

# G. D. Hsiung papers

Ms Coll 48



Ariel Pomputius and Toby A. Appel with the assistance of Dr. John Booss

2016

Yale University  
333 Cedar St.  
New Haven, CT 06520-8014  
203-737-1192  
203-785-5636  
historical.library@yale.edu  
<http://historical.medicine.yale.edu/>

## Table of Contents

Collection Overview .....	4
Requesting Instructions .....	4
Administrative Information .....	4
Immediate Source of Acquisition .....	4
Custodial History .....	5
Conditions Governing Access .....	5
Conditions Governing Use .....	5
Preferred Citation .....	5
Biographical / Historical .....	5
Scope and Contents .....	5
Arrangement .....	6
Collection Contents .....	7
Series I: Appointments and General Professional .....	7
Series II: Correspondence .....	10
Subseries 1: People .....	10
Subseries 2: Institutions/Organizations .....	14
Subseries 3: Topic .....	15
Series III: Yale School of Medicine, Department of Laboratory Medicine .....	16
Subseries 1: Virology Courses for Yale School of Medicine, 1969-1987 .....	16
Subseries 2: Laboratory Medicine Residency Program, 1977-1988 .....	17
Subseries 3: Post-doctoral Fellows .....	17
Subseries 4: Wallace Rowe Clinical Virology Lectureship, 1983-1990 .....	18
Subseries 5: Other Yale-related .....	18
Series IV: Veterans Administration Medical Center, West Haven .....	19
Subseries 1: Internal memoranda by G. D. Hsiung and others, 1974-1990 .....	19
Subseries 2: Medical Virology Seminar .....	19
Subseries 3: VAMC Annual Investigator Reports .....	20
Subseries 4: Budget .....	20
Subseries 5: Merit Reviews of VA-Funded Research Projects, 1967-1990 .....	21
Subseries 6: Grants .....	21
Subseries 7: NIH Contracts .....	22
Subseries 8: Diagnostic Virology Postgraduate Courses/Workshops, 1962-1979 .....	23
Series V: Virology Reference Laboratory, 1977-1993 .....	27
Subseries 1: Proposal and operation of the VRL, 1979-1993 .....	27
Subseries 2: Survey of VA Medical Centers, 1982 .....	28
Series VI: Abstracts, Presentations, and Workshops .....	30
Subseries 1: Abstracts, 1955-1990 .....	30
Subseries 2: Presentations/Lectures, 1956-1997 .....	30
Subseries 3: Workshops, 1975-1997 .....	34
Series VII: Conferences/Meetings .....	38
Series VIII: Published Articles/Reprints, 1950-2006 .....	40
Series IX: Manuscripts .....	42
Subseries 1: Submitted Articles .....	42
Subseries 2: <i>Mysteries and Miracles</i> (1995) .....	45
Subseries 3: Diagnostic Virology .....	45
Subseries 4: Photographs for publications .....	46
Series X: Miscellaneous .....	48
Subseries 1: Photograph books/scrapbooks of people and conferences .....	48
Becton-Dickinson Award scrapbook, 1983-1986 .....	48
Subseries 2: Other .....	49
Series XI: Research materials .....	51

Subseries 1: Laboratory Research Procedures .....	51
Subseries 2: Experiments, 1956-1997 .....	52
Subseries 3: Data Record Books and Laboratory Log Books .....	59
Laboratory notebooks on Guinea Pig Herpes-Like Virus (GPHLV), 1979-1988 .....	59
Laboratory notebooks on Guinea Pig CMV, HIV, and AZT, 1988-1991 .....	60
Laboratory log books on the running of the Virology Laboratory .....	60
Subseries 4: Additional Research Materials .....	60
Selected Search Terms .....	66

---

## Collection Overview

**REPOSITORY:** Medical Historical Library, Cushing/Whitney Medical Library  
Yale University  
333 Cedar St.  
New Haven, CT 06520-8014  
203-737-1192  
203-785-5636  
historical.library@yale.edu  
<http://historical.medicine.yale.edu/>

**CALL NUMBER:** Ms Coll 48

**CREATOR:** Hsiung, G. D. (Gueh Djen), 1918-

**TITLE:** G. D. Hsiung papers

**DATES:** 1950-2006

**PHYSICAL DESCRIPTION:** 56 boxes

**LANGUAGE:** Mostly in English, occasional Chinese.

**SUMMARY:** G. D. (Edith) Hsiung was head of the Virology Laboratory at the Veterans Administration Medical Center, founder and director of the national Viral Reference Laboratory for the VA, and professor in the Department of Laboratory Medicine at Yale. The collection includes correspondence, descriptions of her courses and special workshops, presentations, scrapbooks, photographs, reprints of articles, laboratory notebooks, and research manuscripts.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/med.ms.0048>

---

## Requesting Instructions

To request items from this collection for use on site, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/med.ms.0048>.

Key to the container abbreviations used in the PDF finding aid:

b. box  
f. folder

---

## Administrative Information

---

### Immediate Source of Acquisition

From the estate of G. D. Hsiung, donated by her grand-niece, Zhe Zhao, Troy, Michigan, through the intermediary of Dr. Hsiung's former student, Dr. John Booss, 2014.

---

## Custodial History

Most of these materials were from G. D. Hsiung's office in the Veterans Administration Medical Center, West Haven, Connecticut.

---

## Conditions Governing Access

The materials are generally open for research, but occasional material on patients is subject to review by the Librarian for Medical History.

---

## Conditions Governing Use

Yale does not own copyright to most of these materials.

---

## Preferred Citation

G. D. Hsiung Papers, Historical Library, Cushing/Whitney Medical Library, Yale University

---

## Biographical / Historical

Gueh Djen (Edith) Hsiung was a pioneer in establishing the field of diagnostic virology. She spent almost her entire career at Yale and the affiliated Veterans Medical Center in West Haven. Born in Hubei, China, Dr. Hsiung graduated from Ginling College in Chengdu, China. World War II intervened in her plan to attend medical school. After the war, she moved to the United States where she obtained her Ph.D. in microbiology at Michigan State University. She came to Yale in 1953, initially as a postdoctoral student working with Dr. Joseph Melnick on poliovirus and related enteroviruses. In 1960, she was appointed the first director of the Virology Laboratory at Grace-New Haven Hospital. The first of four editions of her textbook, *Diagnostic Virology*, appeared in 1964. In 1967, she became chief of the Virology Research Laboratory at the Veterans Administration Medical Center in West Haven and a professor in the Department of Laboratory Medicine at Yale. As a result of her initiatives, the national Virology Reference Laboratory of the Veterans Administration was founded in 1985 at the VA Medical Center in West Haven and she became its first director. Through her intensive diagnostic virology courses and workshops in the United States and in Taiwan, she trained generations of researchers. She developed new laboratory methods of cell culture in order to find, identify, and study the behavior of viruses. She also developed animal models, especially the guinea pig, to study viral pathogenesis and test treatments by antivirals. In the late 1980s and early 1990s, she worked on antivirals for HIV. Dr. Hsiung received many awards, among them the Becton-Dickinson Award from the American Society for Microbiology in 1983. She published a scientific autobiography, *Mysteries and Miracles*, in 1995.

---

## Scope and Contents

The papers contain Hsiung's curriculum vitae; materials related to her awards; correspondence; materials on her courses at Yale and the VA; and documentation of her intensive special workshops on diagnostic virology, including the workshops she gave in Taiwan; the establishment and work of the Virology Reference Laboratory at the VA; scrapbooks mainly from professional meetings and workshops; published articles; manuscript articles; experimental notebooks from her Laboratory at the VA; data and notes on research projects; additional photographs from meetings and workshops; and hundreds of photographs, diagrams, slides, and electromicrographs from her research.

## **Arrangement**

Organized into 11 series: 1. Appointments and General Professional. 2. Correspondence. 3. Yale School of Medicine, Department of Laboratory Medicine. 4. Veterans Administration Medical Center, West Haven. 5. Virology Reference Laboratory. 6. Abstracts, Presentations, and Workshops. 7. Conferences/Meetings. 8. Published Articles/Reprints. 9. Manuscripts. 10. Miscellaneous. 11. Research Materials.

## Collection Contents

### Series I: Appointments and General Professional

b. 1, f. 1	Ginling College (Chengtu, China) Certificates that G. D. Hsiung graduated from Ginling College in 1942.	1945
b. 1, f. 2	Michigan State University Transcripts from Michigan State College.	1951
b. 1, f. 3	Copy of Certificate of Naturalization, 1961	
b. 1, f. 4	Veterans Administration Hospital, Manhattan, and New York University Correspondence concerning G. D. Hsiung's appointment as chief of the Virology Laboratory at the Veterans Administration Hospital in Manhattan and a member of the faculty at the New York University Medical Center. Hsiung returned to the New Haven area when she was named chief of the Virology Laboratory at the VA medical Center, West Haven in 1967. Through this stint in New York, Hsiung retained ties with the Department of Epidemiology and Public Health at Yale.	1965-1967
b. 1, f. 5	Yale University Appointments and promotions. Hsiung arrived at Yale in 1953 as a postdoctoral student of Joseph L. Melnick, and stayed on. She was then associated with the Section of Epidemiology of the Department of Internal Medicine under John R. Paul, later the Department of Epidemiology and Public Health. From 1960-1965, she served as head of the Virology Laboratory at Grace-New Haven Community Hospital. After coming back to the New Haven area in 1967, she became an associate professor in the Department of Laboratory Medicine and, in 1974, a full professor.	1960-1974
b. 1, f. 6	VAMC Research Career Scientist Appointments as Research Career Scientist at the Veterans Administration Medical Center, West Haven.	1977-1987
b. 1, f. 7	VAMC Research Career Scientist	1987-1995
b. 1, f. 8	VAMC Employment Records	1965-1995
b. 1, f. 9	VAMC Performance Appraisals	1979-1984
b. 1, f. 10	VAMC Retirement	1994
b. 1, f. 11	Curriculum Vitae	1965-1966
b. 1, f. 12	Curriculum Vitae	1979 and 1980
b. 1, f. 13	Curriculum Vitae	1987
b. 1, f. 14	Curriculum Vitae	1993
b. 1, f. 15	Federal Woman of the Year Award This was a local rather than a national award.	1975

b. 1, f. 16	<p>VA Research Career Scientist</p> <p>Hsiung was selected as one of twelve scientists in the country for the newly created "VA Research Career Scientist." These were awarded to non-clinical research scientists in the VA system "based upon a continuous high level of capacity and excellence, both in personal research and interactive activities." Folder contains news releases, copy of a newspaper article, and drafts. See also folders 6 and 7.</p>	1978
b. 1, f. 17	<p>William S. Middleton Award nomination</p> <p>Nominations of Hsiung for an award given by the Veterans Administration for a biomedical researcher on the staff. Hsiung did not win the award</p>	1979
b. 1, f. 18	<p>Becton-Dickinson Award</p> <p>Nominations of Hsiung for the Becton-Dickson Award in Clinical Microbiology given by the American Society for Microbiology. See also Box 35, Hsiung's (disbound) scrapbook on the award presented to her at the annual meeting of the American Society for Microbiology in 1983.</p>	1982-1983
b. 1, f. 19	<p>Burroughs-Wellcome Diagnostic Award from the Pan American Group for Rapid Viral Diagnosis</p>	1988
b. 1, f. 20	<p>Honorary Degree from Michigan State University</p> <p>Nominations and correspondence. Hsiung was awarded the honorary degree in 1989.</p>	1988-1989
b. 1, f. 21	<p>Major Contributions to Research</p> <p>Hsiung's own account of her major research interests and accomplishments, 1967 and ca. 1988, and a manuscript "Diagnostic Virology: Half a Century of Research and Development," ca. 2002. Folders 5-20 on awards also summarize G. D. Hsiung's accomplishments.</p>	
b. 1, f. 22	<p>Travel Requests -- Taiwan</p> <p>Request to the VA for Hsiung to participate in a Yale-in-China delegation to visit medical institutions in the People's Republic of China.</p>	1980
b. 1, f. 23	<p>Travel Requests -- Hubei, Taiwan</p> <p>Request to the VA for leave to "direct an advanced course in medical and experimental virology in Hubei Medical College in Wuhan, Hubei, People's Republic of China." Includes course schedule.</p>	1982
b. 1, f. 24	<p>Travel Requests -- Hubei, Taiwan</p> <p>Request to attend two virology meetings in Japan and to conduct a virology workshop at Hubei Medical College.</p>	1984
b. 1, f. 25	<p>Travel Requests -- Hubei, Taiwan, and Beijing, China</p>	1985
b. 1, f. 26	<p>Travel Requests -- Hubei, Taiwan</p>	1986
b. 1, f. 27	<p>Addresses where Hsiung lived from 1937 on</p>	
b. 1, f. 28	<p>Materials about Gueh-Djen (Edith) Hsiung</p> <p>Includes poems on G. D. Hsiung by John Rodman Paul, 1960, and by Edwin D. Kilbourne, 1988; programs of symposia in G. D. Hsiung's honor for her 70th and 80th birthdays; advertisements for her books; and autobiographical material.</p>	



b. 1, f. 29      Obituaries of G. D. Hsiung      2006  
Includes the program for Hsiung's memorial service at Yale with a brief biography,  
and a longer obituary by Marie L. Landry.

