



## Training Physician Investigators of Tomorrow

*A program of*



SCHOOL OF MEDICINE  
**CASE WESTERN RESERVE**  
UNIVERSITY

Dear Applicants,

WELCOME to the Cleveland Clinic Lerner College of Medicine! We are honored to have you here today to visit our program. The students, faculty, and staff are all grateful that you accepted our invitation to interview with us. Our program within the larger Case Western Reserve University is a caring, supportive community where we all learn from each other. We hope you will get to know us and want you to feel comfortable in asking us anything about the College Program you would like to know.

The Cleveland Clinic believes the College Program is its legacy. Our graduates will provide the physician investigator leadership our nation and the world needs in the years to come. As students, they have learned to write successful grants, presented at many national medical surgical meetings, and produced countless articles. Each day they learn, teach, and provide compassionate care for others. We are known for excellence in communication, humanities and patient experience and are proud to work as a team with other caregivers. We hope you share our values and will want to join us.

Most sincerely,



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## About the Cleveland Clinic

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In 2002, the Cleveland Clinic Lerner College of Medicine was established with a \$100 million gift from Al and Norma Lerner. The Lerner College is a partnership between Cleveland Clinic and Case Western Reserve University, offering an innovative medical school program with a mission to train physician investigators. The first class of students was enrolled in 2004. The mission of the CCLCM is “to educate a limited number of highly qualified persons who seek to become physician investigators and scientists committed to the advancement of biomedical research and clinical practice.” Our goal for students is to foster a passion for scientific inquiry and skills for critical thinking coupled with broad-based clinical expertise that will optimally position the MD graduate to pursue a career as a physician investigator. Every aspect of Lerner College is focused on training physician investigators, from admissions criteria and supportive financial aid, to curriculum design and student assessment. Students develop the skills of self-directed learning critical for success as both a physician and an investigator. In 2008, Cleveland Clinic demonstrated further commitment to this concept by granting full academic scholarships to cover the cost of tuition for all Lerner College students.

## Cleveland Clinic Lerner College of Medicine Highlights

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- Small class size of 32
- Full tuition scholarship
- Non-competitive learning environment, no grades, no class ranking
- Student-centered learning experience
- 5 year course of study with adequate time for a substantive research project
- Last 3 years of study customized to match your research interests, clinical skills and interest, and professional goals
- A physician advisor and a research advisor to guide your successful progress
- A basic science curriculum that is organ system based and linked to relevant clinical experiences
- Clinical experiences beginning in Year 1 and integrated throughout the curriculum to ensure you will enter a residency with excellent clinical skills
- A graduate education in medicine with problem-based learning (PBL) sessions, interactive seminars and laboratories aimed at developing in-depth problem solving skills
- Broad opportunities for basic/translational and clinical research
- Patient volume and diversity that provide outstanding clinical training
- Close interaction with clinical and research faculty
- State-of-the-art educational, clinical, and research resources

# The Vision of Cleveland Clinic

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## Mission

To provide better care of the sick, investigation in their problems and further education of those who serve.

## Vision

Our vision for Cleveland Clinic is to be the best place for care anywhere and the best place to work in healthcare.

## Care Priorities

**Patients.** *Care for the patient as if they are your own family.*

Cleveland Clinic is here for one reason: to take care of patients. We are known for exceptional care delivered by multidisciplinary teams. We challenge ourselves to get better each year. Our goals are to touch more lives, relieve suffering and provide every patient the best care and experience.

**Caregivers.** *Treat fellow caregivers as if they were your own family.*

There are nearly 60,000 Cleveland Clinic caregivers around the world. We are the largest employer in Northeast Ohio and the second largest in the state. We promote teamwork, inclusion and integrity. We strive to make Cleveland Clinic the best place to work and grow.

**Community.** *We are committed to the communities we serve.*

Cleveland Clinic's community benefit goes beyond healthcare services. As an anchor institution, we promote the physical and economic health of our neighborhoods. We are building a future for health education and workforce development that will enhance the region for generations.

**Organization.** *Treat the organization as your home.*

Cleveland Clinic is a nonprofit organization. All revenues beyond expenses are reinvested in our mission. We care for the organization as if it were our home, by securing its financial health, using resources mindfully and bringing our services to as many people as need our care.

## Values

**Quality & Safety** - We ensure the highest standards and excellent outcomes through effective interactions, decision-making, and actions.



**Integrity** - We adhere to high moral principles and professional standards by a commitment to honesty, confidentiality, trust, respect, and transparency.

**Empathy** - We imagine what another person is going through, work to alleviate suffering, and create joy whenever possible.

**Teamwork** - We work together to ensure the best possible care, safety, and well-being of our patients and fellow caregivers.

**Inclusion** - We intentionally create an environment of compassionate belonging where all are valued and respected.

**Innovation** - We drive small and large changes to transform healthcare everywhere.



# A New Perspective

**A state-of-the-art building with state-of-the-*future* technology.**

Preparing students to lead in a new era of health care requires providing them the knowledge and skills to thrive in these fast-changing fields.

Just as studying with medical, dental and nursing students helps ready them for team-based care, working with the latest digital tools accelerates learning and offers experience in adapting to pioneering approaches.

**See some of the ways Case Western Reserve University and Cleveland Clinic are reimagining health education.**



## Virtual-Reality Anatomy Curriculum

Developed in partnership with Zygo Medical Education, this approach to anatomy brings the virtual patient and the clinical environment into the classroom. Students will learn the anatomic regions of the human body in a realistic and translatable manner, through self-guided or instructor-led sessions, either in individual or group settings. With remote support, students can connect in a virtual anatomy lab with peers around the world.

