Gain priceless research experience under the guidance of world-renowned experts in reproductive medicine, male fertility, and women’s health at the Cleveland Clinic.

The American Center for Reproductive Medicine

The American Center for Reproductive Medicine (ACRM) is a part of the Glickman Urological and Kidney Institute of the Cleveland Clinic. The Department of Urology is ranked as the No. 2 Urology program in the nation by U.S. News & World Report. The American Center for Reproductive Medicine enjoys an international reputation for excellence and innovation in human infertility research and is dedicated to disseminating its results. Research papers from the Center staff are selected regularly for publication in distinguished medical journals. The Center’s website has been ranked No. 1 for research in reproductive medicine and andrology since 2001 by all top five international search engines, including Google, Bing, Yahoo! and Ask.com. It has attracted over 930,000 visitors from all over the world.

More than 515 physicians and scientists from more than 50 countries have received their training at the American Center for Reproductive Medicine during the past 22 years. Nearly 140 students in majors ranging from biology to English to the musical arts have participated in summer internships at our Center.

To learn more about our Summer Internship Course, including program faculty, internship syllabus daily schedule, complete project listing, internship awards, pictures of interns’ presentations, reception banquet, multimedia feedback, and accommodation options, please visit our 2015 Summer Mentorship webpage.
The Research is the Difference

The Summer Internship in the American Center for Reproductive Medicine delivers a unique, intensive bench research experience that will give you a lifelong foundation of skills — and look great on your resume! As a Summer Intern, you will select a research project to work on from a list of several bench experiments in reproductive biology. Sample projects from the 2015 Summer Mentorship program include:

- In Vitro Protective Effects of Ascorbate On Heat-Induced Generation of Reactive Oxygen Species on Sperm Functions
- Reactive Oxygen Species-Induced Post Translational Modifications in Spermatozoa Proteins and Its Effects on Sperm Function
- The Use of Human Sperm As a Bio-Assay for Evaluating Personal Care Products
- The Impact of Methylphenidate Hydrochloride, the Active Ingredient of Ritalin®, On Sperm Viability, Motility, and Oxidative Stress - An In Vitro Study
- Validating Oxidation-Reduction Potential in Fresh and Frozen Semen Samples With the RedoxSYS® Diagnostic System

To view the Internship Manual each intern receives during orientation, click here. The manual contains a thorough description of all planned bench projects available for selection. As an Intern, you will work on a research project alongside a team of other Summer Interns under the direction of a reproductive biologist. At the end of the program, you will prepare and deliver a presentation about your research project to your fellow interns and medical staff.

Never worked in a scientific research laboratory before? Our staff will teach you everything you need to know to have a successful research experience, from sample preparation to data recording. This invaluable experience will give you a competitive edge whether you are planning to apply to medical school, pursue a career in research, or just want to excel in your college science labs.

Learn How to Write It Right

Being able to write a sound scientific paper is a specialized skill that can help you succeed in your future endeavors. As part of your Summer Intern experience, you will select a subject to write about from a list of about two dozen exciting topics. In the past Mentorship programs, Interns have had the opportunity to write on topics such as:

- Post Translational Modification of the Sperm Cell Proteome
- ROS-Causing Protein Modifications in Spermatozoa and Seminal Fluid
- DNA Repair Defects and Male Infertility
- Predictive Role of Proteomic Profiles in Assisted Reproductive
- Male Reproductive Cancers and Infertility: A Mutual Relationship

You will learn the tools and techniques of scientific writing from a Cleveland Clinic expert, then apply what you’ve learned to create a research article or book chapter. With the assistance of your staff Mentor, you will go through all the steps of preparing an article or chapter for submission to a prestigious medical journal or book. When your manuscript is ready, you will actually participate in the submission process — and your name will appear as a co-author on the finished manuscript!

To view research publications from past interns, please visit our publications page and on Research Gate.

APPLY NOW!

- A limited number of internship positions are available.
- A total of 31 interns were selected from a pool of 400 applicants for the 2015 Summer Mentorship.
- Only the most qualified applicants will be considered. International candidates are welcome to apply.
- Application deadline: March 1, 2016
- For more information on applying for the 2016 Summer Mentorship, please click here.

