



Cohen Children's Medical Center
Northwell HealthSM

Research Internship Program

Summer, 2022

Cohen Children's Medical Center
New Hyde Park, New York



DONALD AND BARBARA
ZUCKER SCHOOL *of* MEDICINE
AT HOFSTRA/NORTHWELL



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 a not-for-profit healthcare network that includes 22 hospitals, the Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, the Feinstein Institute for Medical Research, as well as rehabilitation and skilled nursing facilities, a home care network, a hospice network and progressive care centers offering a range of outpatient services. Northwell Health has more than 12,000 member physicians, and Northwell Health's Physician Partners employs more than 3,100 physicians and is comprised of more than 550 regional ambulatory locations and physician practices.

Research Internships – Summer, 2022

Pediatric Sub-specialty Area	# of Positions	Time Commitment	Application Deadline	Page Number
Hospital Medicine	5 - 6	6 - 8 weeks	2/28/22	4
	Application: https://forms.gle/6F2KiiH5FT6fAnpo8 (If the link does not open, see note below)			
Infectious Disease	1	8 - 10 weeks	2/28/22	6
	Application: https://forms.gle/wpJd3HPPeA5CKjFT9 (If the link does not open, see note below)			
Nephrology	2 - 3	8 - 10 weeks	2/28/22	8
	Application: https://forms.gle/x2M59fziaDpu2McFA (If the link does not open, see note below)			
Pulmonology & Cystic Fibrosis	1 - 2	8 weeks	2/28/22	13
	Application: https://forms.gle/GZZMYg6NwBN6gvJJ9 (If the link does not open, see note below)			
Allergy & Immunology	1	8 - 10 weeks	2/28/22	16
	Application: https://forms.gle/hrMLUx5rPX19xuUi8 (If the link does not open, see note below)			
Emergency Medicine	1 - 2	6 - 8 weeks	2/28/22	18
	Application: https://forms.gle/P5XKPhgmaVwpuSC19 (If the link does not open, see note below)			

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Summer Clinical Research Internship in Pediatric Hospital Medicine

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.

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 through the form linked here (<https://forms.gle/6F2KiiH5FT6fAnpo8>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. 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. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submission deadline is Monday, February 28, 2022 at 12 Noon (EST); 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.

Summer Clinical Research Internship in 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 and located in New Hyde Park, NY.

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 (as COVID-19 protocols allow). 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 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. 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 through the form linked here (<https://forms.gle/wpJd3HPPeA5CKjFT9>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. 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. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submittal deadline is Monday, February 28, 2022 at 12 Noon (EST); all materials must be received by that date/time. It is anticipated that notification of decisions will be made by the end of March.

For Further Information: The research internship is coordinated by Mayur Mehta. Questions regarding the internship or its application should be directed to Mr. Mehta at mmehta7@northwell.edu.

Summer Clinical Research Internship in 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.

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 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 Division 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.

Gap Year Opportunity: The pediatric nephrology program also accepts gap year candidates for a full year experience. This program is flexible in the amount of hours per week but at minimum we ask for at least two full business days per week commitment. Gap year positions are unpaid.

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 through the form linked here (<https://forms.gle/x2M59fziaDpu2McFA>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submittal deadline is Monday, February 28, 2022 at 12 Noon (EST); 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 Mairead Pfaff (mpfaff@northwell.edu). Questions regarding the internship or its application should be directed to Dr. Sethna (csethna@northwell.edu).

Publications

- Restoration of nocturnal blood pressure dip and reduction of nocturnal blood pressure with evening anti-hypertensive medication administration in pediatric kidney transplant recipients: A pilot randomized clinical trial. *Pediatr Transplant.* 2020 Dec;24(8):e13854. doi: 10.1111/petr.13854. Epub 2020 Oct 7. PMID: 33026142.^B
- Isolated nocturnal hypertension in pediatric kidney transplant recipients. *Pediatr Transplant.* 2021;00:e14192. doi:10.1111/petr.14192^B
- Treatment Updates in Alport Syndrome, *Kidney News*, 2021. 13(4), 25-27. https://www.kidneynews.org/view/journals/kidney-news/13/4/article-p25_8.xml^A