---

**Series II: Correspondence**

## Subseries 1: People

b. 2, f. 1	Anderson, Christine A.	
b. 2, f. 2	Angeletti, Joseph J. (Jay)	
b. 2, f. 3	August, Marilyn	
b. 2, f. 4	Bailey, David N.	
b. 2, f. 5	Balkovic, Edward S.	
b. 2, f. 6	Barr, Charles	
b. 2, f. 7	Berlin, Byron S. (Michigan Department of Public Health)	
b. 2, f. 8	Bhatt, Pravin	
b. 2, f. 9	Bia, Frank	
b. 2, f. 10	Brady, Thomas G.	
b. 2, f. 11	Brozna, John	
b. 2, f. 12	Chan, Veronica (Institute of Public Health, Manila, Philippines)	1984-1989
b. 2, f. 13	Chan, Veronica (Institute of Public Health, Manila, Philippines)	1990-1996
b. 2, f. 14	Chang, Te-Wen	
b. 2, f. 15	Chen, Bo Quan	
b. 2, f. 16	Chen, Chun-Ming	
b. 2, f. 17	Chen, Hongshan	
b. 2, f. 18	Chen, Man (Maud)	
b. 2, f. 19	Chen, Minzhang (Ministry of Public Health, China)	
b. 2, f. 20	Cheng, Yung-Chi (Tommy)	
b. 2, f. 21	Chernesky, Max A.	
b. 2, f. 22	Chien, Shu	
b. 2, f. 23	Ching, Li	
b. 2, f. 24	Chiocco, Dorian	
b. 2, f. 25	Chou, David Ting-Chao	
b. 2, f. 26	Chow, Tina	
b. 2, f. 27	Chu, C.M.	
b. 2, f. 28	Chu, Shih-Hsi	

## Subseries 1: People (continued)

b. 2, f. 29	Costa-Giomi, Patricia	
b. 2, f. 30	Crewe-Brown, Heather H.	
b. 3, f. 1	Deppert, Wolfgang	
b. 3, f. 2	Dodgson, Jerry (Michigan State University Hsiung-Kimball Scholarship)	
b. 3, f. 3	Donabedian, Richard K.	
b. 3, f. 4	Doong, Shin-Liang	
b. 3, f. 5	Dowler, Kenneth W.	
b. 3, f. 6	Drach, John C.	
b. 3, f. 7	Duan, Shen-Cheng	
b. 3, f. 8	Eggers, Hans J.	
b. 3, f. 9	Evans, Alfred	
b. 2, f. 10	Fang, Yi-Lan	
b. 3, f. 11	Feng, Chio-Sung	
b. 3, f. 12	Feng, JueSun	
b. 3, f. 13	Fong-Cheng, Caroline	
b. 3, f. 14	Forsgren, Marianne	
b. 3, f. 15	Franchini, Genoveffa	
b. 3, f. 16	Galasso, George J.	
b. 3, f. 17	Gonzalez, Aldo	
b. 3, f. 18	Green, Robert H.	
b. 3, f. 19	Gu, Fang-Zhou	
b. 3, f. 20	Gu, Zhi-Yuan	
b. 4, f. 1	Hirsch, Martin S.	
b. 4, f. 2	Ho, David H.	
b. 4, f. 3	Hsiang, Chin-Min (Hubei Medical College)	1981-1982
b. 4, f. 4	Hsiang, Chin-Min (Hubei Medical College)	1983-1993
b. 4, f. 5	Hu, Jian-Ming (James)	
b. 4, f. 6	Huang, Eng-Shang (Alice)	
b. 4, f. 7	Huang, Ken-Yen (National Cheng Kung University)	
b. 4, f. 8	Hung, Tao	

## Subseries 1: People (continued)

b. 4, f. 9	Jatlow, Peter
b. 4, f. 10	Kaplow, Leonard S.
b. 4, f. 11	Keller, Evelyn W.
b. 4, f. 12	Kiang, David
b. 4, f. 13	Kimsey, Paul B.
b. 4, f. 14	King, Chwan-Chuen
b. 4, f. 15	Komolafe, Olumuyiwa O.
b. 4, f. 16	Kraiselburd, Edmundo
b. 4, f. 17	Landry, Marie L.
b. 4, f. 18	Leary, Jeffry J.
b. 4, f. 19	Leu, Jenn-Fuh
b. 4, f. 20	Li, ShiBo
b. 4, f. 21	Ling, Ai Ee
b. 4, f. 22	Lipson, Steven M.
b. 4, f. 23	Liu, H. Mei
b. 4, f. 24	Lowe, Nicholas J.
b. 4, f. 25	Lu, Bing
b. 4, f. 26	Lucia, Helen L.
b. 5, f. 1	Mahafzah, Azmi
b. 5, f. 2	Man, Yan-Gao
b. 5, f. 3	Margalith, Miriam
b. 5, f. 4	Mayo, Donald
b. 5, f. 5	McAllister, Douglas J.
b. 5, f. 6	McIntosh, Kenneth
b. 5, f. 7	Medina, Daniel
b. 5, f. 8	Mellors, John W.
b. 5, f. 9	Melnick, Joseph L.
b. 5, f. 10	Michalski, Frank
b. 5, f. 11	Miller, Neal E.
b. 5, f. 12	Morse, Stephen S.

## Subseries 1: People (continued)

b. 5, f. 13	Murowchick, Robert E. (Yale-China Association)	
b. 5, f. 14	Myerson, David	
b. 5, f. 15	Neumann, Mark A.	
b. 2, f. 16	Oxman, Michael N.	
b. 5, f. 17	Palese, Peter	
b. 5, f. 18	Planes, Norma	
b. 5, f. 19	Plotkin, Stanley A.	
b. 5, f. 20	Relman, Arnold ( <i>New England Journal of Medicine</i> )	1986
b. 5, f. 21	Richman, Douglas D.	
b. 5, f. 22	Riker, Donald (Vicks Research Center)	
b. 5, f. 23	Schneider, Barbara	
b. 5, f. 24	Seligson, David	
b. 5, f. 25	Shaskan, Edward G.	
b. 5, f. 26	Shugar, David	
b. 5, f. 27	Su, Ih-Jen (National Cheng Kung University Hospital)	
b. 5, f. 28	Sun, Benjamin	
b. 5, f. 29	Swack, Norman	
b. 5, f. 30	Tian, Pei-Yu	
b. 5, f. 31	Travers, Eleanor M.	
b. 5, f. 32	Tung, Mary Beth (Lerner-Tung, Mary)	
b. 6, f. 1	Wang, Ai-Xia	
b. 6, f. 2	Wang, Fang	
b. 6, f. 3	Wang, Jen Ren Correspondence mostly related to the International Symposium on Diagnosis of Viral and Chlamydial Infections to be held in 1996 in Tainan, Taiwan.	1993-1994
b. 6, f. 4	Wang, Jen Ren	1995-1996
b. 6, f. 5	Wang, Lin	
b. 6, f. 6	Wang, Yng-Fu (Roger)	
b. 6, f. 7	Winship, Thomas	
b. 6, f. 8	Wu, Hwa-Lin	

## Subseries 1: People (continued)

b. 6, f. 9	Wu, Jium-Shyan	
b. 6, f. 10	Wu, Whei-Kuo	
b. 6, f. 11	Yan, Jing-Jon	
b. 6, f. 12	Yang, Czau-Siung	
b. 6, f. 13	Yang, Jiaqi (Hubei Medical College)	
b. 6, f. 14	Young, Delano V.	
b. 6, f. 15	Yu, ShuKan	
b. 6, f. 16	Yuan, May	
b. 6, f. 17	Zeng, Yi (Chinese Academy of Preventative Medicine)	
b. 6, f. 18	Zhang, Qi-Guang	
b. 6, f. 19	Zhao, Lien-San	
b. 6, f. 20	Zheng, Zhi-Ming (Thomas)	1982-1985
b. 6, f. 21	Zheng, Zhi-Ming (Thomas)	1986
b. 6, f. 22	Zheng, Zhi-Ming (Thomas)	1987-1997
b. 6, f. 23	Zhong-Yuan, Ren (Tianjin Medical College)	
b. 6, f. 24	Zhou, Ming-Xing	
b. 6, f. 25	Miscellaneous A-Z Contains letters from: Hoard Alliger, Sofronio S. Agustin, Jane Bishop, Philip K. Bondy, Jill Crouch, Paul Feorino, Robert J. Fredericks, Richard L. Heberling, Ruth L. Kirschstein, W. T. Liu, W.T. J. Steven McDougal, Frederick W. Miller, Raphael Pappo, D. H. Percy, Paul R. Raymond, Axel Rethwilm, V. Fay Righthand, W. C. Russell, David I. Scheer, Paul Skolnik, Mingquan Suksanong, and Ying Pukang	

## Subseries 2: Institutions/Organizations

b. 7, f. 1	302 Hospital (Beijing, China)
b. 7, f. 2	American Association of Bioanalysis (Missouri, USA)
b. 7, f. 3	American Board of Medical Microbiology Exam Questions
b. 7, f. 4	American Society for Microbiology
b. 7, f. 5	American Society for Microbiology: Becton-Dickinson Award Committee
b. 7, f. 6	Bion Enterprises, Ltd. (Illinois, USA)
b. 7, f. 7	Capital Institute of Pediatrics (Beijing, China)
b. 7, f. 8	Chinese Society for Medical Virology Includes correspondence with Tao Hung.

