliefs about the Etiology of Developmental Disabilities*

• Prevalence of Genetic Testing among U.S. Children with Developmental Disabilities*

• Writing Prescriptions for Motor Therapies: Primary Care Pediatrician Knowledge and Comfort**,***
- How Do Primary Care Pediatricians Perceive the Adequacy of Their Developmental and Behavioral Pediatrics Training during Residency?**,***,

- Prevalence of Depression Symptoms of Pediatric Residents*

- Examining Sleep Habits of Pediatric Residents: Accumulating Sleep Debt*

- An Examination of NICU Nurses' Training with Regards to Feeding Infants**

- PTSD Scores Among Mothers and Fathers of NICU Graduates Aged 1 to 36 Months*

- Support Systems for NICU Parents*

- Comparison of PTSD Scores of NICU Parents Across Infant Gestational Age Categories*

- Leading Stress Factors Reported by Parents of NICU Infants

* Summer research intern as 1st author
** Summer research intern as co-author
*** Pediatric resident or fellow as 1st author
Pediatric Academic Societies (www.aps-spr.org)
2015 National Meeting: Research Abstract Acceptances

Platform Presentation:

- Risk Factors for Physical and Sexual Dating Violence among Teens*
- Immediate Impact of Newly Implemented Texting While Driving Laws on Teenagers in the United States, 2011-2013*
- Bidirectional Gender Bias in Over-the-Counter Supplement Recommendations: A Comparative Study*,**
- Over-The-Counter Testosterone Boosters And Underage Teens: Easy Access And Misinformation Provided By National Retailers*,**
- Relative Risks of Depression and Suicidal Tendency Among Victims of School- and Electronic-Bullying With Co-Risk Factors*
- Relationship between Caregiver Distractions and Children's Risk Taking Behaviors on a Playground**,***
- Playground Observation Study: Come, Play, Put your Electronic Device Away**,***
- Low Health Literacy (HL): Potential Barrier To Using Parent-Completed Developmental Screening Tools (PCDST)

Poster Presentations:

- Victimization of High School Students: Impact on School Attendance and Weapon Carrying Behaviors*
- Support and Maternal Ratings of Factors that Influence Mothers' Decision to Breastfeed Beyond One Year of Age: Healthcare Providers, Family, and Friends*
- Breastfeeding Toddlers & Preschoolers: Is it More Common with Boys or Does the Mass Media Sensationalize Nursing?*
- An International Comparison of Factors that Influence a Mother's Decision to Breastfeed Beyond 1 Year*
- The Relationship between Seat Belt and Bike Helmet Use in U.S. Teens*
Transportation Safety: The Effect of Primary vs. Secondary Seat Belt Enforcement Laws on Seat Belt and Bicycle Helmet Use*

A Comparison of Texting While Driving by Teenagers: Driver Age and Experience*

Body Image as a Mediator of Daily Consumption of Non-Diet Sodas in Overweight and Obese Teens*

The Role of Diet in Teenage Obesity: Daily Fruit & Vegetable Consumption*

Consumer Ratings of Baby Walkers: Ignoring the AAP's Warning?*

Prematurity-Associated Growth Problems: A Parent's Perception of Risk*,**,***

Parental Perception of Risk Associated with Prematurity*,**,***

Parent Understanding of Age Correction and Developmental Patterns of Their Premature Infant*,**,***

Weight Loss and Underage Teens: Supplement Recommendations from National Retailers*,**,***

An Examination of Structural Obstacles between Neonatal Intensive Care Units and Delivery Rooms for NICU Response Teams*,**,***

Gender Differences in Risk of Weapon-Carrying By Adolescents Who Are Victims of Bullying*

Impact of Physician Training and Prescribing Volume on ADHD Patients Being Educated About Stimulant Diversion & Misuse*

The Impact of State Laws Regarding Contraception Access and Use by Teen-Age Girls in the United States*

Assessing Community Participation among Children with Developmental Disorders: Analysis of the 2011-2012 National Survey of Children's Health*

Transition Readiness Among Teens and Young Adults With Attention-Deficit/Hyperactivity Disorder***

* Summer research intern as 1st author
** Summer research intern as co-author
*** Pediatric resident or fellow as 1st author
Pediatric Academic Societies (www.aps-spr.org)
2014 National Meeting: Research Abstract Acceptances

Platform Presentations:
- Association between Victims of Bullying and Weapon Carrying Among High School Students in the United States***
- Exponential, Not Additive, Increase in Risk of Weapons Carrying by Adolescents Who Themselves Are Frequent and Recurrent Victims of Bullying***
- Is Bottle Feeding Really a Risk Factor for Preschool ADHD?
- Prevalence and Student Perceptions of Prescription Stimulant Misuse at an Ivy League College*
- Comparison of Processing Speed, Math Performance, and Reading Performance in ADHD Children on Paper vs. Digital Interfaces*, **

Poster Presentations:
- Physician Perceptions and Knowledge of Diversion of Stimulant Medications for ADHD*
- Physician Practices To Prevent Diversion of ADHD Stimulant Medications*
- Association between Asthma and Physical Activity in Teens: Analysis of Representative National Data from the 2011 Youth Risk Behavior Survey (YRBS)*
- Stability of Autism Spectrum Disorder (ASD) Diagnoses in Children Ages 2-17: Analysis of 2011-212 National Survey of Children's Health Data*
- Medical Evaluation of Children with Intellectual Disability: Clinician Non-Compliance with Published Guidelines*
- Faux Pas Recognition Testing as a Measure of Social Deficits in Children with ADHD: Assessment and Comparison with Parent Predictions*
- Relationship between Cognitive Development and Touchscreen Device Usage in Infants and Toddlers*, **
- Correlation of Touchscreen Device Usage and Television Viewing with Feeding Habits, Night Waking episodes, and Parent Frustration: A Pilot Study*, **
Pediatric Academic Societies (www.aps-spr.org)
2013 National Meeting: Research Abstract Acceptances

Platform Presentations:

• Smoking Policy on College Campuses: Influence of Sociodemographic Factors **

• Early Sexual Debut in the United States: Longitudinal Analysis of National Data from the Youth Risk Behavior Surveillance System from 1991 – 2011*