## HoloAnatomy

Using Microsoft HoloLens, a mixed-reality device, medical students will learn much of their human anatomy knowledge virtually. The headset and CWRU-developed curriculum, HoloAnatomy, allow users to view a detailed 3D hologram of the human body, look inside organs from any angle, and even see how different diseases or injuries affect parts of the body.



### Sectra Table

This large touch-screen technology enhances anatomy teaching through interactive 3D views of anatomical structures. It enables groups to learn anatomy and explore clinical cases by allowing multiple users to interact with the virtual body in 3D—simply by touching the screen. Users can visualize skeletal tissue, muscles, organs and soft tissue by virtually slicing, segmenting or peeling off layers of tissue to gain a deeper understanding of the anatomy, functions and processes inside the body.

### Avocor Touch Screen

Large-format LCD panels in the classrooms combine display technology with touchscreen capability to enhance teaching and learning. The interactive technology displays medical images in incredible detail for students, and fosters a collaborative learning environment through the ability to annotate images directly on the screen. The panels enable videoconferencing and wireless connection from laptops directly to the screen.

### Simulation Centers

Across 20 exam rooms and four acute care spaces in the Medical Simulation Center, cameras and microphones record students as they participate in examination and treatment exercises. The nursing school also has a Physician Assessment Teaching Lab and a Clinical Teaching Bed Lab, the latter of which also features recording technology for review.

**26** classrooms, all filled with the latest technology

**40 feet** the height of the lecture hall's LED video wall

**20** exam rooms, featuring cameras and microphones for training, in the Medical Simulation Center

**56** small group rooms, each with a 7-foot touch-enabled display



Meanwhile, the Learning Lab is outfitted with state-of-the-art technology for faculty to train on the technology to ensure they provide students with the highest quality education available.

### Flight Nursing Simulator

The Frances Payne Bolton School of Nursing's flight simulator combines a fuselage that pitches and rolls with video "windows" whose images mimic different airborne views. A nearby ambulance can be used to replicate real-world patient transfer experiences for the students. And all of the activity can be recorded to the simulation system by cameras and microphones in the new Critical Care Transport Room.

### U/S Mentor Training Simulator

The U/S Mentor is a medical simulator for ultrasound-related examination and intervention training. The technology combines 3D virtual cases and clinical scenarios featuring reconstructed ultrasound scans of true-to-life anatomy for realistic, hands-on training. Plus, students can acquire and improve sonography-related skills on a variety of virtual patients.



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**Cleveland Clinic**

# Program in Anatomy and Embryology

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The Program in Anatomy and Embryology at CCLCM is unique in its approach and innovative in its design providing students with a solid foundation on which to build their medical knowledge. Our approach is referred to as Case-Directed Anatomy and uses clinical cases to introduce anatomical concepts and facts that are reinforced with cadaveric dissections and relevant imaging.

The first step in this educational program involves the students previewing a clinical case posted on the medical school web site. Each case has specific learning objectives and clinical questions to focus student learning on the anatomy relevant to the case. The second step involves students using textbooks and self-directed learning modules to efficiently acquire basic anatomical knowledge. The learning modules are part of a web-based course consisting of 52 anatomy modules and 25 embryology modules. Each module is a short program, in outline format, that uses illustrations and clinical images to present the anatomy. The third step involves weekly Case-Directed Anatomy sessions designed to help students reinforce their knowledge. Each session begins with the presentation and discussion by a clinician of the clinical case that was used to introduce the anatomy. A laboratory follows this short session and consists of stations around which the students rotate. The stations consist of prosected cadavers and imaging demonstrating relevant anatomy. The prosections and imaging are prepared and presented to the first year students by faculty and fellows/residents in the clinical disciplines.

Embryology is presented using the same case-directed approach and process that is used to present the anatomy. The students preview a clinical case that focuses on a congenital defect. Each case has specific learning objectives and clinical questions that focus student learning on the embryology relevant to the case. To acquire basic knowledge related to this developmental problem, students use the self-directed learning modules that address embryology.

Learning anatomy does not stop after the first year. This program is longitudinal and continues throughout the CCLCM curriculum. At the end of the first year, there is an anatomy course for Physician Assistants (PA) being taught at the Cleveland Clinic and CCLCM medical students are able to participate as teaching assistants. In this role, they prepare the cadaver dissections and instruct the PA students. This provides the students with an opportunity for a dissection experience. During the second year, anatomy is reviewed in each of the organ-system courses and second year students can assist the fellows and residents as they prepare the prosections for the first year students and for their review of anatomy in the second year. Dissection opportunities are also made available to students in their third, fourth and fifth years. During the third year clinical rotations, anatomy will be reinforced and, in the students final year, there will be several clinical/surgical anatomy electives that students can participate in. Thus, in the CCLCM program anatomy is learned and reinforced throughout the entire five year curriculum.