## Subseries 2: Institutions/Organizations (continued)

b. 7, f. 9	Department of Laboratory Medicine, Yale School of Medicine
b. 7, f. 10	Federation of American Societies for Experimental Biology
b. 7, f. 11	Hubei Medical College (Hubei, China)
b. 7, f. 12	Hunan Medical College (Hunan, China)
b. 7, f. 13	Institute of Materia Medica, Chinese Academy of Medical Sciences (Beijing, China)
b. 7, f. 14	Lanzhou Institute of Biological Products (Gansu, China)
b. 7, f. 15	Memorial Sloan-Kettering Cancer Center (New York, USA)
b. 7, f. 16	Norman Bethune University of Medical Sciences (Jilin, China) Contains correspondence from Zhichao Cai.
b. 7, f. 17	Pan American Group for Rapid Viral Diagnosis Includes correspondence with Stanley A. Plotkin.
b. 7, f. 18	Peking Union Medical College (Beijing, China)
b. 8, f. 1	Research Institute for Tropical Medicine (Manila, Philippines)
b. 8, f. 2	Scandinavian Societies of Pathology and Microbiology
b. 8, f. 3	St. Jude's Children's Hospital (Tennessee, USA)
b. 8, f. 4	U.S. Civil Service Commission
b. 8, f. 5	Veterans Administration Medical Centers
b. 8, f. 6	West China University of Medical Sciences (Sichuan, China)
b. 8, f. 7	"Who's Who" Requests
b. 8, f. 8	Wuhan University (Hubei, Taiwan)
b. 8, f. 9	Xinjiang Medical College (Xinjiang, China)
b. 8, f. 10	Yale-China Association
b. 8, f. 11	Yale University (Professors: Retirements and Honors) Honors, named symposia, retirements, and memorial services of other Yale faculty members including Robert M. Donaldson, Jr., David Kessler, Frank Black, Mrs. Young Soo Park, Pravin N. Bhatt, Joseph Bove, Edward Adelberg, Wilbur G. Downs, Elias E. Manuelidis, and Leon Rosenberg.
b. 8, f. 12	Miscellaneous Institutions/Organizations A-Z
Subseries 3: Topic	
b. 8, f. 13	Guinea Pig Herpesvirus
b. 8, f. 14	Parainfluenza Type 5/SV5-DA

## Series III: Yale School of Medicine, Department of Laboratory Medicine

### Subseries 1: Virology Courses for Yale School of Medicine

1969-1987

At first G. D. (Edith) Hsiung taught elective courses on medical virology to Yale graduate and medical students. Later she was one of a number of faculty to give lectures as part of the medical curriculum in courses on Infectious Diseases (Medical Virology) and Laboratory Medicine. From 1976 to 1979, she was one of the lecturers in the course on Laboratory Medicine for second year medical students. From 1980 to 1987, she gave the lead lecture in a course on Medical Virology organized by the Department of Laboratory Medicine. Folders contain correspondence, course curricula, her lectures, and laboratory exercises.

b. 9, f. 1	Methods in Medical Virology	1969-1970
b. 9, f. 2	Methods in Medical Virology	1972
b. 9, f. 3	Infectious Diseases (Viruses)	1973
b. 9, f. 4	Methods in Medical Virology	1974
b. 9, f. 5	Virology Course	1975
b. 9, f. 6	Infectious Diseases (Viruses) and Laboratory Medicine	1976
b. 9, f. 7	Laboratory Medicine	1977
b. 9, f. 8	Laboratory Medicine	1978
b. 9, f. 9	Laboratory Medicine	1979
b. 9, f. 10	Medical Virology Curriculum Contains correspondence regarding the 1980 course.	1980
b. 9, f. 11	Medical Virology Lectures	1980
b. 9, f. 12	Medical Virology Laboratory Exercises	1980
b. 9, f. 13	Medical Virology Curriculum/Correspondence	1981
b. 9, f. 14	Medical Virology Lectures	1981
b. 9, f. 15	Medical Virology Laboratory Exercises	1981
b. 9, f. 16	Medical Virology Curriculum/Correspondence	1982
b. 9, f. 17	Medical Virology Lectures, Part I	1982
b. 9, f. 18	Medical Virology Lectures, Part II	1982
b. 9, f. 19	Medical Virology Laboratory Exercises	1982
b. 9, f. 20	Medical Virology Curriculum/Correspondence	1983
b. 9, f. 21	Medical Virology Lectures, Part I	1983
b. 9, f. 22	Medical Virology Lectures, Part II	1983
b. 9, f. 23	Medical Virology Laboratory Exercises	1983



Subseries 1: Virology Courses for Yale School of Medicine (continued)

b. 10, f. 1	Medical Virology Curriculum	1984
b. 10, f. 2	Medical Virology Laboratory Exercises	1984
b. 10, f. 3	Medical Virology Curriculum/Lectures	1985
b. 10, f. 4	Medical Virology Laboratory Exercises	1985
b. 10, f. 5	Medical Virology Curriculum/Lectures	1986
b. 10, f. 6	Medical Virology Curriculum/Lectures	1987
b. 10, f. 7	Medical Virology Laboratory Exercises	1987
	<b>Subseries 2: Laboratory Medicine Residency Program</b>	<b>1977-1988</b>
	G. D. Hsiung took part in the "Yale-VA Integrated Clinical Pathology Residency Program." Residents in Laboratory Medicine participated in conferences and symposia held both at Yale School of Medicine and at the VA Hospital in West Haven. Residents did a rotation at the VA Hospital. Folders may include the names of residents, a list of lectures for residents, and information on what residents needed to learn.	
b. 10, f. 8	Residency Program	1977-1978
b. 10, f. 9	Residency Program	1981-1982
b. 10, f. 10	Residency Program	1984-1985
b. 10, f. 11	Residency Program	1985-1986
b. 10, f. 12	Residency Program	1986-1987
b. 10, f. 13	Residency Program	1987-1988
	Contains a copy of "Department of Laboratory Medicine, Resident Review of the Residency Program, 1987-1988," with Hsiung's comments in pencil.	
b. 10, f. 14	Residency Program	1988-1989
b. 10, f. 15	Residency Program	1989-1990
b. 10, f. 16	Residency Program	1992-1993
	<b>Subseries 3: Post-doctoral Fellows</b>	
b. 10, f. 17	List of past and present Post-Doctoral Fellows, 1962-1979	1979
	Presumably these were post-doctoral fellows at Yale or associated institutions. The list was organized by year of training period, including each fellow's name and degrees, source of support, and current position.	
b. 10, f. 18	"Residents and Postdoctoral Fellows in Clinical Laboratories for 1980-81"	1980 July 8
	Brief biographical information on seven individuals including birth date, degrees, and former positions.	
b. 10, f. 19	Postdoctoral fellows, 1985-1986, 1986-1987, and 1987-1988	

	Subseries 4: Wallace Rowe Clinical Virology Lectureship	1983-1990
	Wallace P. Rowe (1926-1983) was a pioneer in clinical virology, "internationally known for his research on the molecular biology and genetics of tumor viruses and recombinant DNA." He had lectured in the post-graduate course in clinical virology at Yale since 1966. A clinical virology symposium was held honoring him on September 15, 1983. An annual lecture series at Yale was established in his name in 1985 with funding by the Vicks Research Center, Shelton, Conn. Hsiung played a major role in founding the lecture series and she introduced the earliest lecturers.	
b. 10, f. 20	Correspondence, 1983, and biographical material on Wallace Rowe	
b. 10, f. 21	Wallace Rowe Clinical Virology Lectureship The first annual lecture was given by Jack Gwaltney, Jr. on November 8, 1985. The folder includes a lecture poster, Hsiung's introduction of the speaker, and Hsiung's correspondence, 1985.	1985
b. 10, f. 22	Wallace Rowe Clinical Virology Lectureship The second Wallace Rowe Lecture was presented on March 20, 1987 by Richard Colonno, M.D. The folder contains the poster for the lecture, Hsiung's introduction, her correspondence, 1986-1987, and the CV of the speaker.	1987
b. 10, f. 23	Wallace Rowe Clinical Virology Lecture The third Wallace Rowe lecture was presented by Martin S. Hirsch, M.D. on November 9, 1990. The folder contains correspondence of Hsiung and John Booss, and the lecture poster.	1990
	Subseries 5: Other Yale-related	
b. 10, f. 24	Medical Student-Faculty Advisor Program The folder contains administrative materials on the program. The faculty member was to serve as an advisor "to an incoming first-year student through his or her term in the School of Medicine." Hsiung was an advisor to Susan Baserga, Class of 1984, and now a faculty member.	1976-1984
b. 10, f. 25	Laboratory Medicine faculty retreat Contains memoranda, an agenda, and Hsiung's notes for a Department of Laboratory Medicine retreat at the Inn at Chester, May 20, 1988.	1988
b. 10, f. 26	Agenda and minutes of the Board of Permanent Officers The Board of Permanent Officers was a faculty/administrative committee of the Yale School of Medicine.	1989 May 17
b. 10, f. 27	Yale Animal Care and Use Committee Memorandum from the Yale Provost, Edward A. Adelbert, to "All principal investigators using vertebrate animals in their research," containing guidelines, and how to refer inquiries by animal rights activists. Hsiung filled out a form stating that she and Brigitte Griffith were using 1000 guinea pigs.	1986-1988

## Series IV: Veterans Administration Medical Center, West Haven

	Subseries 1: Internal memoranda by G. D. Hsiung and others	1974-1990
	This subseries contains internal memoranda by G.D. Hsiung as Chief of the Virology Laboratory. Some are directed to higher-up staff, reporting on the work of the laboratory or on the need for supplies and personnel. Others are memos to her staff. There is also material on the Research and Education Committee of the Veterans Administration Medical Center, West Haven.	
b. 11, f. 1	Memoranda, Diagnostic Services of the Clinical Virology Laboratory	1974-1979
b. 11, f. 2	Memoranda	1979-1980
b. 11, f. 3	Memoranda, 50th Anniversary of the VAMC Contains Hsiung's memoranda to Dr. Philip Bondy on "the contributions of my research program and those of the Virology Laboratory to the Veteran's Administration," and a draft of "Summary of Dr. Hsiung's Research Accomplishments."	1980
b. 11, f. 4	Memoranda	1981-1982
b. 11, f. 5	Memoranda	1983-1985
b. 11, f. 6	Memoranda	1986
b. 11, f. 7	Memoranda	1987
b. 11, f. 8	Memoranda	1988
b. 11, f. 9	Memoranda	1989
b. 11, f. 10	Memoranda	1990
b. 11, f. 11	Form letters for postdoctoral applicants Form letters to answer inquiries about post-doctoral fellowships at the VA, and rejection letters for unsuccessful applicants. The folder also contains diagrams of the organization of the Virology Laboratory.	
	Subseries 2: Medical Virology Seminar	
	The Medical Virology Seminar was held weekly at the VA. Some of the weeks were devoted to the Journal Club and others to presentations. Folders contain lists of dates and speakers.	
b. 11, f. 12	Medical Virology Seminar	1972-1973
b. 11, f. 13	Medical Virology Seminar	1973-1974
b. 11, f. 14	Medical Virology Seminar	1974-1975
b. 11, f. 15	Medical Virology Seminar	1975-1976
b. 11, f. 16	Medical Virology Seminar	1976-1977
b. 11, f. 17	Medical Virology Seminar	1977-1978
b. 11, f. 18	Medical Virology Seminar	1978-1979
b. 11, f. 19	Medical Virology Seminar	1979-1980

Subseries 2: Medical Virology Seminar (continued)

b. 11, f. 20	Medical Virology Seminar	1980-1981
b. 11, f. 21	Medical Virology Seminar	1981-1982
b. 11, f. 22	Medical Virology Seminar	1982-1983
b. 11, f. 23	Medical Virology Seminar	1983-1984
b. 11, f. 24	Medical Virology Seminar	1984-1985
b. 11, f. 25	Medical Virology Seminar	1985-1986
b. 11, f. 26	Medical Virology Seminar	1986-1987
b. 11, f. 27	Medical Virology Seminar	1987-1988
b. 11, f. 28	Medical Virology Seminar	1988-1989

Subseries 3: VAMC Annual Investigator Reports

This sub-series contains G. D. Hsiung's annual reports to the VA Research and Development Information System, a computerized system for information about VA investigators. Hsiung's report contains lists of lectures presented and publications. Reports may contain information on the number and kinds of animals used. But the reports do not contain narrative accounts of the work of the laboratory.