• Electronic Bullying and Recreational Video/Computer Time in U.S. High School Students*

• Medication Management of Preschool ADHD by Pediatric Sub-Specialists: Non-Compliance with AAP Clinical Guidelines***

Poster Presentations:

• Texting While Driving among High School Students: Analysis of 2011 Data from the National Youth Risk Behavior Surveillance System (YRBSS)*
  - Selected for Student Research Award, which included a $1,000 prize

• Sexual Risk Taking Behavior among US Teens: Update 2011*

• Diagnostic Evaluation of Children with Autism: Real-Life vs. Recommended*

• Parent vs. Teacher Ratings of Core and Associated Behaviors of Autism Spectrum Disorder in Preschoolers*

• Early Introduction of Solid Foods to Premature Infants and Impact on Feeding Behaviors**, ***

• Failure to Adjust for Gestational Age When Plotting Premature Infant Growth and Its Impact on Parental Satisfaction**, ***

• Prevalence and Duration of Breastfeeding in ADHD vs. Non-ADHD Children Ages 3–5: Analysis of 2007 National Health Survey Data***

• Clinical Criteria for Pharmacotherapy in Preschool Children with ADHD***

• The History of Amphetamines: The Good, the Bad & the Ugly!* [historical poster]
Pediatric Academic Societies (www.aps-spr.org)
2012 National Meeting: Research Abstract Acceptances

Platform Presentation:

• Are Some Disabilities More Handicapping than Others? A Comparison of Teacher Grading of Children with Medical, Physical and Behavioral Disabilities*

Poster Presentations:

• Preschool ADHD and Impact on Family Functioning: Analysis of National Children's Health Survey 2007 Data*

• Long-Term Developmental Outcome of Children Whose Mothers Reported Loss of Fetal Activity During Pregnancy

• Stimulant Diversion and Access in Households with Children on Stimulant Medication for ADHD

• Is Tourette Syndrome More Common in Children or Adolescents with Atopic Disease? Analysis of a Population-Based Sample of Youth in the United States***

• Neuromotor Outcome of Young Children Whose Mothers Reported Loss of Fetal Activity

• Major Shortcomings of the Short Version of the Conners' Rating Scales-Revised for Diagnosing ADHD, Inattentive Type in Children

• Utilization of Questionnaires in Assessment & Management of Preschool ADHD: Analysis of Data from the 2007 National Survey of Children’s Health***

• ADHD Medication Holidays: Factors Involved in the Parental Decision Whether or Not to Continue Medical Treatment during the Summer ***

• The Guthrie Test: A 50-Year Retrospective on Screening for Phenylketonuria [historical poster; not research]
"Being able to spend my summer doing research at Cohen Children’s Hospital under Drs. Adesman and Milanaik was an absolute privilege. There are so many aspects of this internship that I could highlight. The experience was unique, remarkable, and extraordinary for many reasons – the two largest being the passionate mentors with whom you will get to work and the tangible development you will undergo as a researcher under their guidance.

I believe that Dr. Milanaik and Dr. Adesman have created a mentorship and environment unparalleled by other research opportunities. From my personal summer experience, I can sincerely say that I have never had as much fun doing research as I did under these mentors. But beyond the creativity, passion, and enthusiasm they bring, both Dr. Adesman and Dr. Milanaik will push you to develop as a researcher. In one summer, I learned how to and successfully submitted my first IRB (followed by numerous others), wrote abstracts, started rough drafts for poster presentations and manuscripts, and received responsibility for multiple novel research projects.

Every day of the summer brought immense learning opportunities, genuine fun in the office, interesting conversations, and freedom to explore many different areas of interest. For these reasons and so many more, I would highly, and without any reservation, recommend this internship."

K.C., Harvard

"The Summer Clinical Research Internship in Developmental & Behavioral Pediatrics at Northwell Health was the best internship experience I have ever had. Dr. Adesman and Dr. Milanaik are wonderful people who take so much time out of their busy schedules to work with interns. They not only enjoy working with their students, but they also want their students to stand out in the medical school applicant pool. Because of them, I am the first author on multiple abstracts, which have been submitted to various medical conferences, and a review paper that will be published this year. I have been doing research throughout my undergraduate education, but never has anyone given me the amount of recognition that Dr. Adesman and Dr. Milanaik have given me. But what is most amazing about this internship is that I was able to do research on topics in pediatrics that were of interest to me, even if they did not necessarily fall into the domain of developmental and behavioral pediatrics. Because I was able to pursue what I was passionate about, I enjoyed coming into the office each and every day. In addition, Dr. Adesman and Dr. Milanaik are experts at choosing interns who are both hardworking and personable, so I really enjoyed having great company in the office all summer. And because of the wonderful experience I have had, I will be returning to the division in the spring of 2017 as a gap year intern. Thus, I really encourage anyone who is interested in medicine to apply to this internship. It will open more doors than you could ever imagine!"

S.S., Cornell
“I truly enjoyed my time interning with Dr. Adesman and Dr. Milanaik at Cohen Children’s Medical Center and can say that it is by far one of the most rewarding experiences I have had to date. I found the environment to be collaborative, yet also very facilitative towards independent work. This internship is incredibly unique in that Dr. Adesman and Dr. Milanaik not only provide a wide range of interesting research ideas of their own, but are also extremely supportive of self-initiated projects. I was fortunate enough to participate in projects varying from toe-walking to food deserts and greatly appreciate the diversity of research to which I was exposed. One of the most distinguishing aspects of this internship is the opportunity to be involved in each step of the research process. Throughout it all, Dr. Adesman and Dr. Milanaik were very accessible and provided excellent feedback. I learned how to conduct literature reviews, pitch ideas, prepare IRBs, format surveys, analyze results, and write abstracts and manuscripts. This hands-on learning would not have been possible without the extraordinary trust of Dr. Adesman and Dr. Milanaik and the degree of responsibility that we as interns had.