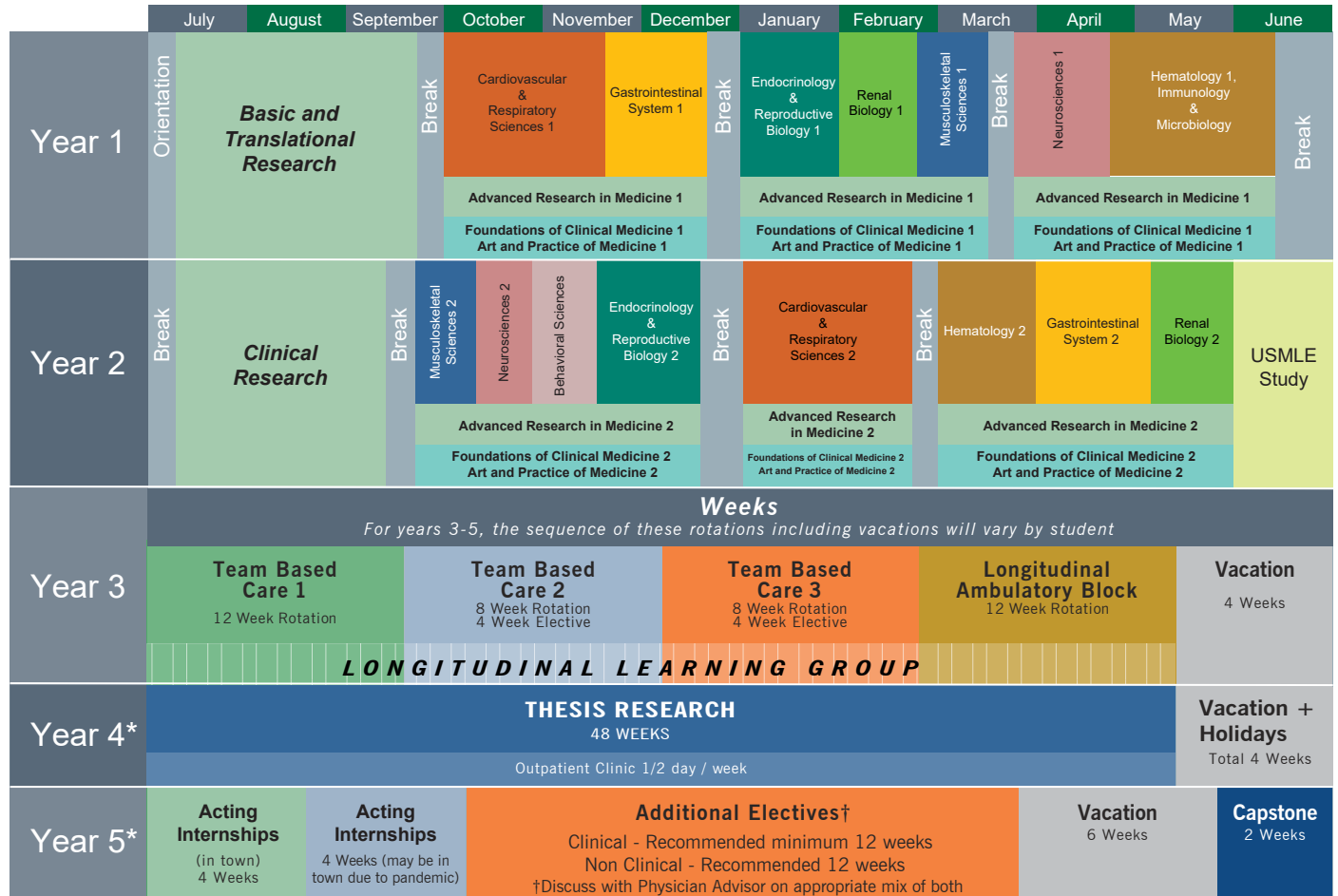
Cleveland Clinic Lerner College of Medicine  
Program in Anatomy and Embryology

# Curriculum

Cleveland Clinic Lerner College of Medicine  
of  
Case Western Reserve University

6/30/20

## Curriculum Overview Years 1-5



\*Includes Advanced Research in Medicine (ARM) 4/5 sessions

Figure 1

Cleveland Clinic Lerner College of Medicine  
of  
Case Western Reserve University

## Year 1 - Curriculum Schedule

| Time                | Monday                                   | Tuesday  | Wednesday  | Thursday                                 | Friday   |
|---------------------|--|--|--|--|--|
| 8:00 am – 10:00 am  | Anatomy Lab                              | Foundations of Medicine Seminars                                     | Seminar  | Independent Study                        | Seminar  |
| 10:00 am – 12:00 pm | PBL Day 1                                | Seminar  | PBL Day 2  |  | PBL Day 3  |
| 12:00 pm – 1:00 pm  |  |  |  |  |  |
| 1:00 pm – 5:00 pm   | Independent Study<br>or Clinical Program | Clinical Program<br>(one afternoon per week)<br>or Independent Study | Independent Study<br>Interprofessional Education | Independent Study<br>or Clinical Program | Advanced Research in Medicine<br>Independent Study |

## Year 2 - Curriculum Schedule

| Time                | Monday                                   | Tuesday   | Wednesday   | Thursday                                 | Friday   |
|---------------------|--|---|---|--|--|
| 8:00 am – 10:00 am  | PBL Day 1                                | Anatomy Lab or Seminar  | PBL Day 2   | Independent Study                        | PBL Day 3  |
| 10:00 am – 12:00 pm | Seminar                                  | Art and Practice of Medicine  | Seminar   |  | Seminar  |
| 12:00 pm – 1:00 pm  |  |   |   |  |  |
| 1:00 pm – 5:00 pm   | Independent Study<br>or Clinical Program | Clinical Program<br>(two afternoons per week)<br>or Independent Study | Clinical Program<br>(two afternoons per week)<br>or Independent Study | Independent Study<br>or Clinical Program | Advanced Research in Medicine<br>Independent Study |

Cleveland Clinic Lerner College of Medicine  
of  
Case Western Reserve University