b. 12, f. 1	Annual Investigator Report	1980
b. 12, f. 2	Annual Investigator Report	1982
b. 12, f. 3	Annual Investigator Report	1983
b. 12, f. 4	Annual Investigator Report	1984
b. 12, f. 5	Annual Investigator Report	1985
b. 12, f. 6	Annual Investigator Report	1986
b. 12, f. 7	Annual Investigator Report	1987

Subseries 4: Budget

b. 12, f. 8	Budget	1970-1979
b. 12, f. 9	Budget	1980
b. 12, f. 10	Budget	1981
b. 12, f. 11	Budget	1982
b. 12, f. 12	Budget	1983
b. 12, f. 13	Budget	1984
b. 12, f. 14	Budget	1985
b. 12, f. 15	Budget	1986
b. 12, f. 16	Budget	1987

Subseries 4: Budget (continued)

b. 12, f. 17	Budget	1988
b. 12, f. 18	Budget	1989
	Subseries 5: Merit Reviews of VA-Funded Research Projects These are merit reviews within the VA for funding for research projects. Folders contain proposals, reviews, occasional correspondence, and reports. There may be some overlap with Annual Reports. Folders may contain Social Security numbers.	1967-1990
b. 12, f. 19	Latent virus infections in human and non-human tissues	1967-1972
b. 12, f. 20	Latent virus Infections and viral oncogenicity--Proposal	1969
b. 12, f. 21	Latent virus infections and viral oncogenicity--Renewal	1971
b. 12, f. 22	Studies of latent virus infections and viral oncogenicity--Proposal	1973
b. 12, f. 23	Latent virus infections and viral oncogenicity--Proposal	1976
b. 12, f. 24	Latent virus infections and viral oncogenicity	1980-1981
b. 12, f. 25	The role of latent viruses as pathogens and oncogens--Proposal	1978
b. 13, f. 1	Effect of antiviral agents on genital herpes infection	1980
b. 13, f. 2	Multiple herpesvirus infections in an immunocompromised model-- Correspondence and proposal	1981
b. 13, f. 3	Multiple herpesvirus infections in an immunocompromised model-- Narrative	1981
b. 13, f. 4	Viral interactions in an immunocompromised model	1982-1985
b. 13, f. 5	Viral interactions in an immunocompromised model--Proposal	1985
b. 13, f. 6	Viral interactions in an immunocompromised model	1988-1989
b. 13, f. 7	Serologic analysis of CMV and HTLV-III antibody status - Report	1987
b. 13, f. 8	Dual infections with cytomegalovirus and retrovirus--Proposal	1990
b. 13, f. 9	Dual infections with cytomegalovirus and retrovirus--Response to review	
	Subseries 6: Grants	
b. 13, f. 10	List of Grants and Contracts, 1971-1991	
b. 13, f. 11	"The Relationship of Herpesvirus Hominis to Oral Cancer" (P.I. Norman Swack, VA Hospital) A collaborative project on studies of antibody titers in humans to Herpes Simplex Types 1 and 2	1972-1975
b. 13, f. 12	Grant Proposal to NIH: "Genital Herpes: Effect on Mother and Offspring" by Marie L. Landry, M.D. Marie Landry worked in Hsiung's laboratory at the VA. The proposal was recommended for approval but not funded.	1980-1981

Subseries 6: Grants (continued)

b. 13, f. 13	Grant proposal to NIH: "Experimental Models for CMV Infections" (2 RO1-HD10609-04) P.I. G.D. Hsiung	1980
b. 13, f. 14	Grant proposal to NIH: "Experimental Models for CMV Infections" (2 RO1-HD10609-08) P.I. Frank Bia	1985
b. 13, f. 15	NIH Grant: "Chemotherapy of HIV Infection: Ultrastructural Approaches (1 RO1 AI28241-01A1) P.I. G.D. Hsiung	1989
b. 13, f. 16	NIH Grant: "Chemotherapy of HIV Infection: Ultrastructural Approaches" (5 RO1 AI28241-03)	1990
b. 13, f. 17	NIH Grant "Chemotherapy of HIV Infection: Ultrastructural Approaches" (5 RO1 AI28241-03)	1991
b. 13, f. 18	NIH Grant "Chemotherapy of HIV Infection: Ultrastructural Approaches" (5 RO1 AI28241-03)	1992

Subseries 7: NIH Contracts

b. 14, f. 1	Collaborative Antiviral Testing Group Annual Meeting This NIH-sponsored group of contractors, known as the Collaborative Antiviral Testing Group, met annually at NIH. Their meetings were held conjunction with the CMV contractors meeting, also involving G. D. Hsiung, for "developing antiviral drugs for the treatment of cytomegalovirus infections." Both groups were concerned with developing animal models for testing.	1986-1987
b. 14, f. 2	Collaborative Antiviral Testing Group Annual Meeting	1988
b. 14, f. 3	Collaborative Antiviral Testing Group Annual Meeting	1989
b. 14, f. 4	Collaborative Antiviral Testing Group Annual Meeting	1990
b. 14, f. 5	Collaborative Antiviral Testing Group Annual Meeting	1991
b. 14, f. 6	NIH Connecticut Regional Meeting This was a regional forum in conjunction with NIH strategic planning.	1992
b. 14, f. 7	RFP-NIH-NIAID-MIDP-82-9 Hsiung's proposal, "Multiple Herpesvirus Infections in an Immunocompromised Model," was in response to an NIH RFP (Request for proposal) under the heading, "Application of Biophysical, Biochemical, Immunologic, and Molecular Virologic Techniques to Rapid Viral Diagnosis." Folder includes photographs.	1981
b. 14, f. 8	RFP-NIH-NIAID-MIDP-86-4 Hsiung's proposal for the project "Animal Models for Antiviral Evaluation" was in response to an NIH RFP. She obtained the contract N01-A1-62519.	1985
b. 14, f. 9	NIH Contract NOI-AI-62519, Report for December 1, 1985-May 30, 1986	
b. 14, f. 10	NIH Contract NOI-AI-62519, Report for December 1, 1985-November 30, 1986	
b. 14, f. 11	NIH Contract NOI-AI-62519, Report for December 1, 1986-November 30, 1987	
b. 14, f. 12	NIH Contract NOI-AI-62519, Report for April 1987-December 1987	

Subseries 7: NIH Contracts (continued)

b. 14, f. 13	NIH Contract NOI-AI-62519, Report for December 1, 1987-November 30, 1988	
b. 14, f. 14	NIH Contract NOI-AI-62519, Report for May 1, 1988-April 30, 1989	
b. 14, f. 15	NIH Contract NOI-AI-62519, Report for May 1, 1989-December 1, 1989	
b. 14, f. 16	NIH Contract NOI-AI-62519, Report for December 1, 1989-May 1, 1990	
b. 14, f. 17	NIH Contract NOI-AI-62519, Report for December 1, 1989-November 30, 1990	
b. 14, f. 18	NIH Contract NOI-AI-62519, Report for December 1, 1990-July 30, 1991	
b. 14, f. 19	NIH Contract NOI-AI-62519, Report for December 1, 1990-November 30, 1991	
b. 14, f. 20	NIH Contract NOI-AI-62519, Final Technical Report, December 30, 1991	
b. 14, f. 21	RFP NIH-NIAID-DMID-91-02 This was a proposal in response to an NIH RFP under the title "Animal Models of Human Viral Infections for Evaluation of Experimental Therapeutics." Hsiung's proposal was titled "Guinea pig model of cytomegalovirus infections for evaluation of experimental therapeutics." The folder contains responses and a request for a revised proposal.	1990
Subseries 8: Diagnostic Virology Postgraduate Courses/Workshops Diagnostic Virology was a course offered to graduate students and post-doctoral fellows from 1962-1979.		1962-1979
b. 15, f. 1	Overview of Diagnostic Virology Courses, 1962-1979 Contains the title of the course, names of participants, and notes.	
b. 15, f. 2	Diagnostic Virology Course: Curriculum/Participants This was a two-week summer postgraduate course taught at Yale and directed by G. D. Hsiung. Those who were qualified to take the course could apply from around the country to attend. Folder includes a photograph of participants.	1962
b. 15, f. 3	Diagnostic Virology Course: Curriculum/Participants This was also a summer course with a variety of students, mostly not from Yale.	1963
b. 15, f. 4	Diagnostic Virology Course: Lectures, Part I Full typed text of lecture(s) with photographs pasted in.	1963
b. 15, f. 5	Diagnostic Virology Course: Lectures, Part II	1963
b. 15, f. 6	Diagnostic Virology Course: Curriculum/Participants Includes unidentified snapshots of students and teachers, some taken at a barbecue.	1964
b. 15, f. 7	Diagnostic Virology Course: Curriculum/Participants Also includes a photograph of a man teaching the class and reviews by students of the course.	1965

Subseries 8: Diagnostic Virology Postgraduate Courses/Workshops (continued)

b. 15, f. 8	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants  This summer seminar was sponsored by the New York University Post-Graduate School of Medicine and the Veterans Administration Hospital, New York, N.Y. Folder includes a photograph of participants and unidentified small headshots.	1966
b. 15, f. 9	Experimental and Diagnostic Methods in Medical Virology: Lectures  Handwritten notes.	1966
b. 15, f. 10	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises  Mostly handwritten notes.	1966
b. 15, f. 11	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants  This summer seminar was also sponsored by the New York University Post-Graduate School of Medicine and the Veterans Administration Hospital, New York, N.Y. The folder contains photographs of participants and course reviews by students.	1967
b. 15, f. 12	Experimental and Diagnostic Methods in Medical Virology: Lectures	1967
b. 15, f. 13	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1967
b. 15, f. 14	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants  This seminar was taught at Yale in May 1968 and sponsored by the Yale University School of Medicine and the Veterans Administration Hospital, West Haven. Folder includes the curriculum, applications, course reviews, and photographs of the students and teachers.	1968
b. 15, f. 15	Experimental and Diagnostic Methods in Medical Virology: Lectures	1968
b. 15, f. 16	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1968
b. 15, f. 17	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants	1969
b. 15, f. 18	Experimental and Diagnostic Methods in Medical Virology: Lectures	1969
b. 15, f. 19	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1969
b. 16, f. 1	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants  Folder contains formal and informal photographs of the class and faculty. The 1970 course was conducted in May at the VA Diagnostic Virology Laboratory in West Haven.	1970
b. 16, f. 2	Experimental and Diagnostic Methods in Medical Virology: Lectures	1970
b. 16, f. 3	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1970