I would highly recommend this internship to anyone considering a career in healthcare, especially those who are self-motivated and passionate. You will have the opportunity to explore your individual interests with the unparalleled support, guidance, and expertise of Dr. Milanaik and Dr. Adesman while also gaining exposure to novel methods and ideas. At all times, I felt incredibly valued and well-utilized. I also genuinely enjoyed my time spent with the other interns and still keep in touch with them today. I am fully confident that the skills I gained this past summer will serve me well throughout my career, and I would absolutely repeat this past summer all over again if I could.”

M.S., Williams College

“There are three features that distinguish this clinical research internship in developmental and behavioral pediatrics. First, you will gain a firsthand experience of the day-to-day professional lives of developmental and behavioral pediatricians in one of the leading children’s hospitals in the US. The work of the physicians in the department is rich and varied, ranging from patient care to clinical research to consult in the NICU, and if you are interested in something you will be able to find someone in the department to teach you about it. Second, you will have close correspondence with Dr. Milanaik and Dr. Adesman on a daily basis, both of whom are experienced and well-respected pediatricians. Third, you will have nearly unlimited freedom to pursue clinical research projects of your choice. Paraphrasing Dr. Adesman: as long as it is (1) worth doing and (2) doable, you will be able to do it.

Dr. Milanaik and Dr. Adesman are very open-minded and supportive of intern-led initiatives, and for this reason the internship is particularly well-suited to students who are self-starting, self-motivated, and enjoy translating clinical and social problems they see into investigative research projects. Most research projects done in the department are operationalized as online questionnaires, and experience in questionnaire design and/or data analysis is helpful but not required. This internship is what you put into it, and your achievements will be commensurate with your ambition.”

W.G., Yale
Comments from Research Interns – Summer, 2015
(solicited, but unedited)

“The internship in the Division of Developmental and Behavioral Pediatrics under Dr. Adesman and Dr. Milanaik was one of a kind. In this internship, you are in a unique position as a student to conduct research on the forefront of the field, as well as work with patients and shadow physicians. I would strongly recommend this internship for any individual aspiring to be a doctor or psychologist. You get to conduct your own research and apply skills and techniques you’ve learned in class to a clinical setting. Additionally, the environment in the division is exquisite. The physicians and staff are all eager to work with you and make your research projects fun and enjoyable. You are also with a small batch of other intelligent and eager interns. Because the group is small, you get a great deal of attention. You are also bound to make great friends and work together on all your assignments. Even half a year later, I still talk regularly with all the interns from my class because we were friends inside and outside the division. Overall, this summer was excellent, and I would not hesitate to do it again.”

D.S., Yale

“The summer research internship was an incredibly rewarding experience. My experience at North Shore LIJ solidified my decision to pursue a career in medicine. I had the opportunity to shadow doctors in the office, visit the Neonatal Intensive Care Unit, as well as conduct clinical research. I was also excited to first author an article, which was published in January.

Dr. Adesman and Dr. Milanaik are extremely supportive mentors. Their enthusiasm for medicine was infectious and I appreciated their interest in teaching the interns about medicine and clinical research. In addition, the office environment was extremely collaborative. I worked on projects with other summer interns as well as residents and fellows.

Through my summer experience, I learned what it is like to be a physician. I highly recommend this internship to anyone who is interested in medicine and clinical research!”

C.J., Harvard

"Interning at Cohen Children’s Medical Center this past summer was one of the most valuable summer experiences I have had thus far in my academic career. This was so different from any other typical internship because, along with being heavily involved in pediatrics research, we all received the opportunity to shadow in the NICU, PICU, and within the developmental and behavioral pediatrics division. While I expected to conduct a research project, I was not anticipating the privilege to work on two primary studies, a secondary data...
analysis, and a manuscript review article already accepted for publication. I definitely learned a lot about how to write and properly format research articles geared for publication, and feel more comfortable in my writing abilities.

If you receive the pleasure of working with Dr. Adesman and Dr. Milanaik, you will find that there is plenty of meaningful work to do, and that they both are fantastic mentors. Not only did I feel completely guided throughout the research process (from formulating a research question to completing the IRB protocol), I also knew that Dr. Adesman and Dr. Milanaik would meet with us if we ever had any questions or were looking for more opportunities to get involved within the clinic or in research. They treat you as an equal and put a lot of time and effort into the interns' work. I could not ask for a more fulfilling, clinically meaningful research summer experience."

A.H., Yale (Master’s program)

Working at Cohen Children’s with Dr. Adesman and Dr. Milanaik this past summer was a unique and incredibly valuable experience. We were given full freedom and support to pursue whatever topic we were interested in within the scope of behavioral pediatrics. I think it is very rare to find an internship such as this one, where our ideas were treated with genuine interest and taken seriously. Through this internship, I learned how to conduct meaningful research on my own, experiencing every step first hand—from brainstorming, to getting IRB approval, to making my own surveys and distributing them. In the short amount of time that I was there, I came out with so many worthwhile skills that will definitely help me in the future, such as writing up a survey or writing a manuscript. It was a privilege being able to work on my own interests here and receiving the help that I did from both Dr. Adesman and Dr. Milanaik. It’s clear that they are genuinely devoted to seeing us succeed and accomplish the goals we set for ourselves, despite the fact that they had their plates full with their own manuscripts and patients. One of the biggest and undeniable perks of this internship is the opportunity to get published. The fact that the research we do and our writing will be actually published is incredible and definitely makes us stand out. I don’t think there are any other internships that make the promise of having your work published. While it may seem like a lot of work, we were definitely guided by all of the other doctors we were working with, so I never felt lost.

Other than what we learn from this internship, it was also a fulfilling experience because of the people you meet and become close to. The other interns and I became a very close-knit group immediately and we still keep in touch. The other doctors and nurses in the office are also very welcoming of us and made us feel included, even if we were only going to be there for a short amount of time. One of my favorite parts of this internship was getting the chance to shadow Dr. Milanaik. We would follow her around in the NICU and getting the chance to see patients like that is definitely preparing me for med school and made me even more excited to become a doctor. I had a great time during this internship and am so grateful for choosing to pursue it. I think many of its benefits are self-explanatory.