- Hydronephrosis in Infants and Children: Natural History and Risk Factors for Persistence in Children Followed by a Medical Service. *Clinical Medicine:Pediatrics* 2009;1 63-70 ^A
- The Value Of Tacrolimus Drug Levels In The Management Of Nephrotic Syndrome In Children *The Internet Journal of Nephrology* ISSN: 1540-2665
<http://www.ispub.com/journal/the-internet-journal-of-nephrology/volume-6-issue-2/1386557986the-value-of-tacrolimus-drug-levels-in-the-management-of-nephrotic-syndrome-in-children.html>.^A
- Concordance of Measures of Left-Ventricular Hypertrophy in Pediatric Hypertension. *Pediatr Cardiol.* 2013 Nov 20. ^B
- Second-line Immunosuppression Therapy in the Treatment of Childhood Nephrotic Syndrome: A Single Center Experience. *Nephron Extra*, January 2014. ^A
- Prevalence of Hypertension in a Haitian Bataye. *Science Journal of Public Health.* 2014; 2(5): 480-485 doi: 10.11648/j.sjph.20140205.26. ^A
- Blood Pressure Variability in Children with Primary vs. Secondary Hypertension. *J Clin Hypertens.* 2014 Jun;16(6):437-41. ^A
- High Prevalence of Nephrotic Syndrome in South Asian Children. *Journal of Clinical Pediatric Nephrology.* 2015 Vol 1(1). ^A
- Role of Race in Kidney Transplant Outcomes in Children with FSGS. *Pediatric Transplantation.* 2016 Sep;20(6):790-7. ^A
- Blood Pressure and Urolithiasis in Children. *Journal of Urology.* 2016 Sep 18. pii: S1477-5131^A
- Renal Volume and Ambulatory Blood Pressure in Children. *Journal of Clinical Hypertension.* 2017 May;19(5):498-503
- Effect of Pre-Transplant Obesity, Overweight and Underweight on Pediatric Kidney Transplant Outcomes. *Pediatric Nephrology,* 2018 Dec;33(12):2353-2362
- Left Ventricular Cardiac Geometry and Ambulatory Blood Pressure in Children. *Journal of Clinical Hypertension.* 2019 May;21(5):566-571.
- Heterogeneity Index and Echogenicity in Hypertension. *Journal of the American Society of Hypertension,* 2018 Dec: 12(12) e77-e83

A – Summer research intern as 1st author

B – Summer research intern as co-author

Comments from Summer Research Interns

“During my internship at the Pediatric Nephrology department, I learned a great deal about the kidney and how clinical research operates. I worked on a few research projects throughout the summer year, and I am now in the process of writing and submitting three papers for publication.

The department was very welcoming, and I am grateful that I was able to attend meetings and learn from so many people. In addition, I really appreciated the opportunity to shadow on rounds and in the clinic where I met many cute patients and learned about their fascinating medical cases. One specific highlight was that I was able to observe two kidney transplant surgeries!”

B.S., University of Chicago, Class 2022
Research Intern, Summer 2021

“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

“As an intern for Pediatric Nephrology, I was able to experience the medical field through a scientific research lens. I interacted with patients, and took initiative in maintaining ongoing studies within nephrology. I was able to shadow the doctors, and learn proper techniques of clinical practice. The most rewarding part of the internship was getting to know patients first hand, and becoming a part of their health journey.

Dr. Sethna is an extremely hands on and dedicated physician that truly pushes interns to achieve the best they can. Personally, she has taught me what it means to be a physician, and the sacrifices that come with the profession. Under her guidance, I gained skills and knowledge beyond those that I have acquired in any classroom. Working as an intern in Pediatric Nephrology was an incredibly educating and humbling experience; it allowed me to complete my Undergraduate studies, and gave me a platform to begin a career in the medical field.”

O.B., Hofstra University, Class of 2020
Research Intern, 2019-2020

“Working with the Pediatric Nephrology Department, both over the summer and during my gap year, has afforded me the invaluable opportunity to hone my research skills. By contributing to a multitude of studies, I was able to expand the breadth of my experience to take with me to medical school this fall. I was given the demanding role to take the lead on clinical trials, which provided me with crucial hands-on practice working with patients and their families, taking vital signs, and managing treatment plans under the direct supervision of Dr. Sethna.

My passion for pediatrics and my confidence to pursue research was most definitely strengthened and solidified by this experience. Personally, Dr. Sethna became an instrumental source of guidance throughout my journey as a pre-medical student, and she will continue to be a role model to me.”

L.G., Cornell University, Class of 2019
Research Intern, Gap Year 2019-2020

Summer Clinical Research Internship in Pediatric Pulmonology and Cystic Fibrosis

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.