Subseries 8: Diagnostic Virology Postgraduate Courses/Workshops (continued)

b. 16, f. 4	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants The 1971 course was conducted in November at the Diagnostic Virology Laboratory.	1971
b. 16, f. 5	Experimental and Diagnostic Methods in Medical Virology: Lectures	1971
b. 16, f. 6	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1971
b. 16, f. 7	Diagnostic Virology 10th Anniversary Reunion A reunion dinner for earlier participants was held at the Veterans Administration Hospital on November 11, with more speakers and a round- table on November 12. Dr. J. L. Melnick and Dr. W. P. Rowe were speakers. The folder contains correspondence, names of the participants, the program, and snapshots.	1971 November 11-12
b. 16, f. 8	Methods in Medical Virology: Curriculum The 1973 course was held in October and sponsored by the Tissue Culture Association, Inc. Continuing Education Program, Yale University School of Medicine, and the Veterans Administration Hospital, West Haven. It took place in the W. Alton Jones Cell Science Center, Lake Placid, New York.	1973
b. 16, f. 9	Methods in Medical Virology: Participants Contains the applications, the participants, a group photo with everyone identified, and snapshots.	1973
b. 16, f. 10	Methods in Medical Virology: Lectures	1973
b. 16, f. 11	Methods in Medical Virology: Presentations by Participants	1973
b. 16, f. 12	Methods in Medical Virology: Curriculum This course was held September 30-October 11, 1974 at the W. Alton Jones Cell Science Center, Lake Placid, New York.	1974
b. 16, f. 13	Methods in Medical Virology: Participants Applications, photographs, list of student reports, and comments and suggestions by participants.	1974
b. 16, f. 14	Methods in Medical Virology: Lectures	1974
b. 16, f. 15	Methods in Medical Virology: Laboratory Exercises	1974
b. 16, f. 16	Experimental and Diagnostic Methods in Medical Virology: Curriculum The 1977 course was held in June at the Veterans Administration Hospital, West Haven and was co-sponsored by Yale University School of Medicine. See also photo notebook in Box 35.	1977
b. 16, f. 17	Experimental and Diagnostic Methods in Medical Virology: Participants	1977
b. 16, f. 18	Experimental and Diagnostic Methods in Medical Virology: Lectures	1977
b. 16, f. 19	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1977

Subseries 8: Diagnostic Virology Postgraduate Courses/Workshops (continued)

b. 16, f. 20	Experimental and Diagnostic Methods in Medical Virology: Curriculum/ Participants  This was a course or symposium held at the VA from June 18-29, 1979, and featured lectures open to physicians and staff. The folder contains a list of participants, a list of lectures, formal and informal photographs, and a newspaper article featuring two scientists from China who attended the course. More photographs can be found in Box 35.	1979
b. 16, f. 21	Experimental and Diagnostic Methods in Medical Virology: Laboratory Exercises	1979

**Series V: Virology Reference Laboratory, 1977-1993**

The Virology Reference Laboratory (VRL) at the VA was created through the efforts of G.D. Hsiung. It stemmed from Hsiung's Virology Laboratory at the VA, supported by VA funds and NIH research funds administered through the Yale School of Medicine. As advances were made in identifying viruses and offering targeted therapy for viral infections, Hsiung hoped that a central VA laboratory in West Haven could serve other VA Hospitals around the country. The VRL would identify viral isolates from specimens sent in by other VA Hospitals. In the early 1980s, a survey of VA Hospitals was undertaken to assess the need of such a service (see Box 18). Hsiung was granted a trial period for a year in 1984, and in 1985 the VRL was officially established through approval and funding by the VA. Hsiung became the first director of the VRL. The VRL did research projects in addition to handling specimens. The staff investigated combination therapies used against cytomegalovirus and HIV. After Hsiung's retirement, Dr. Marie Landry became director.

Subseries 1: Proposal and operation of the VRL		1979-1993
b. 17, f. 1	Proposal for a central VA viral diagnostic laboratory	1977 January 19
b. 17, f. 2	Correspondence Includes a reprint of M. L. Landry and G. D. Hsiung, "The Virus Diagnostic Laboratory: Its Function in a VA Medical Center," Connecticut Medicine 45[7] (July 1981): 417-422, which was sent to all VA laboratories in the country.	1981-1982
b. 17, f. 3	Proposal draft	1982-1983
b. 17, f. 4	Clinical Virology Reference Laboratory	1983 January
b. 17, f. 5	Clinical Virology Diagnostic Laboratory	1983 October
b. 17, f. 6	Letters in Support of a Clinical Virology Diagnostic Laboratory Contains letters of support to Paul LeGolvan, Director, Pathology Service, VA Central Office, Washington. D.C., and letters of support, mostly from other VA hospitals to G. D. Hsiung or Leonard Kaplow, Chief, Laboratory Service, VA Medical Center, West Haven.	1983 October
b. 17, f. 7	Correspondence and notes	1983-1984
b. 17, f. 8	Correspondence	1984
b. 17, f. 9	Organization and funding	1984-1985
b. 17, f. 10	VRL opening event The opening event took place on February 22, 1985. The folder contains posters and photographs.	1985
b. 17, f. 11	Clinical Virology Newsletter	1984-1987
b. 17, f. 12	Statistics Contains some data going back to 1967.	1984-1985 and earlier
b. 17, f. 13	Monthly statistics	1986
b. 17, f. 14	Monthly statistics	1987
b. 17, f. 15	Request for Supplemental Funding	1987 March

## Subseries 1: Proposal and operation of the VRL (continued)

b. 17, f. 16	Monthly Statistics	1988
b. 17, f. 17	Monthly Statistics	1989
b. 17, f. 18	Monthly Statistics	1990-1991
b. 17, f. 19	Paper: "Research and the Establishment of a Virology Reference Laboratory: From Bench Top to Patient Care" Contains G. D. Hsiung's typed draft presented at the First Annual Chautauqua held at the VA Medical Center, White River Junction, Vermont, June 3, 1993, and submitted to <i>VA Research News</i> , July 1, 1993.	1993
b. 17, f. 20	Photographs and miscellanea	
	Subseries 2: Survey of VA Medical Centers	1982
	G.D. Hsiung sent out survey forms with a cover letter dated February 5, 1982, to all VA Medical Centers across the continental United States. The forms requested information on the hospital's current virology testing procedures, whether they had their own facilities, and if not, where diagnostic tests were done, and whether they were interested in a central VA testing facility. The folders contain the forms returned to Hsiung. Examples of the cover letter can be found in folders 18 and 19.	
b. 18, f. 1	Survey responses: Alabama-Arizona	
b. 18, f. 2	Survey responses: California-Colorado	
b. 18, f. 3	Survey responses: Florida-Georgia	
b. 18, f. 4	Survey responses: Idaho-Iowa	
b. 18, f. 5	Survey responses: Kansas-Louisiana	
b. 18, f. 6	Survey responses: Maine-Maryland	
b. 18, f. 7	Survey responses: Michigan-Minnesota	
b. 18, f. 8	Survey responses: Mississippi-Missouri	
b. 18, f. 9	Survey responses: Nebraska-North Dakota	
b. 18, f. 10	Survey responses: Ohio-Oregon	
b. 18, f. 11	Survey responses: Pennsylvania	
b. 18, f. 12	Survey responses: South Carolina-South Dakota	
b. 18, f. 13	Survey responses: Tennessee	
b. 18, f. 14	Survey responses: Texas	
b. 18, f. 15	Survey responses: Virginia Washington, D.C.	
b. 18, f. 16	Survey responses: Washington-West Virginia	
b. 18, f. 17	Survey responses: Wisconsin-Wyoming	
b. 18, f. 18	Survey Responses, Districts 1-3 Includes Massachusetts and New York.	

Subseries 2: Survey of VA Medical Centers (continued)

- |              |  |
|--------------|--|
| b. 18, f. 19 | <p>Positive Responses from VA Medical Centers,1982</p> <p>These responses contained a letter or commentary in addition to the filled-out survey. Some of these responses also included G. D. Hsiung's cover letter for the survey, dated February 5, 1982.</p> |
| b. 18, f. 20 | <p>Additional responses, some negative</p> <p>The folder contains negative responses to the survey or conflicting responses.</p>   |
| b. 18, f. 21 | <p>Summaries of responses</p> <p>This folder contains lists of positive quotes from various VA Medical Centers; "No responses and comments" from VA Medical Centers; "Hospitals with two responses" and whether they agreed; and additional statistics.</p>    |

## Series VI: Abstracts, Presentations, and Workshops

	Subseries 1: Abstracts	1955-1990
	<p>These are summaries submitted ahead of time for papers that the researcher would like to present at a scientific meeting. Usually, accepted abstracts of particular meetings were printed in an issue of a scientific journal (possibly in a Supplement) or in a more ephemeral publication by the meeting organizers. Dr. Hsiung kept her own abstracts, as well as abstracts by researchers in her laboratory, in a three ringed binder.</p>	
b. 19, f. 1	Abstract List, 1967-1982 This list includes where the abstracts were published.	
b. 19, f. 2	Abstracts This and the following folders contain the texts of abstracts.	1955-1959
b. 19, f. 3	Abstracts	1960-1964
b. 19, f. 4	Abstracts	1965-1969
b. 19, f. 5	Abstracts	1970-1971
b. 19, f. 6	Abstracts	1972-1973
b. 19, f. 7	Abstracts	1974-1975
b. 19, f. 8	Abstracts With lists of published abstracts for 1976 and 1977.	1976-1977
b. 19, f. 9	Abstracts	1978-1979
b. 19, f. 10	Abstracts	1980-1981
b. 19, f. 11	Abstracts	1982-1984
b. 19, f. 12	Abstracts	1985-1990
	Subseries 2: Presentations/Lectures	1956-1997
	<p>Most of the folders contain notes and outlines of presentations, rather than the full text of the presentations. The summary lists in folders 1-3 include mostly the more formal presentations at conferences and workshops, while later folders also include some local presentations such as at Yale or the VA. This subseries overlaps with the material in the series Conferences/Meetings.</p>	
b. 20, f. 1	List of Lectures and Presentations, 1956-1980	
b. 20, f. 2	List of Lectures and Presentations, 1981-1995	
b. 20, f. 3	List of "Invited Lectureship and/or Invited Participant for Special Study-Groups and Workshops," 1969-1979	
b. 20, f. 4	"Cytomegalovirus Infections After Renal Transplant" Presented at the NIH Workshop on Cytomegaloviruses, 1974 June 20.	1974 June

Subseries 2: Presentations/Lectures (continued)

b. 20, f. 5	<p>"Cytomegalovirus Infection: An Animal Model"</p> <p>The folder contains another outline dated January 7, 1976 for a talk on "Cytomegalovirus Infection in Man and Animals." The later presentation, dated March 11, 1976 was labelled "LABMED" and may have been a presentation for the Yale department.</p>	1976 March 11
b. 20, f. 6	<p>"Viral Diagnosis"</p> <p>Presentation for the Infectious Diseases Group, 1976 September 29</p>	1976 September
b. 20, f. 7	<p>"Viral Etiology of Cancer: Herpesvirus or Oncornavirus?"</p>	1976 November
b. 20, f. 8	<p>"Expression of Herpesvirus Genome in Cells Derived from Bone Marrow of Latently Infected Guinea Pigs"</p> <p>Poster presentation done in collaboration with Aldo Gonzalez-Serva for FASEB meeting, Chicago. Includes photographs.</p>	1977 April
b. 20, f. 9	<p>1978 March: "An Animal Model for Acute Lymphoblastic Leukemia: L2C Guinea Pig Leukemia"</p> <p>By a large group of collaborators.</p>	1978 March
b. 20, f. 10	<p>[Viral Diseases]</p> <p>Presented at the University of Colorado, Infectious Diseases.</p>	1978 June 7
b. 20, f. 11	<p>"Oncogenic Viruses"</p> <p>Presented at Montefiore Hospital.</p>	1978 June 14
b. 20, f. 12	<p>"Interaction Between Herpesvirus and Oncornavirus"</p> <p>Presented to the Department of Pathology, New York University.</p>	1978 November 21
b. 20, f. 13	<p>"Interaction of Herpesvirus and Onconavirus"</p> <p>Presented at the VA Medical Center.</p>	1979 January 5
b. 20, f. 14	<p>"New Aspects of Clinical Virology"</p> <p>Presented at Mount Sinai Medical Center, New York.</p>	1979 April 12
b. 20, f. 15	<p>"Viruses of Guinea Pigs"</p> <p>Presented at the Medical Virology Seminar.</p>	1979 October 26
b. 20, f. 16	<p>"Genital Herpes: Pathogenesis and Chemotherapy in an Animal Model"</p> <p>Presented at the Institute of Medical Research of Bennington, Bennington, Vermont. In addition to an outline of the talk, the folder includes correspondence relating to the invitation to give the presentation.</p>	1982 May 21
b. 20, f. 17	<p>"Rapid Detection and Identification of Viral Infections"</p> <p>Presentation at the Annual Meeting of the New York State Association of Public Health Laboratories in Albany, New York. Folder includes correspondence and a draft of the talk.</p>	1982 May 22
b. 20, f. 18	<p>"Effect of Cyclophosphamide on Acute and Latent Infection of Guinea Pigs with a Lymphotropic Herpesvirus"</p> <p>Poster presentation for the American Society for Microbiology. Study done by Kenneth Dowler, Stanley McCormick, J. Armstrong, and G. D. Hsiung. Folder contains poster materials, drafts of the article for publication, and photographs.</p>	1984 March