T.A., Harvard
“Working with Dr. Adesman and Dr. Milanaik this summer in the division of Developmental and Behavioral Pediatrics was a highly rewarding experience. The type of research being done in this office was totally different from anything I had done before, and it really exercised my reading, writing, and critical analysis skills. Both doctors are extremely encouraging of using the internship to pursue research topics of interest to the student, and much of their time is dedicated to helping the interns with their projects. The internship also provides wonderful opportunities for shadowing. Visiting the NICU with Dr. Milanaik was a very powerful experience for me, and has sparked a huge personal interest in neonatal health care. This internship is an incredible way to spend a summer, and I would highly recommend it to anyone interested in pursuing medicine or a health-related profession!”

C.C., Yale
"The internship in the Division of Developmental and Behavioral Pediatrics has been the most rewarding academic experience of my life thus far. Both Dr. Adesman and Dr. Milanaik are extremely passionate about fostering the growth and development of their interns, and therefore worked closely with me to find and develop projects tailored to my specific interests. The supportive environment of the internship pushed me to challenge myself in many areas, including scholastic-level writing and clinically-oriented research. The skills I've developed during this internship are 100% invaluable, and I am so grateful that I was awarded this opportunity."

J.B., Princeton University

"This internship was, by far, the most productive and rewarding summer experience I've ever had. Dr. Adesman and Dr. Milanaik are incredible mentors -- they offered lots of guidance and support while also giving us the flexibility to pursue specific research topics that interested us. I worked on a review article and an original research study, both of which allowed me to hone my scientific writing skills and explore topics that I wanted to learn more about. Another wonderful aspect of this program is that it strikes a perfect balance between research and clinical exposure; shadowing Dr. Adesman and his colleagues gave me insight into the field of developmental-behavioral pediatrics and solidified my desire to become a physician. Overall, I couldn't have asked for a better experience!"

B.K., Yale University

"The summer internship in the Division of Developmental and Behavioral Pediatrics was an extraordinary experience. Drs. Adesman and Milanaik were extremely supportive and worked so hard to make sure their research interns were able to explore what interested them most. They helped me figure out topics that excited me and gave me an incredible array of resources to discover more about them. Under their guidance, I became so much more confident in not only my research skills, but also my writing and critical thinking. The many shadowing opportunities allowed me to explore pediatric medicine and discover my interest in neonatology."

L.F., Cornell University
“My summer research experience in the Division of Developmental and Behavioral Pediatrics was extremely rewarding and intellectually stimulating. As an undergraduate student, the opportunity to design and conduct independent research projects was a unique one and speaks to the faith and confidence Drs. Adesman and Milanaik have in the summer interns. While being the main researcher on an independent project was admittedly a bit daunting at first, Drs. Adesman and Milanaik are great at working with interns through the entire process and the end result is a research experience that is tough to find elsewhere. The flexibility to explore my own interests with my research also led me to projects that excited my passions. Whether one is interested in a clinical study, data analysis, literature reviews, surveys, policy-based research, or really any other research method in between, Drs. Adesman and Milanaik will work with you to come up with a project to match these interests. With their assistance, having the opportunity to submit multiple abstracts to a national conference and draft a manuscript for publication is an extraordinary one for research interns.

What really distinguishes this internship, however, is the opportunity to work with Drs. Adesman and Milanaik. They are both great role models and mentors for anyone interested in medicine. They are also genuinely invested in the internship program and make sure to optimize each intern’s experience through different presentations and shadowing experiences, both in their division and throughout the hospital. For all these reasons and more, I would highly recommend this internship.”

M.H., Princeton University

“This far down in the comments, you should already be convinced that this internship is a meaningful, rewarding, incredible, exciting, rewarding, invaluable, rewarding, rewarding, experience.

In addition to being all of the above, this internship, in the hands of Dr. Adesman and Dr. Milanaik, goes above and beyond its promise to give interns the experience and mentorship they need to take ownership of significant research questions. You will learn how to conduct a comprehensive literature search, you will write and submit to the IRB, you will conduct studies and collect data, and in the end you will have to figure out what your results mean. Along the way, you’ll be given ample guidance and candid feedback to keep you on track, and you will never leave a conversation not knowing what to do next.

Above all, my favorite parts of the internship were my conversations with Dr. Adesman, Dr. Milanaik, and the other interns. It’s amazing how even the slightest inkling of a research question could develop into a full-fledged project in an environment like this. Interns also have the incredible opportunity to submit abstracts to the pediatric annual meeting and/or to incorporate their findings in submissions for publication.

Finally, as testament to how massively productive, fun, and engaging my summer internship was, I’m happy to report that I’ll be joining the division for a year as a full-time research assistant before entering medical school.”

T.P., Yale University
Comments from Research Interns – Summer, 2013
(solicited, but unedited)

“I can quite honestly reflect that my time in the Division of Developmental and Behavioral Pediatrics (DBPeds) was one of the most rewarding summers of my life. Through the guidance of Dr. Milanaik and Dr. Adesman, I was able to rapidly build my skills as a researcher, from drafting questionnaires to creating testable hypotheses to writing project proposals. The environment is very team-oriented, and while I was afforded the flexibility to develop my own individual research, the DBPeds staff and my fellow interns were always close at hand, ready with constructive criticism, support, and new ideas.

Both Dr. Milanaik and Dr. Adesman are very invested in their interns and will do whatever it takes to ensure you flourish as a researcher. I worked most closely with Dr. Milanaik, who is one of the most fun and vivacious physicians I have ever met. She is full of great ideas and dedicated to making sure you get the most out of your internship. She always went out of her way to afford myself and the other interns with special opportunities like going on rounds with residents in the hospital and scheduling tours for us in the PICU. Dr. Adesman is also a wonderful mentor to have. Although he is an expert in his field, he always makes sure to take time out of his busy schedule to check in with you, help you with a project, or point you toward more compelling opportunities.

Aside from the rich clinical experience you gain, you are also able to form close bonds with everyone you work with. Each staff member is very welcoming and interested in not only getting to know you but also in giving you advice about anything. In addition, you will work alongside other college students who may share many of your interests! If you are interested in children, medicine, research, or all three, this is definitely one of the best ways you could possibly spend your summer!”