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 technology dependent patients, CF-related diabetes mellitus, vaccine hesitancy in technology dependent patients and quality of life/asthma control post-COVID infection. 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 Division 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 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

Testimonials from former interns:

"The summer I spent as a research intern with the Pediatric Pulmonology division at Cohen Children's Medical Center was truly formative for my career. Dr. Santiago and the rest of the doctors and staff I spent time with were kind, welcoming and so generous with their time. I realized that I loved the energy in the hospital, Dr. Santiago was so flexible and found ways for me to spend more time there. I know that when I apply for another clinical research position next summer, I will be an attractive candidate because I have written a research paper, interviewed patients, have experience with software that many researchers use, have applied for IRB approval, and have Dr. Santiago as a reference. Beyond that, shadowing Dr. Santiago and Hofstra residents on their rounds and in the OR assured me that I wanted to be a physician. I got a chance to see what lay ahead of me in my career and I am so thankful to everyone at Cohen Children's for that."

-- Elana Sanford

"The Summer Research Internship at Cohen Children's Medical Center is an outstanding experience. Dr. Santiago and her team are extremely friendly, enthusiastic and passionate about their field. Not only was I able to broaden my knowledge of clinical research, but I also had a unique glimpse into both inpatient and outpatient medicine. I had the opportunity to shadow various physicians, observe many procedures and see numerous patients with diverse medical histories... I was able to work on our research study through its many stages – from the original hypothesis, to data collection/analysis and, ultimately, to abstract completion and submission to the Pediatric Academic Society Meeting. Dr. Santiago is incredibly supportive, extremely knowledgeable about her field and a phenomenal mentor. The experience I had was unparalleled



and I gained skills that I will undoubtedly utilize in my future career. I am honored to have had such a rewarding opportunity and I would highly recommend this internship.”

-- Roxana Mehran

Abstracts presented at local and national meetings:

Feld L, Santiago MT, Fiorino EK, Aygun B, Appiah-Kubi A, Mitchell E, Jackson S, Mehran, R. NT-proBNP Levels and Pulmonary Vascular Dysfunction in Sickle Cell disease. Presented at PAS 2019 and Division of Pediatrics Resident-Fellow Research Day.

Stipend: This is an unpaid internship.

To Apply: You must submit a completed application through the form linked here (<https://forms.gle/GZZMYg6NwBN6gvJJ9>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. The most competitive applicants will be invited to submit 1- 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. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submittal deadline is Monday, February 28, 2022 at 12 Noon (EST). All materials must be received by that date. It is anticipated that notification of decisions will be made in late 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

Summer Clinical Research Internship in 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.

The Summer Research Internship offers 1 accomplished student the opportunity to work closely with a faculty mentor on one or more ongoing research projects related to allergy or immunodeficiency. 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 implementing a research project.

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 will also be identified as a co-author in any manuscript submitted for publication on projects that they have contributed significant time, effort, and data.

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 through the form linked here (<https://forms.gle/hrMLUx5rPX19xuUi8>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. 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. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submittal deadline is Monday, February 28, 2022; 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. Artemio Jongco. Questions regarding the internship or its application should be directed to Dr. Jongco at AJongco@Northwell.edu.



Summer Clinical Research Internship in Pediatric Emergency Medicine

Description: A 6-8 week program in clinical research related to pediatric emergency medicine is offered by Cohen Children's Medical Center (CCMC) of New York.

The Pediatric Emergency Department at CCMC sees approximately 55,000 - 60,000 patients a year and is the busiest transfer and trauma center in NYS.

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 Emergency Medicine. Current projects in the division include research on various forms of simulation education and their effectiveness on the acquired medical knowledge of residents, the use of teaching flash cards on the effectiveness of education of residents, and assessing the potential for using a portable head MRI for patients with neurosurgical issues, to name just a few. We have on-going quality improvement-based research that evaluates the care we provide in the emergency department on our patients with sickle cell disease, cancer, asthma, and fracture. 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 in the emergency department. They will have the opportunity to observe high and low acuity patients being taken care of in the busiest pediatric trauma center in all of NYS in addition to participate in daily educational sessions.

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:

- Participate in the pediatric emergency medicine's education sessions, which occur weekly, as well as attend noon conference lectures and grand rounds on general pediatrics topics

▶ Clinical Observation:

- Shadow medical team in the pediatric emergency department

Stipend: This is an unpaid internship.

To Apply: You must submit a completed application through the form linked here (<https://forms.gle/P5XKPhgmaVwpuSC19>); this application (a Google form) will also ask you to attach a CV or résumé, an unofficial transcript, and a recent photograph. 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. (If you receive an error message regarding data loss prevention on the Google Form, please try accessing it through a non-school Gmail. If you encounter further problems, please email alin15@northwell.edu to troubleshoot.)

Application Process & Deadline: The submission deadline is Monday, February 28, 2022 at 12 Noon (EST); 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. Joshua Rocker, Chief of the Division of Pediatric Emergency Medicine. Questions regarding the internship or the application process should be directed to Dr. Joshua Rocker, jrocker@northwell.edu.