

DOCUMENT SOURCE	University of California at Los Angeles University Archives
TITLE	Chancellor's Office
ADMINISTRATIVE SUBJECT FILES	Administrative Subject Files of Franklin Murphy
NUMBER	401
DATE	73
FILE NAME	MED. Cardiovascular Research Laboratory, 1952-1962
DATE	2/1/56
BY	Susan Storch 3/23/95

COPY

724298

88-2214  
JAA  
BF

February 22, 1956

TO: Richard J. Stull, Vice-President, Medical and Health Sciences

VIA: Stafford L. Warren, Dean and Joseph F. Ross, Associate Dean  
School of Medicine, UCLA.

FROM: Subcommittee on Cardiovascular Research Activities, UCLA  
Albert A. Kattus, Jr., Chairman

SUBJECT: Status of Cardiovascular Research at UCLA School of Medicine

STIMULUS FOR THIS REPORT:

On February 1, 1956 in a letter to Dean, Stafford L. Warren of the UCLA Medical School, Vice-President Stull requested a report on cardiovascular research activities at the UCLA School of Medicine. It was requested that the report contain a summary of past research accomplishments in the cardiovascular field, a listing of the research currently in progress, and an estimate of current needs for maintaining and developing the present projects. This is to be an over-all report for the President of the University which he might then submit to the legislature for its information.

PRESENT STATUS OF CARDIOVASCULAR RESEARCH AT THE UCLA SCHOOL OF MEDICINE

Because of its newness the UCLA School of Medicine has faced unique problems in carrying out its cardiovascular research program. It should be noted that all of the departments in the school have become consolidated under one roof only in the past year. Because of this fact, much of the work that has already been accomplished has been done in conjunction with affiliated institutions such as the Long Beach Veterans Administration Hospital, Sawtelle Veterans Administration Hospital, Harbor Hospital, and St. John's Hospital in Santa Monica. Since moving into the new medical center efforts have been made to continue the programs already established at these affiliated institutions. It is a great credit to the affiliated institutions that they have made it possible for the UCLA faculty to accomplish a great deal despite the lack of separate facilities.

The present cardiovascular research program embraces a wide variety of approaches ranging from basic studies at the cellular level to clinical studies on diseased patients. These investigations have encompassed the behavior of capillaries, arteries and veins, the behavior of the heart muscle itself and the various influences which alter its function, the basic nature of the disease processes which afflict the heart and blood vessels, careful investigations of patients actually suffering from these diseases and finally, the development of better methods of diagnosis and treatment. The work has been carried out in almost all the departments of the medical school and has already yielded a remarkably large body of new information which is summarized in Appendix A. This bibliography is limited to work done at UCLA during the seven years of its existence. It will be noted that research done in this

1171661

UNIVERSITY OF CALIFORNIA		University of California at Los Angeles University Archives
SERIES TITLE Chancellor's Office		
Administrative Subject Files of Franklin Murphy		
401		COPY
73		
MED. Cardiovascular Research Laboratory, 1952-1962		
2/4		
Susan Storch 3/23/95		

B-1

APPENDIX B

CURRENT RESEARCH PROJECTS RELATING TO THE CARDIOVASCULAR SYSTEM

Physiology

- William Whalen  
The Efficiency of the Heart at Various Rates and Lengths.
- Ralph R. Sonnenschein  
Mechanism of Cutaneous Flare with Reference to Cutaneous Axon Reflexes.  
  
Mechanisms of Regulation of Regional Blood Flow to the Brain.
- Robert E. Smith  
Relation of Mitochondrial System to Metabolism and Total Body Size, Age, and Sex.  
  
Biochemical and Morphological Changes in Liver Mitochondrial of Irradiated Rats.
- Allan Hemingway  
A Study of the Pulmonary Circulation in Pneumothorax.
- Victor Hall  
Venous Responses to Lowered Blood Oxygen Content.