O.O., Princeton University

“This internship was an invaluable experience to me for many reasons. On a personal level, it strengthened my interest in medicine by exposing me to the realities of the field in the NICU, PICU, and DB Peds clinic. Furthermore, the research was exciting because I had the freedom to study any aspect of clinical psych in DB Peds that interested me.

When it came time to apply to medical school, I drew heavily on my shadowing experiences to explain my motivations to go into medicine. Moreover, being able to say I was first author of an abstract selected as a platform presentation at a preeminent pediatric conference really strengthened my application.

Lastly, Dr. Adesman and Dr. Milanaik are incredibly intelligent, well-respected, and caring physicians and mentors. Their guidance in the clinic and with my research, as well as the opportunity to experience New York City, made my summer something special. I highly recommend this internship to any student interested in research and medicine.”
K.S., Northwestern University

“The clinical research internship has given me an opportunity to work alongside mentors who truly have a passion for what they do. Their guidance and interest towards my learning have enabled me to take part in so much more outside of my research project, such as being able to attend grand rounds and visiting the NICU unit. I also enjoyed getting to know the medical residents, and was able to obtain useful advice regarding medical school and the medical profession. Overall, this has been a wonderful and rewarding experience, and I highly recommend this internship to anyone who is considering a career in medicine.”

J.L., Carnegie Mellon University
Comments from Research Interns – Summer, 2012
(solicited, but unedited)

"The summer internship was definitely my most meaningful research experience to date. I had the chance to be the first author on a published paper, where I improved my writing skills as well as learned to critically evaluate medical journal articles. I also appreciated the many shadowing opportunities I was given throughout the course of the summer, which helped me to get a better understanding of what exactly behavior and developmental pediatrics entails."

A.B., University of Pennsylvania

“Working at Developmental and Behavioral Pediatrics was an incredible experience. I had the chance to participate in interesting research and shadow doctors and hospital rounds, all while learning enormously about the world of developmental pediatrics and about research in general. There are a lot of new and exciting things happening in this world, and I had a great summer in the midst of it!"

SM, Princeton University

“The summer internship was an incredibly rewarding experience for me. From the opportunity to do research alongside experts in the field, to the inviting weekly lectures given by attendings and residents eager to teach, to the balance of warmth and professionalism in the office, I couldn't have asked for more from this internship."

K.G., Bryn Mawr College; Columbia University (Post-Bacc.)

"The summer internship was an intellectually exciting experience that solidified and defined my interest in medicine. The hands-on combination of clinical research and physician shadowing gave me a great sense of what it's like to pursue a career in medicine. The individualized guidance I received as a research intern allowed me to focus on my personal interests and to better understand clinical research in the medical setting."

A.T., Columbia University
“The summer internship exceeded my expectations in every possible way. There is an incredible amount of flexibility in terms of the specific research each intern decides to conduct. The internship rewards those who are passionate about Developmental and Behavioral Pediatrics and are committed to putting in 100% every day. Hard-working interns can finish the summer with a number of abstracts to submit to annual meetings and with a manuscript to submit to the most prestigious pediatrics journal (as first author!). Dr. Adesman is the best mentor I have ever had and I assure you that he will go out of his way to ensure that you get the most out of the internship. While the internship offers interns the independence undergraduates want and deserve, Dr. Adesman is always available to offer advice and support.

Not only are you able to conduct meaningful clinical research, but you are also awarded the opportunity to shadow Dr. Adesman and other doctors in the field. When I shadowed Dr. Adesman, he went out of his way to review every patient file with me before we entered the patient’s room. Depending on your interests, Dr. Adesman is also more than willing to reach out to doctors in other fields, as he has many connections and is very well respected by all. I shadowed a pediatric endocrinologist and it was one of the most rewarding shadowing experiences I have had.

Furthermore, you will make some wonderful friends, as you get to spend the summer with a number of other students who are similarly driven and passionate about the field.

If you are a confident writer looking for an internship in which you can work with one of the experts in the field to conduct cutting edge research on a related topic of your choice, you should absolutely apply. You will get more out of one summer than other undergraduates or graduates get in two years.”

A.B., Princeton University

"The summer internship was an incredible learning experience. I got a chance to really initiate clinically-relevant research projects and follow through with multiple projects. As a research intern, you are involved in each step of the process, from conducting the background research, to writing and submitting IRB protocols, as well as recruiting subjects. This holistic experience makes this program unique, since it can be difficult to gain experience with all of these aspects of clinical research at once in other programs. We were even able to get an abstract from one of these projects accepted in the Eastern Society for Pediatric Research! Dr. Adesman and Dr. Milanaik also give students the opportunity to shadow them in the clinic, which really gave me an insight into the practice of developmental and behavioral pediatrics. Dr. Adesman, Dr. Milanaik, as well as the residents and fellows in the department, were incredibly supportive mentors and really encourage driven students to wholeheartedly pursue clinical research. I would recommend this program to any pre-med who is interested in pursuing research.”

R.R., University of Pennsylvania
Comments from Research Interns – Summer, 2011
(solicited, but unedited)

“My summer spent in the Division of Developmental-Behavioral Pediatrics was rewarding in several different ways. I had the opportunity to participate in research on exciting and important topics, such as preschool ADHD and teacher bias in the classroom. I was even able to continue some of this research for my senior thesis at Princeton University.

In addition to conducting research, I also gained exposure to a medical field that I knew very little about, developmental and behavioral pediatrics. As a psychology major and pre-medical student, this position tied together my interests perfectly. In fact, because of my rich experiences two summers ago, I am now considering entering this field for my career.

In addition to the numerous opportunities offered through the program, Dr. Adesman is a wonderful mentor. He is a brilliant physician, who generates wonderful research hypotheses. Unlike many other mentors, his primary goal is to see his interns succeed. He has access to many different resources, such as several nation-wide databases, that are available to use when attempting to answer research questions. He provided guidance, not only with my research, but also on my future career and my medical school prospects.

All in all, my summer spent as a research intern in D-B Peds was like none other. I highly recommend it to anyone interested in the field.