## Basic and Translational Research Block Summer Year 1 Curriculum Schedule

| Time                | Monday                             | Tuesday                            | Wednesday                          | Thursday            | Friday                             |
|---------------------|------------------------------------|------------------------------------|------------------------------------|---------------------|------------------------------------|
| 8:00 am — 10:00 am  | Fundamentals of Molecular Medicine | Fundamentals of Molecular Medicine | Fundamentals of Molecular Medicine | Meetings            | Fundamentals of Molecular Medicine |
| 10:00 am — 12:00 pm | Research Experience                | Research Experience                | Research Experience                | Research Experience | Journal Club                       |
| 12:00 pm — 1:00 pm  |                                    |                                    |                                    |                     | Research Experience                |
| 1:00 pm — 5:00 pm   |                                    |                                    |                                    |                     |                                    |
|                     |                                    |                                    |                                    |                     |                                    |

## Clinical and Research Summer Year 2 Curriculum Schedule

| Time                | Monday              | Tuesday             | Wednesday           | Thursday            | Friday              |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 8:00 am — 10:00 am  | Epidemiology        | Biostatistics       | Epidemiology        | Biostatistics       | Journal Club        |
| 10:00 am — 12:00 pm | Research Experience | Research Experience | Research Experience | Research Experience | Research Experience |
| 12:00 pm — 1:00 pm  |                     |                     |                     |                     |                     |
| 1:00 pm — 5:00 pm   |                     |                     |                     |                     |                     |
|                     |                     |                     |                     |                     |                     |

# Curriculum Overview Years 3-5

| <b>Weeks</b><br><i>For years 3-5, the sequence of these rotations including vacations will vary by student)</i> |  |   |  |  |                            |
|---|--|---|--|--|----------------------------|
| Year 3  | <b>Team Based Care 1</b><br>12 Week Rotation<br><br>Inpatient<br>• Internal Medicine<br>• Surgery                        | <b>Team Based Care 2</b><br>8 Week Rotation<br>4 Week Elective<br><br>Inpatient<br>• Pediatrics<br>• Obstetrics<br>• Gynecologic Surgery<br><br>Elective<br>(any elective, any place) | <b>Team Based Care 3</b><br>8 Week Rotation<br>4 Week Elective<br><br>• Neurology<br>• Psychiatry<br><br>Elective<br>(any elective, any place) | <b>Longitudinal Ambulatory Block</b><br>12 Week Rotation<br><br>Outpatient<br>• Internal Medicine<br>• Family Medicine<br>• Geriatrics<br>• Pediatrics<br>• Women's Health<br><br>Emergency Medicine | <b>Vacation</b><br>4 Weeks |
|   | <b>LONGITUDINAL LEARNING GROUP</b>   |   |  |  |                            |
| Year 4  | <b>THESIS RESEARCH</b><br>48 WEEKS<br><br>Outpatient Clinic 1/2 day / week   |   |  |  | <b>Vacation</b><br>4 Weeks |
|   |  |   |  |  |                            |
| Year 5  | <b>Acting Internships</b><br>(in town)<br>4 Weeks<br><br>(Medicine, Pediatrics, Surgery or Family Medicine in Cleveland) | <b>Acting Internships</b><br>4 Weeks  | <b>Additional Electives</b><br>24 Weeks<br><br>Clinical - Minimum 12 Weeks<br>Non Clinical - Maximum 12 Weeks                                  | <b>Vacation</b><br>6 Weeks   | <b>Capstone</b><br>2 Weeks |
|   |  |   |  |  |                            |

**Cleveland Clinic Lerner College of Medicine**  
**2020 – 2021 Research Block and Basic Science Calendar**  
**Class of 2025 - Year 1**

|                          |  |
|--------------------------|--|
| 07/06/20-07/10/20        | Orientation  |
| 7/12/20                  | White Coat Ceremony  |
| 07/13/20-07/17/20        | Basic and Translational Research Block<br><br>Fundamentals of Molecular Medicine<br>Journal Club<br><br>(10 weeks) |
| 07/20/20-07/24/20        |  |
| 07/27/20-07/31/20        |  |
| 08/03/20-08/07/20        |  |
| 08/10/20-08/14/20        |  |
| 08/17/20-08/21/20        |  |
| 08/24/20-08/28/20        |  |
| 08/31/20-09/04/20        |  |
| <b>09/08/20-09/11/20</b> |  |
| 09/14/20-09/18/20        |  |
| 09/21/20-09/25/20 ***    | Break  |
| 09/28/20-10/02/20 ***    | Cardiovascular and Respiratory Sciences 1<br><br>(7 weeks)   |
| 10/05/20-10/09/20        |  |
| 10/12/20-10/16/20        |  |
| 10/19/20-10/23/20        |  |
| 10/26/20-10/30/20        |  |
| 11/02/20-11/06/20        |  |
| 11/09/20-11/13/20        |  |
| 11/16/20-11/20/20        | Gastrointestinal System 1<br><br>(4.5 weeks)   |
| <b>11/23/20-11/25/20</b> |  |
| 11/30/20-12/04/20        |  |
| 12/07/20-12/11/20        |  |
| 12/14/20-12/18/20        |  |
| <b>12/21/20-12/25/20</b> | Winter Break   |
| <b>12/28/20-01/01/21</b> |  |
| 01/04/21-01/08/21        | Endocrinology and Reproductive Biology 1<br>(4 weeks)  |
| 01/11/21-01/15/21        |  |
| <b>01/19/21-01/22/21</b> |  |
| 01/25/21-01/29/21        |  |
| 02/01/21-02/05/21        | Renal Biology 1<br><br>(3 weeks)   |
| 02/08/21-02/12/21        |  |
| 02/15/21-02/19/21        |  |
| 02/22/21-02/26/21        | Musculoskeletal Sciences 1<br><br>(3 weeks)  |
| 03/01/21-03/05/21        |  |
| 03/08/21-03/12/21        |  |
| 03/15/21-03/19/21        | Break  |
| 03/22/21-03/26/21        | Neurosciences 1<br><br>(5 weeks)   |
| 03/29/21-04/02/21 ***    |  |
| 04/05/21-04/09/21        |  |
| 04/12/21-04/16/21        |  |
| 04/19/21-04/23/21        |  |
| 04/26/21-04/30/21        | Hematology 1, Immunology, and Microbiology<br><br>(7 weeks)  |
| 05/03/21-05/07/21        |  |
| 05/10/21-05/14/21        |  |
| 05/17/21-05/21/21        |  |
| 05/24/21-05/28/21        |  |
| <b>06/01/21-06/04/21</b> |  |
| 06/07/21-06/11/21        |  |
| 06/14/21-06/18/21        | Break  |
| 06/21/21-06/25/21        |  |
| 06/28/21-07/02/21        |  |