About Cleveland Clinic

Cleveland Clinic is ranked as one of America’s Top 4 Hospitals by U.S. News & World Report. Located in Cleveland, Ohio, Cleveland Clinic is a non-profit, multispecialty academic medical center that integrates clinical and hospital care with research and education. Founded in 1921 by four renowned physicians with a vision of providing outstanding patient care based upon the principles of cooperation, compassion and innovation, it is the second largest group practice in the world with 3,200 physicians and scientists practicing and researching in more than 130 medical specialties and more than 1,450 beds. In addition to the main hospital located near Cleveland’s historic University Circle, the Cleveland Clinic operates nine regional hospitals, a children’s hospital, and 17 family health centers in Ohio, as well as hospitals in Florida, Las Vegas, Canada, and Abu Dhabi, employing more than 43,000 individuals and providing global worldclass medical care. Last year alone, 5.5 million patients from over 130 countries and all 50 states received their care at Cleveland Clinic. The main hospital campus, located near downtown Cleveland, occupies 180 acres and 50 buildings. It includes a hospital, an outpatient clinic, a children’s hospital, cancer institute, eye institute, research institute, a medical school, and supporting labs and facilities.

To learn more, visit www.clevelandclinic.org

RECENT PUBLICATIONS ON PAST INTERNSHIP OUTCOMES

1. “Insights into an Award Winning Summer Mentorship Program: the First Six Years” (Accepted in The World Journal of Men’s Health, October 2015)
2. “Cleveland Clinic’s Summer Research Program in Reproductive Medicine: An Inside Look at the Class of 2014” (Duraiappasamy, D. et al. Medical Education Online, [S.I.], v. 20. Nov. 2015. ISSN 1087-2981.)

http://med-ed-online.net/index.php/meo/article/view/25917
While at Cleveland Clinic I had the opportunity to work on a review paper about research in adolescent PCOS, research on current trends in blastocyst stratification and blastocyst biopsy and work on a lab experiment involving sperm and glutathione. The schedule provided an excellent balance of lectures and work time. I highly recommend this internship to other students looking for this type of experience.

Dinah Chen, Princeton University | 2008 Best Intern Award, 1st Place

"The program included an impressive amount of opportunities, including writing research paper(s), attending more than 100 lectures, lab tours and demonstrations, shadowing physicians and scientists, and observing bench research. Most importantly, the program provided me the opportunity to write a review article and have it published in a prominent journal.

The support and encouragement from everyone was beyond my expectations. The research experience has me considering the possibility of future research in clinical medicine and becoming a writer, something I never considered because I did not believe I had the necessary skills."

Kim Ly, University of North Texas | 2009 Best Intern Award, 1st Place

"Cleveland Clinic’s Center for Reproductive Medicine Research Summer Internship was an insightful and invaluable experience. I enjoyed learning from world-renowned scientists, researchers and physicians, and I appreciated their dedicated, helpful and caring attitude towards each student. This one-on-one aspect defined the outstanding nature of this experience. The program dramatically helped increase my knowledge in regards to fertility, reproduction, urology and medical research, heightening my interest in these fields. From working closely with the staff to the exceptional research opportunities, it was an amazing learning experience. The staff and prestigious name of the Cleveland Clinic make it an invaluable opportunity.

"My biggest fear prior to the Internship was that I was somehow inadequate. My worries melted away when I arrived because this program allows for everyone to be on the same page. The Internship tested our intelligence and dedication. We were guided in learning cutting edge research and the complexities of scientific writing. I am very appreciative to all of our phenomenal Mentors, who painstakingly listened to every question and went above and beyond to help us in our times of need. Overall, I believe that this program has given all of us an opportunity to grow. As a result, we have met new people, had new experiences, and incorporated our newfound wisdom into our lives and hopefully made ourselves better people. The combination of things I learned at the program truly makes it a unique program. It is multi-faceted and thus a valuable asset to any career path."

Julia Tsinberg, University of Michigan, Ann Arbor, MI | 2014 Outstanding Work Ethic Award

"The Summer Internship program was extremely challenging, but I loved every minute of it. Due to the efficiency of the program and the amazing mentors, I can now say I am fully capable of writing a scientific project and working on a bench project. Working with people from all over the world made me more open minded and I was able to understand other cultures in ways that I could never imagine. Overall, the Summer Internship was the best experience of my life."

Carolina Martines, University of Sao Paulo, Brazil | 2015 Best Presentation, Honorable Mention, and Best Intern, 3rd Place

"The program taught me a lot of things that I wasn’t aware of such as time management, presentation skills, the importance of learning how to search and write a scientific paper, and more. Most importantly, this program made me stronger, more professional, and a better leader."

Ali AlGammaz, Sattam bin Abdulaziz University, Saudi Arabia | 2015 Best Intern Award, 1st Place

"My experience with the Center for Reproductive Medicine Summer Internship Course was truly invaluable. With a plethora of mentors, medical experts, and other talented and brilliant students at my fingertips, I had an impressive arsenal of resources to conduct both laboratory and literature research. Not only did the extensive exposure to these research opportunities prepare me for a potential career in medicine, but they also strengthened my collaboration, communication, and dedication skills – assets that are pertinent for any future career. I highly recommend this program, and this is truly a once-in-a-lifetime opportunity that you don’t want to pass up!"

