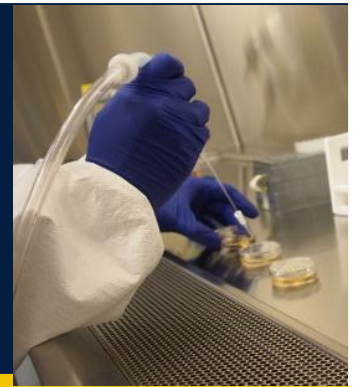




# UMHS Research: Fast forward to a healthier future



For decades, we've been a national powerhouse in biomedical research, working to better understand, detect & treat a broad array of human diseases, and improve health care delivery. Our success depends on our faculty, staff & students – and ongoing efforts to adapt to major changes in research funding.

- **Top tier:** In federal fiscal year 2013, the U-M Medical School ranked #11 in the U.S. for grants to medical schools from the National Institutes of Health, with 709 individual grants totaling \$284.4M. The competition for NIH research funding intensified greatly, due to a flat NIH budget & federal budget sequestration.
- **Diverse funding:** In addition to NIH funding, UMMS researchers brought in grants & awards from other federal agencies, industry, foundations & philanthropy. In U-M FY 2013, our total research funding was over \$467M – including \$50M from industry sources that make up a growing portion of our funding.
- **Nearly half U-M's total:** In all, research spending at UMMS reported by the U-M Office of Research in U-M FY13 was \$573.9M – approximately 43 percent of U-M's total of \$1.3 billion. This includes spending of funds from grants, endowed sources and internal allocations.
- **Wide reach:** Last year alone, our researchers published more than 5,400 scholarly publications, disclosed 133 new inventions, applied for 44 patents, were awarded 41 patents and had 54 of their inventions involved in 40 new license agreements with industry. Our past inventions brought in \$11M in royalties.
- **Broad expertise:** From stem cells to strokes, obesity to orphan diseases, and bacterial infections to diabetes care, our researchers explore virtually every aspect of health and health care. A measure of our broad strength: 14 of our 25 departments are ranked in the top 10 in the country for NIH funding in their specialty.
- **Investing for our future:** We've made a \$100M long-term strategic investment in certain key areas of research and supporting infrastructure, to help our investigators gain early-stage funding, compete better for the federal grants that make up 78% of our research funding, and work together to leverage our strengths.
  - The new Host Microbiome & Protein Folding Diseases initiatives bring together dozens of researchers
  - Our Fast Forward Medical Innovation effort focuses our commercialization & entrepreneurship efforts, including \$2.4M from the Michigan Economic Development Corporation fund for commercializable ideas & \$2.9M from the Davidson Foundation
- **Research-clinical partnership:** The Medical School and Hospitals & Health Centers work together to create a robust research climate for the 3,500 clinical trials & human studies under way at UMHS. This includes:
  - Clinic space and medical imaging scanners devoted solely to research.
  - Dedicated time for many physicians & senior residents to spend on research projects.
  - Sharing clinical revenues to help recruit new physician-scientists & clinical researchers.
- **Campus-wide collaboration:** Our researchers partner with others from many areas of U-M, through such ventures as the Institute for Healthcare Policy & Innovation and the Biointerfaces initiative.
- **Involving the community:** 16,000 people have joined our research volunteer registry, [UMClinicalStudies.org](http://UMClinicalStudies.org). Community members serve on boards overseeing research in humans & animals.