Subseries 2: Presentations/Lectures (continued)

b. 20, f. 19	[Herpesvirus Infections] Presented at the UCLA Herpesvirus Symposium, Keystone, Colorado, April 9-13, 1984	1984 April
b. 20, f. 20	"Rapid Viral Diagnosis: Its Role in Patient Care" Presentation with Marie Landry given at International Symposium in the Biomedical Sciences: Clinical Virology Symposium, Tampa, Florida on April 22, 1985.	1985 April 22
b. 20, f. 21	"Clinical Virology: Its Role in Patient Care" Presentation to the University of Arkansas Department of Microbiology and Immunology. Includes itinerary for G.D. Hsiung and Dr. B. P. Griffith.  This file is restricted as it contains patient information.	1985 July
b. 20, f. 22	"Effect of Cyclosporine A on Guinea Pigs Infected Intranasally with a Lymphotropic Herpesvirus" Presented by Z. Nagy, T. Jennings, J. A. Armstrong, H. Lucia, and G. D. Hsiung at the American Society for Microbiology Annual Meeting, Washington, D.C., March 23-28, 1986. Folder contains an abstract and a copy of the paper.	1986 March
b. 20, f. 23	"Introduction to Diagnosis of Viral Infection" Presentation given at the Second Clinical Virology Symposium in Tampa, Florida. Folder also includes a paper by Marie L. Landry, "Clinical Virology: How to Bridge Laboratory and Physician."	1986 April 21
b. 20, f. 24	"Change Viewpoints in Diagnosis: When the Diagnosis is AIDS" Presented at the Medical Virology Seminar.	1987 January 9
b. 20, f. 25	"Effect of Cyclosporine-A Immunosuppression on Guinea Pigs Infected with a Lymphotropic Herpesvirus" Presented at the American Society for Microbiology regional meeting.	1987 April 3
b. 20, f. 26	"Introductory Remarks" Presentation for Third Clinical Virology Symposium in Clearwater, Florida.	1987 April 27
b. 20, f. 27	"The Use of Biotinylated DNA In Situ Hybridization and an Avidin-Biotin Immunoperoxidase Technique for Detection of Lymphotropic Herpesvirus Infection"  Poster presentation for the VIIth International Congress of Virology in Alberta, Canada. File contains correspondence, abstract, text, and photographs.	1987 August 12
b. 21, f. 1	"Introduction to Clinical Aspects of Viral Diseases" Introductory remarks for the symposium, "Clinical Aspects of Viral Diseases," at the Clinical Virology Symposium in Clearwater, Florida. The symposium was held in conjunction with the annual meeting of the Pan American Group for Rapid Viral Diagnosis.	1988 May 23
b. 21, f. 2	"An Historic Perspective on Clinical Virology and Future Prospects for Rapid Viral Diagnosis" (Wellcome Diagnostic Award Address)  G. D. Gsiung was the recipient of the Wellcome Diagnostics Award for Achievement in Viral Diagnostics. Her address was given in conjunction with the Clinical Virology Symposium and the PAGRVD annual meeting. The folder contains the speech, a draft of the speech, and a news release	1988 May 23



Subseries 2: Presentations/Lectures (continued)

b. 21, f. 3	<p>"In Vitro Antiviral Activity of Newly Synthesized Pyrimidine Nucleoside Analogs Against Human Immunodeficiency Virus (HIV) Infection: An Ultrastructural Study"</p> <p>Poster presentation by S. Angerer-Klein, D. Herring, Z. H. Zang, S. H. Chu, Z. H. Chen, B. P. Griffith, and G. D. Hsiung Poster at the IV International Conference on AIDS, Stockholm, Sweden. Folder contains poster materials, conference information, and a draft of a later paper dated September 1988.</p>	1988 June 12
b. 21, f. 4	<p>"The Impact of Antiviral Therapy on Rapid Viral Diagnosis"</p> <p>Invited lecture given as the first speaker in the re-established Bodansky Lectureship series, University of Texas Medical Branch, Galveston, Texas. Folder includes correspondence, an abstract, and an outline of the lecture.</p>	1989 September 21
b. 21, f. 5	<p>"Host-Controlled Variations in the Evaluation of Antiviral Agents"</p> <p>Presentation by G. D. Hsiung at the Fourth International Antiviral Symposium in Taipei, Taiwan.</p>	1990 June 18
b. 21, f. 6	<p>"The Use of Dose-Effect Analysis for Combined Antiviral Effects of Paired Nucleosides Against Cytomegalovirus Replication in the Guinea Pig Model"</p> <p>Presentation by J. Y. Crouch at the Fourth International Antiviral Symposium in Taipei, Taiwan. The authors were Z. H. Yang, J. Y. Crouch, T. C. Chou, and G. D. Hsiung, all from the Virology Laboratory, VA Medical Center, West Haven.</p>	1990 June 18
b. 21, f. 7	<p>American Type Culture Collection (ATCC) video interview</p> <p>The interview took place at the VA in West Haven. Folder contains correspondence, Hsiung's notes, and materials sent by ATCC. Folder does not contain a copy of the interview.</p>	1990 August 21
b. 21, f. 8	<p>"Combined Antiviral Effect and Cytotoxicity of Ganciclovir and Azidothymidine against CMV Infection in Cultured Cells"</p> <p>Poster presented at International Society for Antiviral Research in New Orleans, Louisiana, April 21-26, 1991. Authors were P. Y. Tian, J. Y. Crouch, and G. D. Hsiung.</p>	1991 April
b. 21, f. 9	<p>"Antiviral Antagonism between Zidovudine and Ganciclovir Against HIV and HCMV Replication in Cultured Cells"</p> <p>Presentation for the Leo Rettger Society, Connecticut Valley Branch of the American Society for Microbiology, University of Hartford, West Hartford. Authors were G. D. Hsiung, D. J. Medina, J. S. Feng, J. S. Crouch, P. Y. Tian, and J. D. Mellors, all from the VA Medical Center, West Haven.</p>	1992 April 24
b. 21, f. 10	<p>"In Vitro and In Vivo Evaluating of Combined Antiviral Effects Against Cytomegalovirus Infection"</p> <p>Presented at the International Symposium on Research of Antiviral Drugs, Beijing, China, November 5-7, 1992.</p>	1992 November
b. 21, f. 11	<p>"Mysteries and Miracles in Diagnostic Virology"</p> <p>Invited seminar given at the Department of Pathobiology, University of Connecticut, Storrs.</p>	1993 September 23

Subseries 2: Presentations/Lectures (continued)

b. 21, f. 12	<p>"Identification of Foamy Virus Type 1 by Electron Microscopy and Indirect Immunofluorescent Staining"</p> <p>Poster session at the Annual Clinical Virology Symposium and annual meeting of Pan American Group for Rapid Viral Diagnosis, in Clearwater, Florida. The authors of the presentation were D. Medina, G. Paulino, C. Buck, C. K. Y. Fong, and G. D. Hsiung. Folder contains correspondence with Charles Buck and photographs in addition to materials about the poster.</p>	1994 April
b. 21, f. 13	<p>"Mysteries and Miracles in Diagnostic Virology"</p> <p>Lecture given at National Institutes of Health, Bethesda, Maryland,</p>	1995 May 23
b. 21, f. 14	<p>"The Continued Importance of Virus Isolation"</p> <p>American Type Culture Collection Lecture.</p>	1995 October 12
b. 21, f. 15	<p>"The Past, Present, and Future of Clinical Virology"</p> <p>Presentation given in Tainan, Taiwan.</p>	1996 March 30
b. 21, f. 16	<p>"The Role of Cell Culture and Electron Microscopy for the Diagnosis of Viral Infections"</p> <p>Presented at the Virology Symposium, Tainan, Taiwan.</p>	1996 March 31
b. 21, f. 17	<p>Virology Reference Laboratory</p> <p>From a folder labeled "Virology Reference Laboratory, Symposium March 15-16, 1997." It contains information on the VRL that Hsiung founded in the United States and similar laboratories she helped to found in Taiwan and elsewhere. Much of the information is in Chinese. This folder is related to the presentation in the previous folder.</p>	1997 March
	<p>Subseries 3: Workshops</p> <p>This subseries may overlap the previous subseries, Presentations/Lectures. The folders are primarily concerned with workshops that G. D. Hsiung organized other than those given through the VA and Yale. It includes workshops G. D. Hsiung organized in Taiwan and China and material on her lengthy travels in these countries where she met with physicians and scientists, lectured, and consulted. For workshops associated with the VA, see Boxes 15 and 16.</p>	1975-1997
b. 22, f. 1	<p>List of Diagnostic Virology Workshops, 1962-1996</p>	
b. 22, f. 2	<p>Diagnostic Virology Round Table</p> <p>Contains the participant list for the Diagnostic Virology Round Table held in New York City.</p>	1975 August 28
b. 22, f. 3	<p>Diagnostic Virology (American Society of Virology)</p> <p>G. D. Hsiung served as convener of the first Diagnostic Virology Workshop at the American Society for Virology annual meeting. The folder contains G. D. Hsiung's introduction on August 2, 1982, the program of the workshop, as well as other papers.</p>	1982 May

Subseries 3: Workshops (continued)

b. 22, f. 4	<p>Medical and Experimental Virology (Hubei Medical College, China)-- Curriculum/Lectures</p> <p>G. D. Hsiung was invited by the Chinese Ministry of Health to organize a two-week advanced course in virology for Chinese scientists, held at Hubei Medical College, China. The course was co-sponsored by Hubei Medical College, Hunan Medical College, the Yale-in-China Association, and the Yale University School of Medicine. The folder contains a list of faculty, an outline of the first three lectures by Hsiung, and a list of laboratory procedures. William C. Summers, Frank J. Bia, and Wilma D. Summers were among the Yale faculty participating.</p>	1982 October
b. 22, f. 5	<p>Medical and Experimental Virology (Hubei Medical College, China)-- Correspondence</p> <p>This folder contains correspondence, 1982-1984; Frank J. Bia, "Teaching Medical and Experimental Virology in China: Lessons Learned"; G. D. Hsiung, "Experience in Teaching Medical and Experimental Virology in the People's Republic of China"; a reprint of G. D. Hsiung, et al, "Yale-China Association Exchange Programs in Medical Sciences: Past, Present, and Future, <i>Yale Journal of Biology and Medicine</i>, 54 (1981): 1-9; an issue of "China Update," March 1981; maps; and news clippings.</p>	1982-1984
b. 22, f. 6	<p>Clinical Virology Mini Residency (VA)</p> <p>Participants at the "Mini-Residency," September 12-16, were from various VA Medical Centers. Folder contains a list of participants, the program, and photographs. The dinner program on September 15 was a tribute to Wallace P. Rowe. See Box 10, folders 21-24.</p>	1983 September
b. 22, f. 7	<p>Clinical Virology Workshop II (Hubei, China)</p> <p>Folder contains only a list of slides and an outline from a previous lecture, "Laboratory Diagnosis of Virus Infection," with C. K. J. Wong.</p>	1984
b. 22, f. 8	<p>Diagnostic Virology Wet Workshop (ATCC)</p> <p>G. D. Hsiung was workshop director for the Diagnostic Virology Wet Workshop held by the American Type Culture Collection in Rockville, Maryland, November 18-22, 1985.</p>	1985 November 18-22
b. 22, f. 9	<p>Third Workshop: Medical and Molecular Virology (Hubei Medical College)-- Correspondence</p> <p>Directed by G. D. Hsiung and held at Hubei Medical College, Wuhan, Hubei, China.</p>	1986 October 6-17
b. 22, f. 10	<p>Third Workshop : Medical and Molecular Virology (Hubei Medical College)-- Curriculum/Lectures</p>	1986 October
b. 22, f. 11	<p>International Workshop on Viral and Chlamydial Infections (Tainan, Taiwan), April 1994 -- Correspondence</p> <p>G. D. Hsiung was invited to organize a workshop in Tainan, Taiwan in conjunction with the International Symposium on Viral and Chlamydial Infections. The workshop, "Advanced Virology," was held April 6-10 at the National Cheng Kung University Medical College. Hsiung arrived in February, visited a number of institutions, met with various researchers, and consulted on organizing a diagnostic virology laboratory.</p>	1993-1994
b. 22, f. 12	<p>International Workshop on Viral and Chlamydial Infections (Tainan, Taiwan), April 1994-- Dr. Hsiung's schedule in Taiwan and miscellaneous</p>	