Weeks in bold italics include fixed University holidays: Independence Day, Labor Day, Thanksgiving, Christmas, New Year's Day, Martin Luther King Day, and Memorial Day. For University holidays that do not occur during a scheduled break, dates on which classes may be scheduled are given. \*\*\* Indicates weeks with religious holidays not observed by the University - Rosh Hashanah (9/19/20), Yom Kippur (9/28/20), Passover (3/28-4/04/21) and Easter Sunday.

# Medical Humanities

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As medical innovation and scientific discovery continue at an extraordinary pace, so too does the demand for medical professionals who appreciate the ethical, historical and human aspects of medicine. The field of medical humanities grew out of this need to combine the science of medicine with an understanding of the broader context of healthcare delivery and its meaning to people and society.

Recognizing the importance of humanities in training the physician leaders of tomorrow, CCLCM offers medical humanities coursework throughout its five-year program. Directed by Eric Kodish, MD, the program is a collaborative partnership between CCLCM and the Center for Ethics, Humanities and Spiritual Care.

## What Humanities Offers

**Our medical humanities teaching and learning techniques are grounded in:**

- **Perspective** The recognition that exposure to multiple points of view can lead to deeper and more nuanced understanding of one's own value system.
- **Process** An approach to teaching that offers students the ability to cope with, and perhaps even find comfort within, the challenges of complexity and ambiguity
- **Community betterment through the humanities and arts** The opportunity to work with neighborhood organizations to improve the health and well-being of Clevelanders.



Currently, the first two years of the medical humanities curriculum comprise large and small group sessions, and four creative projects including reflective essays and an oral history of a long-standing Cleveland Clinic employee.

## Why Humanities Matters

### By studying medical humanities, students:

- Realize the meaning of the human experience of health and illness and how that experience relates to the art of doctoring
- Are awakened to more fully experience the world.
- Become well-rounded people who are skilled not only at medical care and research, but also in creative and humanistic approaches to medicine.

Partnerships with community organizations focused on health and wellness also provide opportunities for students to engage in creative work centered on the care of vulnerable groups within our society.

Another benefit is that students realize an “emotional attachment to place.” As our students seek to build health in those they serve, they also will create a healthier community. This work may foster a sense of investment in Greater Cleveland, thereby encouraging our students to become lifelong residents committed to the growth, sustainability and wellness of our neighborhoods.



# Student Interest Groups & Organizations

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Cancer Interest Group

Cardiology Interest Group

Climate and Health Interest Group

College Board Student Representatives

Community Health Initiative

First Year Cleveland

Internal Medicine Interest Group

Medical Humanities Interest Group

Minority Health Interest Group

OB/GYN Interest Group

Ophthalmology Interest Group

Pediatric Interest Group

Peru Health Outreach Project  
Global Health Workshop

Transplant Interest Group

Ultrasound Interest Group

Women in Medicine Group



# Cleveland Clinic Lerner Research Institute

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The Lerner Research Institute is an integral part of our program. The multidisciplinary Centers of Research provide structured environments for laboratory scientists and physicians to work together to advance human health.

Cleveland Clinic and the Lerner Research Institute are at the forefront of advanced techniques and biological discovery, emphasizing translational research that has the potential to change the way we practice medicine.

Today, the Lerner Research Institute is home to all basic, translational and clinical research at Cleveland Clinic. With nearly 1,500 researchers and support personnel in 175 laboratories in 13 departments, the LRI is one of the largest research institutes in the nation, consistently ranking in the top 10 in National Institutes of Health funding, a benchmark of research success.

## Research Departments

Biomedical Engineering  
Cancer Biology  
Cellular and Molecular Medicine  
Genomic Medicine  
Immunology  
Molecular Cardiology  
Neurosciences  
Ophthalmic Research  
Pathobiology  
Quantitative Health Sciences  
Stem Cell Biology and Regenerative Medicine  
Translational Hematology & Oncology Research  
Clinical and Translational Research

## Centers of Research

Alcohol Center  
Angiogenesis Research  
Cardiovascular Diagnostics & Prevention  
Metabolic and Translational Research Center  
Thrombosis and Vascular Biology  
Urological Research

# Multicultural Student Organizations

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We would like to congratulate you on your interview! We look forward to meeting you and would like to provide you with information about some of the student organizations focused on minority health and the support programs for students underrepresented in medicine.