A.K., Princeton University
“Working with Dr. Adesman as an undergraduate gave me valuable research and writing experience that prepared me for a clinical psychology doctoral program. The opportunities to co-author academic papers not only strengthened my CV and applications, but also significantly improved these practical skills that have been critical in graduate school. I also gained clinical experience through shadowing him while he saw patients, which further prepared me for working in a clinical setting.’

A.C., Washington University in St. Louis
Description: A 6-8 week program in clinical research related to pediatric hospital medicine is offered by Cohen Children’s Medical Center of New York (formerly Schneider Children’s Hospital) – part of Northwell Health.

The Summer Research Internship offers 5-6 accomplished students the opportunity to work closely with a faculty mentor on one or more research projects related to Pediatric Hospital Medicine. Current projects in the division include outcome analysis after implementation of clinical guidelines in the newborn nursery, outcome analysis related to limited English proficiency, assessing role of care coordinator on throughput and research focusing on graduate medical education. Students will assist a faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. Most projects include retrospective chart reviews or database entry, but there will also be projects that may involve direct contact with patients.

While participating in the program, interns will have the opportunity to shadow the medical team on the inpatient units and in the newborn nursery. They will observe family centered rounds and participate in daily educational sessions such as morning report and noon conference.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record and aspires to attend a doctoral program in medicine.

Research Abstracts/Publications: It is anticipated that students will be included as co-investigators on one or more research abstracts submitted to national research meetings based on their participation in a research project. Students who are able to successfully write a manuscript for journal submission of their research findings will be identified as the first or second author of any paper submitted for publication.

Summer Program Dates: Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 6-8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take one or more unpaid days off as needed during their internship.

Other Activities/Expectations/Opportunities: Although the primary focus of the internship is clinical research and writing, and it is expected that this will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:
Lectures:
• Attend noon conference lectures and grand rounds on general pediatrics topics

Clinical Observation:
• Shadow medical team during Family Centered Rounds

**Stipend:** This is an unpaid internship.

**To Apply:** You must submit a completed application (PDF attached), a résumé, a writing sample, and an unofficial transcript. The most competitive applicants will be invited to submit 2 letters of recommendation. Letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Ms. Arlene Guastella, aguastel@northwell.edu

**Application Process & Deadline:** The submission deadline is March 17, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in late March.

**For Further Information:** The research internship is coordinated by Dr. Nancy Palumbo, Chief of the Division of Pediatric Hospital Medicine. Questions regarding the internship or its application should be directed to Dr. Nancy Palumbo, NPalumbo@northwell.edu
Allergy and Immunology

Description: An 8-10 week program in clinical research related to allergic and immunologic diseases in children and adults is offered by Cohen Children’s Medical Center of New York – part of Northwell Health (formerly, the North Shore-Long Island Jewish Health System).

The Summer Research Internship offers 2-3 accomplished students the opportunity to work closely with a faculty mentor on one or more research projects related to allergic or immunologic diseases. Students will assist the faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. The projects can include retrospective chart reviews, data analyses, and translational research. The student is expected to be an integral part of a team in designing and carrying out a research project. Although the internship is primarily focused on clinical or translational research, there may be an opportunity for the intern to also co-author a review article or meta-analysis for publication in a peer-reviewed journal. (See details below.)

While participating in the program, interns will be expected to attend some introductory clinical lectures about allergic and immunologic disorders. Research interns will also be encouraged to attend other lectures of interest available through the Department of Pediatrics at the Children’s Hospital. There will also be opportunities for shadowing of clinicians in our sub-specialty area and potentially other pediatric sub-specialties as well.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record, and interest in allergic or immunologic disorders (including primary and secondary immune deficiency, asthma, food allergy, atopic dermatitis or allergic rhinitis) and aspires to attend a doctoral program in medicine.

Research Abstracts/Publications: It is anticipated that students will be included as co-authors on one or more research abstracts submitted to national research meetings in which their work was an integral part of the abstract. Students who are able to successfully contribute to a manuscript for journal submission of the research findings will also be identified as a co-author of any paper submitted for publication on projects that they have contributed time, effort, and data.

Review Article: There may be an opportunity for a well-qualified student to be the first author on a meta-analysis or a review article for a peer-reviewed medical journal. To the extent that the specific focus of this review article has not yet been determined, suggestions by intern applicants are welcome. The article needs to be clinically focused and related to a specific allergic or immunologic disorder. A student with strong academic credentials and equally strong writing skills may be given the opportunity to write the first draft of this article and be identified as first author of this review article. The manuscript draft will need to be completed by August 20th.
**Summer Program Dates:** Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take one or more days off as needed during their internship.

**Other Activities/ Expectations/Opportunities:** Although the primary focus of the internship is clinical research and writing which will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:

- **Lectures (10%):**
  - Attend Allergy and Immunology core lectures, and case conferences
  - Prepare and Present the intern’s summer research findings to the A/I professional staff

- **Clinical Observation (10%):**
  - Shadow Allergy and Immunology faculty and fellows in the out-patient clinic and attend in-patient rounds

- **Miscellaneous (5-10%):**
  - Assist with special projects such as quality improvement projects and general office support

**Stipend:** This is an unpaid internship.

**To Apply:** You must submit a completed application (PDF attached), a résumé, and an unofficial transcript. The most competitive applicants may be asked to submit 2 letters of recommendation and/or a writing sample such as a recent term paper. If requested, letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Mrs. Patricia Bittner at pbittner@northwell.edu.

**Application Process & Deadline:** The submittal deadline is March 3, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in early March.
For Further Information: The research internship is coordinated by Dr. Punita Ponda. Questions regarding the internship or its application should be directed to Dr. Ponda at PPonda@Northwell.edu.
Pediatric Infectious Diseases

Description: An 8-10 week program in clinical research related to pediatric infectious diseases in children and adolescents is offered by Cohen Children’s Medical Center of New York – part of Northwell Health (formerly, the North Shore-Long Island Jewish Health System).

The Summer Research Internship affords the student the opportunity to work closely with a faculty mentor on one or more research projects related to pediatric infectious diseases. Students will assist the faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. Most projects include retrospective chart reviews and data analyses. The student is expected to be an integral part of a team in designing and carrying out a research project.