## Subseries 3: Workshops (continued)

b. 22, f. 13	International Workshop for Diagnosis of Viral and Chlamydial Infections (Taiwan) - Curriculum/Participants Directed by G. D. Hsiung and held in Tainan, Taiwan, April 6-10, 1994. Folder includes a photograph of the participants.	1994 April 6-10
b. 22, f. 14	International Workshop on Viral and Chlamydial Infections (Tainan, Taiwan) - Lectures	1994 April 6-10
b. 22, f. 15	International Workshop on Viral and Chlamydial Infections (Tainan, Taiwan) - Laboratory Exercises	1994 April 6-10
b. 22, f. 16	Suggestions for equipping a virology laboratory and encouraging research in Taiwan	1994
b. 22, f. 17	Professor and Expert Advisor at Cheng Kung University Medical College, Taiwan -- Correspondence In February 1995, G. D. Hsiung received an invitation to come to the National Cheng Kung University Medical College, Tainan, Taiwan as a "Professor and Expert Advisor to assist us to establish a diagnostic laboratory in our Department of Pathology." File also contains photographs of boxes of journals shipped to Taiwan.	1995 February-May
b. 22, f. 18	G. D.'s Hsiung's schedule and notes on activities in Taiwan	1995 March-April
b. 22, f. 19	Clinical Conference with Case Presentations, Taiwan -- Lectures This series of weekly lectures was set up by G. D. Hsiung. Much of the material is in Chinese.	1995 March-April
b. 22, f. 20	Additional notes, Taiwan	1995 March-April
b. 22, f. 21	ATCC Diagnostic Virology Workshop, Rockville, Maryland	1995 October
b. 23, f. 1	1996 March-April: International Symposium on Diagnosis of Viral and Chlamydial Infections (Tainan, Taiwan) -- correspondence, 1995-1996 The workshop was held at the National Cheng Kung University Medical College, Tainan, Taiwan. G. D. Hsiung arrived several weeks earlier to visit colleagues and consult.	
b. 23, f. 2	1996 March-April: International Symposium on Diagnosis of Viral and Chlamydial Infections (Tainan, Taiwan) -- itinerary Folder contains G. D. Hsiung's calendar and notes on each day during travel from March 5 to April 3, 1996.	
b. 23, f. 3	International Symposium on Diagnosis of Viral and Chlamydial Infections (Tainan, Taiwan) -- Participants/schedule	1996 March-April
b. 23, f. 4	1996 March-April: International Symposium on Diagnosis of Viral and Chlamydial Infections (Tainan, Taiwan) -- lecture notes	
b. 23, f. 5	1996 March-April: International Symposium on Diagnosis of Viral and Chlamydial Infections (Tainan, Taiwan) -- VRL charts and miscellaneous The charts of the VAMC Virology Reference Laboratory were possibly used in a presentation. Also included are business cards given to G.D. Hsiung of colleagues that she met.	

Subseries 3: Workshops (continued)

- |              |   |
|--------------|---|
| b. 23, f. 6  | 1997 Symposium on Clinical Virology and Bacteriology (Taiwan) -<br>Correspondence, 1996-1997<br>The symposium was held on March 15-16, 1997 in Tainan, Taiwan under the<br>auspices of the National Cheng Kung University Medical College. Hsiung<br>arrived on March 4, 1997 and returned in early April. The trip included a visit<br>to Beijing. |
| b. 23, f. 7  | 1997 Symposium on Clinical Virology and Bacteriology (Taiwan) - Itinerary   |
| b. 23, f. 8  | 1997 Symposium on Clinical Virology and Bacteriology (Taiwan) - Lectures  |
| b. 23, f. 9  | 1997 Symposium on Clinical Virology and Bacteriology (Taiwan) --<br>Miscellaneous<br>Includes issues of the Pathology Newsletter, National Cheng Kung<br>University Medical Center.   |
| b. 23, f. 10 | 1997 October: ATCC Diagnostic Virology Workshop, Rockville, Maryland  |

**Series VII: Conferences/Meetings**

Folders may contain correspondence, meeting programs, G. D. Hsiung's abstracts and presentations, and minutes of the meetings or groups held in conjunction with the meeting. Folders may overlap Lectures/Presentations.

b. 24, f. 1	American Society for Microbiology Annual Meeting 1984
b. 24, f. 2	American Society for Microbiology Branch Meeting 1985
b. 24, f. 3	American Society for Microbiology Annual Meeting 1995
b. 24, f. 4	American Society for Virology Annual Meeting 1991
b. 24, f. 5	American Society for Virology Annual Meeting 1992
b. 24, f. 6	American Society for Virology Annual Meeting 1993
b. 24, f. 7	American Society for Virology Annual Meeting 1994
b. 24, f. 8	American Society for Virology Annual Meeting 1995
b. 24, f. 9	American Type Culture Collection Registry Council 1962
b. 24, f. 10	American Type Culture Collection Registry Council 1963
b. 24, f. 11	American Type Culture Collection Registry Council 1964
b. 24, f. 12	Antivirals Congress 1988 (Finland)
b. 24, f. 13	Australian Society of Microbiology 1992
b. 24, f. 14	Cell Culture for Virus Identification-An Update Seminar 1993
b. 24, f. 15	Chautauqua Research and Development Meeting 1993 Meeting for all VAMC researchers in New England and New York
b. 24, f. 16	Chautauqua Research and Development Meeting 1994 Meeting for all VA researchers in New England and New York; Includes poster "Virology Reference Laboratory: Ten Years of Service to Veterans"
b. 24, f. 17	Clinical Virology Symposium 1985-1988 The annual Clinical Virology Symposium was held in conjunction with the annual meeting of the Pan American Group for Rapid Viral Diagnosis.
b. 24, f. 18	Clinical Virology Symposium 1989
b. 24, f. 19	Clinical Virology Symposium 1990
b. 24, f. 20	Clinical Virology Symposium 1991
b. 24, f. 21	Clinical Virology Symposium 1992
b. 24, f. 22	Clinical Virology Symposium 1993
b. 24, f. 23	Clinical Virology Symposium 1994
b. 24, f. 24	Clinical Virology Symposium 1995

b. 25, f. 1	Clinical Virology Symposium 1996
b. 25, f. 2	Clinical Virology Symposium 1997
b. 25, f. 3	Clinical Virology Symposium 1998
b. 25, f. 4	Clinical Virology Symposium 1999
b. 25, f. 5	Clinical Virology Symposium 2000
b. 25, f. 6	Clinical Virology Symposium 2001
b. 25, f. 7	INCSTAR DNA Infectious Disease Technology Focus Panel 1996
b. 25, f. 8	Infectious Disease Society of America Annual Meeting 1989
b. 25, f. 9	Infectious Disease Society of America Annual Meeting 1991
b. 25, f. 10	International Antiviral Symposium, Taiwan 1990 Conference "International Antiviral Symposium: Clinical, Pharmacological and Basic Aspects" held in Taipei, Taiwan from June 18-20, 1990
b. 25, f. 11	International Conference on Antiviral Research 1988
b. 25, f. 12	International Conference on Antiviral Research 1991
b. 25, f. 13	International Congress of Virology 1990 (Berlin) Conference in Berlin, Germany from August 24-31, 1990; includes abstracts
b. 25, f. 14	International Congress of Virology (Israel) 1996
b. 25, f. 15	International Cytomegalovirus Workshop 1989
b. 25, f. 16	International Symposium on Research of Antiviral Drugs 1992 (Beijing) Conference in Beijing, China from November 5-7, 1992; includes the abstract for Dr. Hsiung's presentation
b. 25, f. 17	Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 1989
b. 25, f. 18	Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 1990
b. 25, f. 19	Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 1991
b. 25, f. 20	Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 1992
b. 25, f. 21	Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) 1997
b. 26, f. 1	International Symposium on Viral and Chlamydial Infections (Taiwan), 1999 Folder contains only an annotated program. For earlier versions of this conference in which Hsiung led or co-led a workshop, see Workshops.
b. 26, f. 2	Scandinavian Virus Symposium 1989 Conference held in Reykjavik, Iceland on May 30-June 2, 1989; Dr. Hsiung presented "Laboratory Diagnosis of Viral Infections."
b. 26, f. 3	Southern Association for Clinical Microbiology 1993 Lecture given for conference at Vanderbilt University in Nashville, Tennessee on September 14, 1994.

**Series VIII: Published Articles/Reprints, 1950-2006**

This series contains Hsiung's copies of her published articles numbered sequentially. Besides the lists at the end of this series, see Curriculum Vitae in Box 1.

b. 27, f. 1	Articles Reprints #1-6	1950-1954
b. 27, f. 2	Articles Numbered #7-#18	1955-1959
b. 27, f. 3	Articles Reprints #19-25	1960-1961
b. 27, f. 4	Articles Reprints #26-37,39	1962-1964
b. 27, f. 5	Articles Reprints #41-47	1965
b. 27, f. 6	Articles Reprints #48-54	1966-1967
b. 27, f. 7	Articles Reprints #55-64	1967-1968
b. 27, f. 8	Articles Reprints #65-72	1969-1970
b. 27, f. 9	Articles Afar Reprints #73-79	1971
b. 27, f. 10	Articles Reprints #80-84	1972
b. 27, f. 11	Articles Reprints #86-90 (reprint #87 labelled "Dr. Green", reprint #89 printed in 1974 but recorded by Hsiung as #89)	1973
b. 27, f. 12	Articles Reprints #91-99	1973-1974
b. 27, f. 13	Articles Reprints #100-113 (one copy of #102 labelled "for corrections" and "all corrected")	1975-1976
b. 27, f. 14	Articles Reprints #114-121	1977
b. 27, f. 15	Articles Reprints #122-132 (not including #127-130)	1978



b. 27, f. 16	Articles Reprints #133-139	1979
b. 28, f. 1	Articles Reprints #140-147	1980
b. 28, f. 2	Articles Reprints #148-154	1981
b. 28, f. 3	Articles Reprints #156-165	1982
b. 28, f. 4	Articles Reprints #166-171 (not including #169)	1983
b. 28, f. 5	Articles Reprints #180-191 (not including #186)	1984
b. 28, f. 6	Articles Reprints #192-205 (not including #197, 198, 201, 202)	1985-1986
b. 28, f. 7	Articles Reprints #207-215	1987
b. 28, f. 8	Articles Reprints #216-221	1988-1989
b. 28, f. 9	Articles Reprints #222-226	1989
b. 28, f. 10	Articles Reprints #227-230	1990-1991
b. 28, f. 11	Articles Reprints #232-234, 244, 246	1992-1995
b. 28, f. 12	Publication list Comprehensive publication list for G.D. Hsiung as of January 27, 1995	1995
b. 28, f. 13	Publication lists	2000
b. 28, f. 14	Publication lists by topic Contains lists of publications sorted by Diagnostic Virology, Guinea Pig Herpes-Like Virus, Guinea Pig Retrovirus, and Guinea Pig Cytomegalovirus Infection, compiled by G.D. Hsiung	