## **Monthly Multicultural Dinners**

All students are invited to participate in our monthly multicultural event, which has been a huge success. Students of various ethnicities, religions, and lifestyles have presented on what they feel is important in caring for patients of that particular group. A potluck occurs to sweeten the presentation and discussion.

Minority Health Interest Group (MHIG) is a group that works to increase recruitment and enrollment of students underrepresented in medicine, provide academic and social support for these students, and promote education and awareness of health care disparities. Our activities include: Multicultural Welcome Reception and Panel, various Community Service activities, Health Disparities Lecture Series, and a Multicultural Holiday Potluck Dinner. We also work to pair you with a Minority Physician in your field of interest.

These students also collaborate with the Student National Medical Association (SNMA) and Latino Medical Student Association (LMSA) at Case Western Reserve University School of Medicine.

## **LGBT Students in the College**

The Office of Diversity at Cleveland Clinic sponsors a mentorship track to promote the career and advancement of lesbian, gay, bisexual, and transgendered (LGBT) people. Entering students can be matched with LGBT physicians and residents/fellows who serve as mentors in addition to their physician adviser and research adviser. A number of special activities are planned throughout the academic year, such as networking opportunities, group training sessions, focus groups and an annual Accepted Applicants Weekend where accepted applicants are invited to return to campus for a closer look at the school, their future classmates and some of Cleveland's cultural offerings. Students enrolled in the College are also welcome to participate in activities sponsored by Clinic Pride, based at the Cleveland Clinic, and the Lesbian Gay Bisexual Transgender Center, based on CWRU campus.

# BEST HOSPITALS

## THE HONOR ROLL

**The Best Hospitals Honor Roll** highlights 20 hospitals that excel across most or all types of care evaluated by U.S. News. Hospitals received points if they were nationally ranked in the 16 specialties – the more specialties and the higher their rank, the more points they got – and if they were rated high performing in any of the 10 procedures and conditions. The top point-scorers made the Honor Roll.



- |   |   |   |
|---|---|---|
| <b>1</b> Mayo Clinic,<br>Rochester, Minn.                                     | <b>8</b> UCSF Medical Center,<br>San Francisco                                | <b>15</b> Hospitals of the University of<br>Pennsylvania-Penn Presbyterian,<br>Philadelphia |
| <b>2</b> Cleveland Clinic,<br>Cleveland                                       | <b>9</b> NYU Langone Hospitals,<br>New York                                   | <b>16</b> Mayo Clinic,<br>Phoenix   |
| <b>3</b> Johns Hopkins Hospital,<br>Baltimore                                 | <b>10</b> Northwestern Memorial<br>Hospital, Chicago                          | <b>17</b> Rush University Medical Center,<br>Chicago  |
| <b>4*</b> New York-Presbyterian<br>Hospital-Columbia and Cornell,<br>New York | <b>11</b> University of Michigan<br>Hospitals-Michigan Medicine,<br>Ann Arbor | <b>18*</b> Barnes-Jewish Hospital,<br>St. Louis   |
| <b>4*</b> UCLA Medical Center,<br>Los Angeles                                 | <b>12</b> Brigham and Women's Hospital,<br>Boston                             | <b>18*</b> Keck Hospital of USC,<br>Los Angeles   |
| <b>6</b> Massachusetts General Hospital,<br>Boston                            | <b>13</b> Stanford Health Care-Stanford<br>Hospital, Stanford, California     | <b>20*</b> Houston Methodist Hospital,<br>Houston   |
| <b>7</b> Cedars-Sinai Medical Center,<br>Los Angeles                          | <b>14</b> Mount Sinai Hospital,<br>New York                                   |   |

\* Denotes a tie



# US News Rankings

Cleveland Clinic Named #2 Hospital in Nation  
by *U.S. News & World Report*.

| Specialty Areas               | US Ranking |
|-------------------------------|------------|
| Cardiology & Heart Surgery    | 1          |
| Geriatrics                    | 2          |
| Gynecology                    | 2          |
| Rheumatology                  | 2          |
| Gastroenterology & GI Surgery | 3          |
| Pulmonology & Lung Surgery    | 4          |
| Urology                       | 4          |
| Cancer                        | 5          |
| Nephrology                    | 5          |
| Diabetes & Endocrinology      | 6          |
| Neurology & Neurosurgery      | 9          |
| Orthopedics                   | 9          |
| Ophthalmology                 | 10         |
| Ear, Nose & Throat            | 16         |
| Psychiatry                    | HP*        |



[www.clevelandclinic.org/usnews](http://www.clevelandclinic.org/usnews)

\*High Performing

Founded in 1921 by four physicians. A nonprofit organization and multidisciplinary care team.

## MISSION

Providing better **care** for the sick, **investigation** into their problems and **education** of those who serve.

## VISION

To become the best place for **healthcare** anywhere and the best place to **work** in healthcare.

## STRATEGY

- > Stay **true** to who we are.
- > Care for patients across their **lifetimes**.
- > **Double** the number of patients served.

## CARE PRIORITIES



## DECISION-MAKING FRAMEWORK

Treat **patients** and **each other** like **family**. Treat the **organization** as our **home**.