While participating in the program, interns will have the opportunity to shadow in our clinics and on rounds. Research interns will also be encouraged to attend other lectures of interest available through the Department of Pediatrics at the Children’s Hospital.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record and aspires to attend a doctoral program in medicine.

Research Abstracts/Publications: It is anticipated that students will be included as co-investigators in a research abstract submitted to national research meetings. Students who are able to successfully contribute to a manuscript for journal submission of the research findings will be identified as a co-author of any paper submitted for publication.

Summer Program Dates: Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns are allowed one or more days off as needed during their internship.

Other Activities/Expectations/Opportunities: Although the primary focus of the internship is clinical research and writing, and it is expected that this will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:

▶ Lectures:
  • Attend noon conference lectures on general pediatrics topics
  • Pediatric Infectious Diseases weekly conferences
Clinical Observation:

- Shadow pediatric infectious diseases faculty and fellows in the out-patient clinic and attend in-patient rounds

Miscellaneous:

- Assist with special projects such as quality improvement projects and general office support

Stipend: This is an unpaid internship.

To Apply: You must submit a completed application (PDF attached), a resume, a writing sample, and an unofficial transcript. The most competitive applicants will be invited to submit 2 letters of recommendation. Letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Dr. Lorry Rubin at LRubin4@Northwell.edu.

Application Process & Deadline: The submittal deadline is March 3, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in late March.

For Further Information: The research internship is coordinated by Dr. Lorry Rubin. Questions regarding the internship or its application should be directed to Dr. Rubin at LRubin4@Northwell.edu.
**Pediatric Nephrology**

**Description:** An 8-10 week program in clinical research related to pediatric nephrology in children and adolescents is offered by Cohen Children’s Medical Center of New York—part of Northwell Health (formerly North Shore-LIJ Health System).

The Summer Research Internship offers 2 accomplished students the opportunity to work closely with a faculty mentor on one or more research projects related to pediatric nephrology. Students will assist the faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. Most projects include retrospective chart reviews, but there will also be projects that will involve direct contact with patients. The student is expected to take ownership of a research project and write a manuscript by the end of the summer.

While participating in the program, interns will have the opportunity to shadow in our clinics and on rounds. Research interns will also be encouraged to attend other lectures of interest available through the Department of Pediatrics at the Children’s Hospital.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record and aspires to attend a doctoral program in medicine.

**Research Abstracts/Publications:** It is anticipated that students will be included as co-investigators on one or more research abstracts submitted to national research meetings. Students who are able to successfully write a manuscript for journal submission of their research findings will be identified as the first or second author of any paper submitted for publication. A list of research abstracts accepted for presentation at national meetings is attached.

**Summer Program Dates:** Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take one or more unpaid days off as needed during their internship.

**Other Activities/ Expectations/Opportunities:** Although the primary focus of the internship is clinical research and writing, and it is expected that this will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:
Lectures:
- Attend noon conference lectures on general pediatrics topics
- Pediatric Nephrology lectures 2-3 per week

Clinical Observation:
- Shadow pediatric nephrologists in the out-patient clinic and attend in-patient rounds

Miscellaneous:
- Assist with special projects and general office support

**Stipend:** This is an unpaid internship.

**To Apply:** You must submit a completed application (PDF attached), a resume, a writing sample, and an unofficial transcript. The most competitive applicants will be invited to submit 2 letters of recommendation. Letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Dr. Christine Sethna at CSethna@northwell.edu.

**Application Process & Deadline:** The submittal deadline is March 3, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made by late March.

**For Further Information:** The research internship is coordinated by Dr. Christine Sethna, Chief of the Division of Nephrology. Questions regarding the internship or its application should be directed to Dr. Sethna at CSethna@northwell.edu.
National Meetings: Research Abstract Acceptances

Platform Presentations:
- Blood Pressure Variability in Children with Primary vs. Secondary Hypertension. A
- Effect of Pre-Transplant Weight on Pediatric Kidney Transplant Outcomes. A

Poster Presentations:
- Pulse Wave Velocity in Pediatric Nephrotic Syndrome. B
- Concordance of LVMI with LVH on echocardiogram reports. B
- The Value of Tacrolimus Drug Levels in the Management of Nephrotic Syndrome in Children. A
- Hydronephrosis in Infants and Children: Natural History and Risk Factors for Persistence in Children Followed by a Medical Service. A
- Acute Kidney Injury in Non-Cardiac Neonates. B

Publications

A – Summer research intern as 1st author  
B – Summer research intern as co-author
Comments from Recent Summer Research Interns

"Working with the Department of Pediatric Nephrology was definitely my most rewarding summer internship. Not only did I get an immense amount of freedom and support in my clinical research, but I also had the invaluable experience of closely shadowing physicians and residents in the clinic. Both the research and shadowing were unparalleled by any past experiences. When I shadowed, everyone in the clinic welcomed my questions and pushed me to actively engage in my learning rather than passively observe. After clinic hours, I was even invited to attend lectures held for residents, by various physicians.

In research, Dr. Sethna gave me great amount of support, guidance, and responsibility. I interacted with patients to take measurements and pulled data from their medical records. At the end of the internship, I was given the chance to be the first author on a published paper. Through this experience, I gained valuable insight into data analysis and manuscript writing and editing. This internship fed my enthusiasm for medicine and taught me a great deal about clinical research as well as pediatrics at large."

J.K., University of Pennsylvania, Class 2014
Research Intern, Summer 2012

“My summer with the pediatric nephrology division at Cohen’s was probably the most influential clinical and research experience I’ve had. The role is demanding, and requires self-motivation, but the effort applied is exponentially rewarded. Just from this summer alone, I was able to work on three papers that would be accepted for either publication or presentation, including a study of my own which was accepted for a platform presentation.

In addition, shadowing Dr. Sethna on rounds and in clinic was a clinical exposure that provided both hands-on experience and new perspectives on what it’s like to be a clinician. The combination of pediatrics and nephrology presents truly fascinating cases, and the physicians try to engage the student researchers in a way that develops the thinking needed to apply the scientific content from the syllabus to real, clinical situations. Working under Dr. Sethna’s guidance was an invaluable experience that, for me, yielded academic success, strengthened my research ability, and further solidified my commitment and passion for medicine."