Ethan Vargo, Miami University, OH | 2012 Best Presentation Award, 1st Place

"The program included an impressive amount of opportunities, including writing research paper(s), attending more than 100 lectures, lab tours and demonstrations, shadowing physicians and scientists, and observing bench research. Most importantly, the program provided me the opportunity to write a review article and have it published in a prominent journal.

The support and encouragement from everyone was beyond my expectations. The research experience has me considering the possibility of future research in clinical medicine and becoming a writer, something I never considered because I did not believe I had the necessary skills."

Jow Fung, Binghamton University | 2009 Best Intern Award, 1st Place

"The Center for Reproductive Medicine program was an insightful and invaluable experience. I enjoyed learning from world-renowned scientists, researchers and physicians, and I appreciated their dedicated, helpful and caring attitude towards each student. This one-on-one aspect defined the outstanding nature of this experience. The program dramatically helped increase my knowledge in regards to fertility, reproduction, urology and medical research, heightening my interest in these fields. From working closely with the staff to the exceptional research opportunities, it was an amazing learning experience. The staff and prestigious name of the Cleveland Clinic make it an invaluable opportunity that should be experienced by any aspiring medical professional."

Brandon JD Rein, Ohio University College of Osteopathic Medicine | 2009 Best Presentation Award, 1st Place
The spermatozoa and oocyte represent the personalized, hands-on ART training course offered annually since 2003. Candidates from more than 41 countries have participated in this course.

The open book and beaker represent the Summer Internship program, offered annually since 2008. Nearly 170 interns have experienced bench research and scientific writing under the personalized mentorship of scientists/physicians and reproductive biologists worldwide.

The DNA strand represents the essence of the research fellowship in human reproduction, andrology and male infertility, offered at the ACRM since 1993. More than 500 scientists/physicians from over 50 countries have trained at the ACRM. The Center is currently focusing on the use of proteomics and bioinformatics to elucidate biomarkers of male infertility.

The microscope and a hand holding the test tube represent the routine and advanced diagnostic testing offered to infertility patients at the Andrology Center and Reproductive Tissue Bank, one of the largest state-of-the-art facilities in the country. Our staff has more than 3 decades of experience in assisting patients with male infertility.

Founded in 1993, the ACRM offers research fellowships, hands-on training in human assisted reproduction, and summer mentorship opportunities. We also offer diagnostic services for male infertility and cancer patients. In the past 22 years, more than 1,000 scientists, physicians, researchers, reproductive medicine professionals and students from all over the world have trained at our Center.
Cleveland Clinic’s Glickman Urological and Kidney Institute is recognized worldwide for excellence in patient care, teaching and research. It merges Cleveland Clinic’s urology and nephrology programs. Urology and nephrology physicians and scientists at Cleveland Clinic are recognized worldwide for excellence in patient care, teaching and research. This year, U.S. News & World Report ranked our urology program No. 2 and our kidney disease program No. 2 in the nation.

Please visit us at: clevelandclinic.org/services/urology-kidney/about-urology-nephrology

About Cleveland Clinic

Ninety-two years ago, four physicians founded a new medical center in Cleveland. It was a nonprofit group practice where doctors from many specialties could collaborate for efficiency and better patient care. Their mission was “to care for the sick, investigate their problems and educate those who serve.” Located in Cleveland, Ohio, Cleveland Clinic is a nonprofit, multispecialty academic medical center that integrates clinical and hospital care with research and education. Today, with more than 1,400 beds on Cleveland Clinic main campus and 4,450 beds system-wide, Cleveland Clinic is one of the largest and most respected hospitals in the country.

Today, Cleveland Clinic is a main campus, eight community hospitals and more than 75 outpatient locations (including 16 family health centers) in northern Ohio, and facilities in Florida, Nevada, Toronto and Abu Dhabi. Our locations are linked by health information technology and critical care transport, getting patients to the right facility, at the right time, for the right care. Cleveland Clinic is organized into patient-centered institutes based on single diseases or organ systems. Each institute combines medical and surgical services at the same location under the same leadership to improve patient care and experience. Each institute is required to establish benchmarks and measure and improve quality. Institutes are also required to publish annual outcomes books showing volumes, results, innovations, publications and other information relevant to patients and referring physicians. Cleveland Clinic integrates its far-flung system with an extensive electronic medical records system. This system includes participating community physicians and patients, who are able to access test results and portions of their medical record remotely via the Internet. Cleveland Clinic’s model of medicine has made it possible for us to achieve cost savings on a vast scale over the past several years. Our mantra is “Patients First.” Our motto is “To Act as a Unit.” Our goal is to give every patient the best outcome and experience. That’s the Cleveland Clinic way.

Visit: clevelandclinic.org