Resource Summary Report

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Vanderbilt University Medical Center Pharmacology

RRID:SCR_001450
Type: Tool

Proper Citation

Vanderbilt University Medical Center Pharmacology (RRID:SCR_001450)

Resource Information

URL: https://medschool.vanderbilt.edu/pharmacology/

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Description: At the Department of Pharmacology at Vanderbilt University Medical Center we engage in scientific discovery to elucidate biological mechanisms and develop novel therapeutics. We provide training focused on critical thinking to promote innovation, scholarship and integrity. To this end, we foster creativity, collegiality, and leadership. The Department is one of the most distinguished Pharmacology departments in the country and have placed in the top two NIH ranking positions for sixteen of the last twenty years. Research interests in the Department include five major areas: signal transduction, neuroscience, bioactive lipid metabolism, genetic basis of cardiovascular dysfunction, and drug metabolism. Molecules under investigation include G-protein coupled receptors (rhodopsin, adrenergic, serotonin and receptors), heterotrimeric G-proteins, ion channels, transporters and regulatory proteins such as arrestins, protein kinases and protein phosphatases. A strength in our research and training environment is that Vanderbilt University has a world-acclaimed Division of Clinical Pharmacology, which links the Department of Medicine with the Department of Pharmacology. Faculty members in the Division of Clinical Pharmacology focus on human disease and clinical enigmas as the origin of their questions for research. Basic scientists who pursue their inquiries in this environment are continually informed by their colleagues of the pathophysiological and potential therapeutic relevance that can be achieved by appropriate focus of their efforts. We have created one of the first programs in the country to answer the call from the National Institutes of Health (NIH) for more scientists trained in the area of drug discovery and development. A unique feature of the department is our outstanding Ph.D. training program. Almost 60 scientists in training are addressing important issues in fields such neuroscience, cardiovascular development, receptor signaling, and drug metabolism. Scientists in these areas are linked by a common interest in, and understanding of, the basic principles of drug action and design. This perspective makes our trainees ideally suited for a wide range of careers and our program is committed to developing leaders in academia, industry, and regulatory affairs. Postdoctoral and other positions are available.

Abbreviations: Vanderbilt Pharmacology

Synonyms: Vanderbilt Department of Pharmacology

Resource Type: data or information resource, department portal, organization portal, portal

Keywords: pharmacology, clinical, signal transduction, neuroscience, bioactive lipid metabolism, cardiovascular dysfunction, drug metabolism, g-protein coupled receptor, rhodopsin, adrenergic, serotonin, receptor, heterotrimeric g-protein, ion channel, transporter, regulatory protein, arrestins, protein kinase, protein phosphatase, disease, drug discovery, drug development

Availability: Free, Freely Available

Resource Name: Vanderbilt University Medical Center Pharmacology

Resource ID: SCR_001450

Alternate IDs: nif-0000-02295

Alternate URLs: http://www.mc.vanderbilt.edu/vumcdept/pharm/

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260912T195525+0000

Ratings and Alerts

No rating or validation information has been found for Vanderbilt University Medical Center Pharmacology.

No alerts have been found for Vanderbilt University Medical Center Pharmacology.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.