College of Medicine & Life Sciences

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Clinical Graduate/Undergraduate Programs (Master of Science in Biomedical Science [MSBS])

- MSBS Physician Assistant *
 - 2.5 years of didactic and clinical courses
 - + Scholarly Project
- **❖** MSBS (PSM) Human Donation Sciences
 - 1 year of both didactic and clinical courses
 - + Scholarly Project
- MSBS Assistant in Pathology *
 - 2 years of both didactic and clinical courses
 - + Scholarly Project
- MSBS Medical Physics *
 - 2 years of both didactic and clinical courses
 - + Thesis or Scholarly Project
- * MSBS Medical Science (premed) (no dept. affiliation)
 - 1 year of didactic courses
 - + Scholarly Project
- Emergency Medical Services (Paramedic) *
 - 1 year of both didactic and clinical courses
 - + Capstone project
- ❖ MSBS Oral Biology (open to dental residents only)
 - 2 years of both didactic and clinical
 - + Scholarly Project

Biomedical Science Program (BMSP) graduate research training

 Currently, there are 77 students in COMLS "umbrella" Biomedical Science Program:
 PhD (47), MD/PhD (11), and MSBS (19)

- * There are five basic research "tracks" in the BMSP that offer PhD, MD/PhD or MSBS degrees:
 - 1. Cancer Biology (CAB) PhD, MD/PhD
 - 2. **Molecular Medicine** (MOME) PhD, MD/PhD or MSBS
 - 3. **Medical Microbiology & Immunology** (MMI) PhD, MD/PhD or MSBS
 - 4. Neurosciences and Neurological Diseases (NND) PhD, MD/PhD
 - 5. Bioinformatics and Proteomics/Genomics (BIPG)

 MSBS (currently working on PhD track)

 BIPG also has a pipeline: BS in Biology and MSBS in BIPG (no dept. affiliation)

All COMLS graduate programs are 12 months/yr

- Students accepted into the Biomedical Science Program receive a full tuition waiver and NIH level stipend during their graduate training for PhD, and with a smaller stipend for MSBS students.
- All first year students follow the same core BMSP didactic curriculum.
- All COMLS faculty wanting a graduate student speak to the first year class during first 3-4 weeks. After this PhD students go through three research rotations and MS students go through two research rotations to identify major advisors.
- COMLS has no undergraduate courses therefore no TA's. However, we have an agreement with COGS for student stipends:
- 1st yr students receive 100% of their stipends from COMLS budget from COGS, 50% for 2nd yr students, 25% for 3rd yr students. The remaining portion of student stipends must come from research funds.
- Thus the number of BMSP graduate students in COMLS is limited both by the budget COGS gives us each year and the number of funded PI's.

COMLS facts

MD students: ~700 UME Residents & Fellows: 328 GME

COGS enrolled graduate students: 248
Postdoctoral trainees: 20

COMLS has 14 clinical department and 4 basic science departments with 322 clinical faculty and 83 basic scientists.

All COMLS faculty are non-union and 12 month/yr.

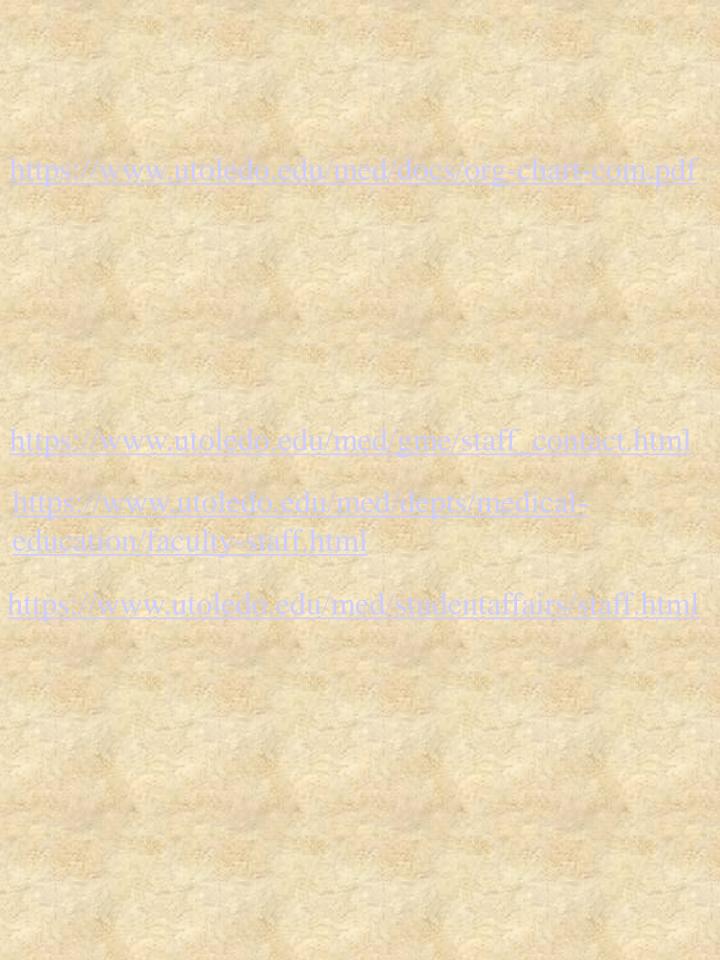
Majority of COMLS courses are team-taught.

COMLS has 20 vice-, senior associate-, associate-, and assistant-deans.

COMLS has one 0.5 FTE associate Dean for all graduate programs and one 0.5 FTE graduate coordinator.

COMLS has one dining room on campus – hospital cafeteria – shared with clinicians, hospitalists, residents, medical and graduate students, and patients.

COMLS has no student dorms.





Thank you