## VALUES

- > Empathy
- > Inclusion
- > Innovation
- > Integrity
- > Quality & Safety
- > Teamwork

## CLEVELAND CLINIC HEALTH SYSTEM INCLUDES:

- > **18** hospitals
- > **220+** outpatient locations
- > **6,026** beds
- > **20** patient-centered institutes

Locations include:

- > A main campus in **Cleveland**
- > **11** regional hospitals in **Northeast Ohio**
- > **5** hospitals in **Southeast Florida** with more than 1,000 beds
- > A medical center for brain health in **Las Vegas**
- > A sports and executive health center in **Toronto**
- > A 364-bed hospital in **Abu Dhabi**
- > A 184-bed hospital in **London** (will open in 2021)
- > Case Western Reserve University & Cleveland Clinic **Health Education Campus**

## 67,500 CAREGIVERS WORLDWIDE



## EXTERNAL VALIDATION BY NATIONAL INDEPENDENT RATINGS



This independent healthcare quality advocate issues semiannual grades that reflect patient safety performance and practices. In 2019, **12 of our 17 U.S. hospitals** received an A grade from Leapfrog.



*Newsweek* ranked Cleveland Clinic **No. 2 among the world's best hospitals** in 2019, based on recommendations from medical experts, patient survey results and key medical performance indicators.



Fairview Hospital and Lutheran Hospital earned Vizient's 2019 Bernard A. Birnbaum, MD, **Quality Leadership Award**.



Cleveland Clinic's main campus, Akron General, Fairview Hospital, Hillcrest Hospital, South Pointe Hospital and Cleveland Clinic Abu Dhabi have all earned Magnet® designation from the American Nurses Credentialing Center — reflecting the **strength and quality of our nursing programs**.



Cleveland Clinic was named a top U.S. hospital in *U.S. News & World Report's* "2019-20 Best Hospitals" rankings. We are **No. 1 in cardiology and heart surgery for the 25th straight year** and rank nationally in 15 specialties, including 11 specialties in the top 10.

For a more complete listing of awards and external recognitions, visit [clevelandclinic.org/2019awards](https://clevelandclinic.org/2019awards).

## CARE FOR PATIENTS

### PATIENT CARE

**2.4M**

Unique patients

**10M**

Outpatient visits

**309K**

Admissions and observations

**255K**

Surgeries and procedures

**884K**

Emergency department visits

**59K**

Virtual visits

### EDUCATION

**1,974**

Residents and fellows

**104**

Accredited training programs

### RESEARCH

**2,488**

Active research projects

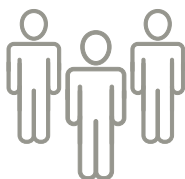
**\$307M**

Research funding

## CARE FOR CAREGIVERS

**67.5K**

Caregivers worldwide



including:

**4.5K**

Physicians and scientists

**2.5K**

Advanced practice providers

**14.5K**

Nurses

## CARE FOR THE ORGANIZATION



**\$10.56B**

Operating revenue



**\$390M**

Income from operations

## CARE FOR THE COMMUNITY

**\$1.04B**

Annual community benefit (2018)



**\$17.8B**

Economic impact (2016)



To view Cleveland Clinic's *State of the Clinic 2019* report, visit [clevelandclinic.org/stateoftheclinic](https://clevelandclinic.org/stateoftheclinic).



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# CCLCM 2020 Match List

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## **Anesthesiology**

Cleveland Clinic – OH

## **Dermatology**

U Washington Affil Hosps

## **Emergency Medicine**

Christiana Care-DE

Johns Hopkins Hosp-MD

Indiana University SOM

Zucker SOM-Northwell Staten Island Univ-NY

## **Family Medicine**

Cleveland Clinic - Fairview Hospital-OH

## **Internal Medicine**

B I Deaconess Med Ctr-MA

U Washington Affil Hosps

Hosp of the Univ of PA

University of Hawaii

## **Medicine-Preliminary**

Icahn SOM at Mount Sinai-NY

Duke Univ Med Ctr-NC

Alameda Health Sys-Highland Hosp-CA

## **Medicine-Primary/HVMA**

Brigham & Womens Hosp-MA

## **Neurological Surgery**

U Michigan Hosps-Ann Arbor

Cleveland Clinic-OH

Oregon Health & Science Univ

## **Neurology**

UC San Francisco-CA

Cleveland Clinic-OH

## **Obstetrics-Gynecology**

Cleveland Clinic - OH

Mercy Hosp & Med Ctr-IL

U Oklahoma COM-OK City

## **Ophthalmology**

Columbia/Harkness

## **Orthopaedic Surgery**

U Utah Affil Hospitals

Cleveland Clinic-OH

## **Otolaryngology**

Harvard Med School/Mass Eye and Ear

## **Pathology-AP & CP**

U Washington Affil Hosps

## **Pediatrics**

U Washington Affil Hosps

## **Phys Medicine & Rehab**

Rutgers-New Jersey Med School

## **Radiology-Diagnostic**

Cleveland Clinic-OH

George Washington Univ-DC

## **Surgery-Preliminary**

Case Western/Univ Hosps Cleveland Med Ctr

## **Thoracic Surgery**

Cleveland Clinic-OH

## **Transitional**

Aventura Hospital-FL

## **Urology**

U of Michigan medical Center

UCLA SOM

# 2020 – 2021 Medical School Financial Aid Information

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## Undergraduate Loans

- Get records in order from previous borrowing. Know who holds your loans, the amounts of each, interest rates, grace periods, and deferment requirements.
- Periodically logon to <http://studentaid.gov> to see the status of your government loans.

## Pay Consumer Debts

- Financial Aid does not cover debts incurred before medical school.
- **Credit card and car payments are not included in your budget – pay them off before starting medical school.**
- Determine if your credit habits need to be changed. Don't charge more than you can afford to pay off each month and account for all your out-of-pocket expenses.