D.L., Brandeis University, Class of 2014
Research Intern, Summer 2013
Description: An 8-week program in clinical research related to pediatric pulmonology and Cystic Fibrosis in children and adolescents is offered by Cohen Children’s Medical Center of New York, part of Northwell Health (formerly, the North Shore-Long Island Jewish Health System).

The Summer Research Internship offers 1-2 accomplished students the opportunity to work closely with a faculty mentor on one or more research projects related to pediatric pulmonology and Cystic Fibrosis. Current projects in the division include participation in an asthma education program (Project BREATHE), database entry of severe asthmatics and technology dependent patients, and interstitial lung disease, treatment for tracheomalacia and pulmonary function in sickle cell patients. Students will assist a faculty member in an ongoing research project and/or work collaboratively with the mentor in designing a new project of mutual interest. Most projects include retrospective chart reviews or database entry, but there will also be projects that may involve direct contact with patients.

While participating in the program, interns will have the opportunity to shadow in our clinics and on rounds. Research interns will also be encouraged to attend other lectures of interest available through the Department of Pediatrics at the Children’s Hospital.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record and aspires to attend a doctoral program in medicine.

Research Abstracts/Publications: It is anticipated that students will be included as co-investigators on one or more research abstracts submitted to national research meetings based on their participation in a research project. Students who are able to successfully write a manuscript for journal submission of their research findings will be identified as the first or second author of any paper submitted for publication.

Summer Program Dates: Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take one or more unpaid days off as needed during their internship.

Other Activities/Expectations/Opportunities: Although the primary focus of the internship is clinical research and writing, and it is expected that this will comprise 70-75% of one’s time,
Interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:

► Lectures:
  • Attend noon conference lectures and grand rounds on general pediatrics topics

► Clinical Observation:
  • Shadow pediatric pulmonologists in the out-patient clinic, observe bronchoscopies and attend in-patient rounds

► Miscellaneous:
  • Assist with special projects and general office support

**Stipend:** This is an unpaid internship.

**To Apply:** You must submit a completed application (PDF attached), a résumé, a writing sample, and an unofficial transcript. The most competitive applicants will be invited to submit 2 letters of recommendation. Letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Dr. Maria Santiago at msantiag@northwell.edu

**Application Process & Deadline:** The submittal deadline is March 3, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in late March or early April.

**For Further Information:** The research internship is coordinated by Dr. Maria Santiago, Chief of the Division of Pediatric Pulmonary and Cystic Fibrosis. Questions regarding the internship or its application should be directed to Dr. Santiago at msantiag@northwell.edu
Pediatric Quality and Safety

**Description:** An 8 week program in quality and safety administration is offered by Cohen Children’s Medical Center of New York – part of Northwell Health.

The Summer Research Internship offers 1 accomplished student the opportunity to work closely with a team of quality and safety professionals on conducting one or more quality improvement projects within a busy, tertiary care pediatric hospital. Quality improvement has quickly become an important skill to learn and is part of all undergraduate and graduate medical programs. Current projects include analysis of adverse events and relationship with hospital operations, improvement of handoff throughout the hospital, increased adherence to clinical guidelines. Most projects use the model for improvement and are tailored to small, rapid cycles of change, making them amenable to a discrete time period. Most projects will involve hands-on data collection and analysis. Interns are not required to have any prior exposure to quality improvement, as this will be part of the curriculum for this internship. Interns with a variety of backgrounds are welcome, including engineering, and business, as many of the tools are transferrable to the healthcare environment. Ease with use of databases, and willingness to learn quality improvement data analysis is a requirement.

While participating in the program, interns will have the opportunity to shadow the quality team as they attend meetings and conduct projects. These projects encompass the whole spectrum of pediatric services. There is also the option for interns to attend senior leadership meetings.

The internship is open to students who have completed at least one year of study from any U.S. college or university. The ideal candidate is a student with a strong academic record and aspires to attend a doctoral program in medicine, and possibly pursue a career in business administration.

**Research Abstracts/Publications:** It is anticipated that students will be included as co-investigators on one or more research abstracts submitted to national research meetings based on their participation in a research project. Students who are able to successfully write a manuscript for journal submission of their research findings will be identified as the first or second author of any paper submitted for publication.

**Summer Program Dates:** Start and completion dates for the summer internship are somewhat flexible. Although priority will be given to applicants prepared to make at least a full-time 6-8 week commitment or longer, other time schedule arrangements will be considered. With advance notice, research interns may take one or more unpaid days off as needed during their internship.
Other Activities/ Expectations/Opportunities: Although the primary focus of the internship is quality improvement, and it is expected that this will comprise 70-75% of one’s time, interns often welcome the opportunity to engage in other academic or clinical activities. A breakdown of these educational, clinical, and administrative support functions follows:

► Lectures:
  • Attend learning sessions conducted by the quality team.
  • Take online modules to introduce the basics of quality improvement.

► Observation:
  • Shadow quality improvement specialists as they conduct projects and do safety reviews.

Stipend: This is an unpaid internship.

To Apply: You must submit a completed application (PDF attached), a résumé, an unofficial transcript, and a writing sample such as a term paper. The most competitive applicants will be invited to submit 2 letters of recommendation. Letters of recommendation should be sent directly from the individual writing the letter, not from you. Letters of recommendation should focus on your academic scholarship; for this reason, letters from friends, family members, coaches, or former employers are not appropriate. All materials should be sent electronically using the subject line "Summer Research Internship Application" to Ms. Francesca Musca, fmusca@northwell.edu.

Application Process & Deadline: The submission deadline is March 3, 2017; all materials must be received by that date. It is anticipated that notification of decisions will be made in late March.

For Further Information: The research internship is coordinated by Dr. Anu Subramony, Chief Quality Officer, Cohen Children’s Medical Center. Questions regarding the internship or its application should be directed to Dr. Anu Subramony, ASubramony@northwell.edu