Physiological Chemistry

- William Clark  
A Search for Competitive Inhibitors of the Synthesis of Epinephrine and Non-epinephrine.
- Sam Hashimoto  
The Determination of Unsaturated Fatty Acids in Cholesterol Esters.
- James F. Mead  
Transport of Serum Lipids Using  $C^{14}$  labelled Fatty Acids.

Anatomy

- Robert D. Tschirgi  
The Control of Electrolyte Exchange between Plasma and Extravascular Fluids of the Central Nervous System.
- Carmine D. Clemente  
Central Receptor Sites to Vascular Hypertonicity.
- Daniel C. Pease  
Electron Microscopy of the Vascular System.

1171662

UNIVERSITY SOURCE	University of California at Los Angeles University Archives
FORMER TITLE	Chancellor's Office
ADMINISTRATIVE SUBJECT FILES OF FRANKLIN MURPHY	Administrative Subject Files of Franklin Murphy
401	COPY
73	
FOR OTHER NAME	MED. Cardiovascular Research Laboratory, 1952-1962
3/4	
SUSAN STORCH	3/23/95

B-2

APPENDIX B (Continued)

Anatomy (Continued)

- Keith F. Killam  
The Effects of Psychotherapeutic Drugs in Cardiovascular Diseases.
- G. R. Fuller  
The Hypothalamus and Renal Function, A Basic Cardiovascular Study.
- Karl M. Knigge  
Endocrine Interrelationships Operating in the Renal Hypertrophy and Renal Damage Produced by Adrenocortical Hormones.

Pathology

- W. Jann Brown  
Anatomical and Physiological Effects of Cerebral Anoxia.
- Baldwin G. Lamson  
Effects of Chronic and Acute Whole-Body Ionizing Radiation Exposure on Occurrence of Cardiovascular Renal Lesions.
- Harrison Latta  
Effect on Solubility, Molecular Size, and Electronic Change of Human Serum Albumin and Bovine Serum Gamma Globulin Produced by Conjugation with Acriflavin or Evans' Blue.  
  
The Behavior of Azo-albumins and Azo-globulins in the Kidney.  
  
Mechanism of Action of Antibodies on Isolated Heart Fibroblasts.
- Sidney C. Madden and Louis J. Zeldis  
Protein Synthesis as Related to Morphologic Cell Constituents and Influenced by Disturbance of Nitrogen Equilibrium.

Infectious Diseases

- Charles Carpenter  
Microbiologic Flora of Blood from Normal Individuals and Patients.  
  
Studies of Cardiovascular Disease in Guinea Pigs with Experimental Brucellosis.  
  
A Study of Dermal Sensitivity Among Patients with Cardiovascular Disease.

Surgery

- James V. Maloney, Jr., and Donald G. Mulder  
Continued Development and Perfection of Devices for Extra-Corporeal Circulation and Studies of the Body's Response to Artificial Circulation.

1171663

UNIVERSITY SERIES		University of California at Los Angeles University Archives
SERIES TITLE	Chancellor's Office	
Administrative Subject Files of Franklin Murphy		
FILE NUMBER	401	
BOX NUMBER	73	
COLLECTION NAME	MED. Cardiovascular Research Laboratory, 1952-1962	
DATE	p. 4/4	
BY	Susan Storch 3/23/95	

COPY

APPENDIX B (Continued)

B-6

Radiology (Continued)

Leslie R. Bennett  
The Effects of Radiation on Vascular Tissues of Kidney and Brains.  
The Determination of Blood Flow by Means of Isotopic Tracer Methods.

Moses Greenfield  
Physical Studies on the Elasticity of Blood Vessels.

Franz Bauer  
Measurement of Peripheral Circulation by Means of Disappearance  
Rate of Intramuscularly Injected Isotopes.

Biophysics

W. A. Selle and R. Gunter  
Study of Cerebral Anoxia Produced by Ligation of the Common  
Carotids with and without Simultaneous Ligation of the Basilar  
Artery and Subjection to Atmospheres Low in Oxygen.

1171664