## Credit Report Review

- **Some student loans require a credit check; we recommend that you obtain a free copy of your credit report from [www.annualcreditreport.com](http://www.annualcreditreport.com).**
- Check the report for errors and/or negative information.
- If there are errors, contact the company that provided the credit information to resolve the discrepancy.
- If there is negative information that is correct, ask your lender(s) if there is any corrective action you can take

## Determining the Cost of Medical Education

- Overall costs are based on the annual school budget, which includes tuition and fees, housing, books, supplies, equipment and modest personal expenses.
- Compare the overall budget with family contributions and the combination of loans, grants, and/or scholarships offered by the school.

## Reduce Debt-Explore Sources of Financial Aid

- Check out the Financial Aid web page at [www.finaid.org](http://www.finaid.org).
- Expected school assistance.
- Community groups, parents' employers, special interest groups, alumni associates, religious or fraternal groups, unions, ethnic organizations, and state assistance programs.
- Use the internet for scholarship searches:  
[www.scholarships.com](http://www.scholarships.com)  
[www.gocollege.com](http://www.gocollege.com)  
[www.careermd.com](http://www.careermd.com)

## International Students

- Financial aid resources for international students are very limited. Most grants and scholarships are restricted to U.S. citizens.
- International students are not eligible for Federal student loans.
- There may be private lenders who have loan programs for international students. **All lenders will require a co-signer who is an U.S. citizen with good credit.**

## Financial Aid Sources for Medical Students

- Scholarships and Grants
  - Institutional & Outside
  - **All CCLCM students receive full tuition and fees scholarship**
  - We also provide five stipend scholarships to cover living expenses for four years; students do not apply for living expense stipend – students are selected.
- Student Loans
  - Institutional
  - Direct Unsubsidized
  - Grad PLUS
  - Private
  - Residency

### Annual Application Process for CCLCM

- Complete FAFSA
  - Include Title IV Code for Case Western Reserve University – **E00079**
- School Application

### Cost of Attendance for CCLCM's 2020 Entering Class Includes (Based on 12 months)

|  |          |
|--|----------|
| • Tuition                                    | \$67,440 |
| • Books, supplies, microscope, and equipment | \$1,000  |
| • Housing and utilities                      | \$11,910 |
| • Food                                       | \$4,062  |
| • Personal and other expenses                | \$4,448  |
| • Student health insurance                   | \$2,330  |
| • Activity fee                               | \$40     |
| • Graduate Student Council Fee               | \$30     |
| • Transportation                             | \$2,868  |
| • RTA Bus Pass                               | \$95     |
| • Travel for clinical training               | \$1,648  |
| • National board exam fees                   | \$0      |
| • Student loan fees                          | \$234    |
| • Graduation                                 | \$0      |
|  | <hr/>    |
|  | \$96,105 |

**Budgets are different for each class and are based on 12 or 11 month enrollment periods.**

CCLCM provides a laptop for all entering students.

|          |  |
|----------|--|
| \$96,105 | <b>Sample Award for CCLCM Students</b>                               |
| -67,440  | Budget for 2020 Entering Class                                       |
| \$28,665 | Full Tuition & Fees Scholarship                                      |
|          | Federal Unsubsidized Loan or personal funds to cover living expenses |

**Aid is disbursed twice a year: July (week following orientation) and January**

### **BORROW ONLY WHAT YOU REALLY NEED!!**

#### **Student Indebtedness**

- Average Medical School debt for the graduating class of 2019 was \$87,976.
- 2019 average national debt for private medical schools was \$215,005; All schools was \$201,490.

### Funding During Research Year at CCLCM

- There will be a continuation fee equal to 5% of tuition the year in which students do the- sis research; this is covered by the full tuition scholarship.
- The thesis advisor and Department/Institute are responsible for all costs of research (supplies, personnel, etc.) as well as the student stipend. However, the research mentor may not be able to provide a stipend to cover living expenses.
- Applications for student fellowships to support the student stipend to cover living expenses are strongly encouraged.
- If students are unable to obtain funding to covering living expenses, they can take out a student loan

### Financial Issues and Concerns

- You will need approximately \$3,000 or more in startup funds (apartment deposit, first month's rent, food, books, etc.) You should also factor in moving costs.
- **Don't count on working or rely on credit cards to supplement your budget.**
- If you are currently working full time, you will need to adjust your budget and spending down to a student level.
- Financial Aid does not allow for the purchase of cars, because the government does not consid- er them an educational expense.
- **Students in the College Program need a car for early clinical experiences at affiliated hospitals starting September of first year. Please plan accordingly.**
- Most prior educational loans can be deferred while you are a full time student.

### Financial Literacy Resources

<http://frugalliving.about.com>

<http://www.finaid.org>

<http://studentaid.gov>

[www.mymoney.gov](http://www.mymoney.gov)

<https://students-residents.aamc.org/financial-aid/>

For more information, go to our web page at, [www.clevelandclinic.org/cclcm/financial\\_aid.htm](http://www.clevelandclinic.org/cclcm/financial_aid.htm).

## Office Contacts

Office of Admissions and Student Affairs

9500 Euclid Ave. HEC / EC10

Cleveland, OH 44195

[cclcm@ccf.org](mailto:cclcm@ccf.org)

Phone | 866.735.1912 or 216.445.7170

Fax | 216.636.3206

**Christine B. Warren, M.D., M.S., FAAD** | Associate Dean, Admissions & Student Affairs

**Elizabeth Myers, M.Ed.** | Director, Admissions & Student Affairs

**Karen Wright, B.S.** | Program Manager, Admissions & Financial Aid

**Darlene Gray** | Coordinator, Student Affairs

## Notes

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