**Series IX: Manuscripts**

## Subseries 1: Submitted Articles

Folders may contain drafts of the manuscript, correspondence with the journal editors, peer reviews of the manuscript, photographic illustrations, handwritten tables, and notes. No attempt has been made to correlate these folders with published articles.

b. 29, f. 1	"Isolation of a Herpes-like Virus from Leukemia Susceptible Strain 2 Inbred Guinea Pigs"	1969
b. 29, f. 2	"Productive and Abortive Growth of an Equine Cytomegalovirus in Equine and Hamster Cells"	1970
b. 29, f. 3	"The Purification of Guinea Pig Herpes-Like Virus and Characterization of its Structural Proteins"	1972-1974
b. 29, f. 4	"Studies of Lymphoid Tissues from Normal and Leukemic Guinea Pigs Infected with Herpes and/or C-Type Viruses"	1974
b. 29, f. 5	"Latent Herpesvirus Infections in the Brain and Trigeminal Ganglion of Guinea Pigs"	1975
b. 29, f. 6	"Non-Productive Infection of Hamster Cells with a Guinea Pig Herpesvirus" Folder labelled "Reject"	1975
b. 29, f. 7	"Comparison of Two Plaque Assay Systems for Testing Antiviral Agents Against Herpes Simplex Virus Types 1 and 2"	1978
b. 29, f. 8	"The Use of Plaque Assays for Testing AIU and AIC Against Herpes Simplex Virus Strains"	1978
b. 29, f. 9	"Rapid and Accurate Viral Diagnosis"	1980-1986
b. 29, f. 10	"Effect of Acyclovir on Lymphotropic Guinea Pig Herpes-Like Virus Replication In Vitro and In Vivo"	1981
b. 29, f. 11	"Lymphadenopathy During Cytomegalovirus Induced Mononucleosis in Guinea Pigs"	1981-1985
b. 29, f. 12	"Detection of Viral Genomes in Cultured Cells and Paraffin-Embedded Tissue Sections using Biotin Labeled Hybridization Probes" Folder contains a letter from David Brigati, the senior author of the manuscript, to Enzo Biochemical, Inc. strongly criticizing an article by Lenore Gardner from the company.	1982
b. 29, f. 13	"Genital Herpes: Pathogenesis and Chemotherapy in the Guinea Pig Model"	1982-1983
b. 30, f. 1	"Effect of 2'-Fluoroarabinosides, FIAC, FMAU, and FIAU on Cytomegalovirus Replication"	1983
b. 30, f. 2	"Effect of CP-20,961 on Genital Herpes in Guinea Pigs"	1983
b. 30, f. 3	"Prophylactic and Therapeutic Treatment with Acyclovir of Genital Herpes in the Guinea Pig"	1983
b. 30, f. 4	"The Anti-Viral Activity of CP-20,961 against Herpes Simplex Viruses in Vitro"	1983-1984

## Subseries 1: Submitted Articles (continued)

b. 30, f. 5	"Fluoropyrimidine Treatment of Primary Acute Genital Herpes in Guinea Pigs"	1983-1984
b. 30, f. 6	"Laboratory Diagnosis of Herpes Simplex Virus Types 1 and 2 Infections"	1983-1984
b. 30, f. 7	"Complement-Requiring Neutralizing Antibody in Guinea Pigs with Primary and Recurrent Genital Herpes"	1984
b. 30, f. 8	"Diagnostic Virology: From Animals to Automation"	1984
b. 30, f. 9	"Depression of responses to T and B cell mitogens during acute infection with cytomegalovirus in the guinea pig"	1984
b. 30, f. 10	"Lymphoproliferative Changes Induced by Infection with a Lymphotropic Guinea Pig Herpesvirus"	1984
b. 30, f. 11	"Transmission of Maternal Cytomegalovirus Specific Immunity in the Guinea Pig"	1984
b. 30, f. 12	"New Concepts in Diagnostic Virology"	1984-1986
b. 30, f. 13	"Primary Isolation of Viruses"	1984-1986
b. 30, f. 14	"Comparison of Immunofluorescence Using Commercial Monoclonal Antibodies with Biochemical and Biological Techniques for Typing Clinical Herpes Simplex Virus Isolates"	1985
b. 30, f. 15	"Inbred Guinea Pig Model of Intrauterine Infection with Cytomegalovirus"	1985
b. 30, f. 16	"The Placenta as a Site of Cytomegalovirus Infection in the Guinea Pig" Authors: Brigitte P. Griffith, Stanley R. McCormick, Caroline K. Y. Fong, Jacquelyn T. Lavalley, Helen L. Lucia, and Elizabeth Goff  Acknowledgement to the Virology Laboratory, Veterans Administration Medical Center, West Haven, CT.	1985
b. 30, f. 17	"Quantitation of IgG and IgM Antibodies Against Cytomegalovirus in Donor Blood"	1985
b. 30, f. 18	"Antiviral Effect of 9-(1,3 Dihydroxy-2-Propoxy-Methyl) Guanine Against Cytomegalovirus Infection in a Guinea Pig"	1985-1986
b. 30, f. 19	"Comparison of In Situ Hybridization and Immunological Staining with Cytopathology for Detection and Identification of Herpes Simplex Virus Infection in Cultured Cells"	1985-1986
b. 30, f. 20	"Effect of BW1117 Against Cytomegalovirus Infection in the Guinea Pig Model: An In Vitro Study"	1985-1986
b. 30, f. 21	"Herpesviruses and Retroviruses of Guinea Pigs"	1985-1986
b. 30, f. 22	"Rapid Viral Diagnosis"	1985-1986
b. 31, f. 1	"Detection of Guinea Pig Cytomegalovirus Nucleic Acids in Cultured Cells with Biotin-labelled Hybridization Probes"	1986
b. 31, f. 2	"Direct Detection of Genital Herpes Simplex Virus Infection in the Guinea Pig Model with Monoclonal Antibodies"	1986

## Subseries 1: Submitted Articles (continued)

b. 31, f. 3	"Effect of Cyclosporine-A on Acute Infection of Guinea Pigs with a Lymphotropic Virus"	1986
b. 31, f. 4	"Replication of Human Adenoviruses in Guinea Pig Embryo Cells: An Ultrastructural Study"	1986
b. 31, f. 5	"Cyclophosphamide Immunosuppression During Lymphotropic Herpesvirus Infection in the Guinea Pig Model"	1986-1987
b. 31, f. 6	"Double Labeling Using Immunogold-Silver Staining and Avidin-Biotin Immunoperoxidase Staining of SIgG+ Cells Harboring a Lymphotropic Herpesvirus"	1986-1987
b. 31, f. 7	"Effect of Cyclosporine-A Immunosuppression on Primary Lymphotropic Herpesvirus Infection in the Guinea Pig "	1986-1987
b. 31, f. 8	"Effect of Herpes Simplex Virus Concentration in Clinical Specimens on its Rapid Detection in Four Cell Culture Systems"	1986-1987
b. 31, f. 9	"Efficacy of Topical Fluoropyrimidines for the Treatment of Genital Herpes Simplex Virus Type 2 Infections in the Guinea Pig Model"	1986-1988
b. 31, f. 10	"Meningoencephalitis Associated with Adenovirus in Previously Healthy Adults"	1986-1988
b. 31, f. 11	"A False Positive HIV Antibody Reaction Due to Transfusion-Induced HLA-DR4 Sensitization"	1986-1989
b. 31, f. 12	"Perspectives on Retroviruses and Acquired Immune Deficiency Syndrome"	1987
b. 31, f. 13	"Efficacy of S26308 Against Guinea Pig Cytomegalovirus Infection"	1987-1988
b. 31, f. 14	"Quantitation of Antibody Titers to Cytomegalovirus and Human Immunodeficiency Virus in AIDS/ARC Patients and in Blood Donors"	1987-1988
b. 31, f. 15	"Double Labeling of SIgG+ Cells Harboring a Lymphotropic Herpesvirus by Avidin Biotincomplex Immunoperoxidase and Immunogold Silver Staining Techniques"	1987-1990
b. 32, f. 1	"An Evaluation of New Antiviral Agents: The Need for Standardizations"	1988
b. 32, f. 2	"Antiviral Effect of Compound 164 on Guinea Pig Cytomegalovirus Infection"	1988-1989
b. 32, f. 3	"Activities of Two New Antiviral Agents against Guinea Pig Lymphotropic Herpesvirus Infection in Vitro"	1989
b. 32, f. 4	"Evaluation of New Antiviral Agents: I. In Vitro Perspective"	1989
b. 32, f. 5	"Evaluation of New Antiviral Agents: II. The Use of Animal Models"	1989
b. 32, f. 6	"The Impact of Cell Culture Sensitivity on Rapid Viral Diagnosis: A Historical Perspective"	1989
b. 32, f. 7	"Studies on Two New Antiviral Agents Against Guinea Pig Lymphotropic Herpesvirus Infection in Vitro"	1989
b. 32, f. 8	"Activity of HPMPC Against Guinea Pig Cytomegalovirus Infection in Cultured Cells and in Guinea Pigs"	1989-1990

## Subseries 1: Submitted Articles (continued)

b. 32, f. 9	"Combined Antiviral Effects of Paired Nucleosides Against Guinea Pig Cytomegalovirus Replication in Vitro"	1990
b. 32, f. 10	"Antagonistic Antiviral Effect and Synergistic Cytotoxicity of DHPG/AZT Against CMV Infection in Cultured Cells and in Guinea Pigs"	1991
b. 32, f. 11	"Combined Antiviral Effects of 2'-nor-cGMP and Ganciclovir against Acute Cytomegalovirus Infection in Guinea Pigs"	1991
b. 32, f. 12	"Zidovudine Antagonizes the Antiviral Effects of Ganciclovir Against CMV Infection in Cultured Cells and in Guinea Pigs"	1992
b. 32, f. 13	"Medical Microbiology," Chap. 59, in G. D. Hsiung, <i>Diagnostic Virology</i>	1995

Subseries 2: *Mysteries and Miracles* (1995)

These folders relate to the publication of G. D. Hsiung, *Mysteries and Miracles: Personal Recollections in Clinical and Diagnostic Virology*. Amsterdam: Elsevier, 1995.

b. 33, f. 1	Correspondence Folder Includes correspondence with Vantage Press and Yale University Press. The book was published by Elsevier (Amsterdam) in 1995.	1993-1996
b. 33, f. 2	Dedication to Joseph L. Melnick Folder contains correspondence about Hsiung's dedication of the first chapter of her book to her mentor, Joseph L. Melnick, in honor of his 80th birthday, as well as about the broader celebration of Melnick's birthday.	1994
b. 33, f. 3	First Draft, Part One	1993
b. 33, f. 4	First Draft, Part Two	1993
b. 33, f. 5	Second Draft Autobiographical account written in pencil on lined paper.	
b. 33, f. 6	Final Draft, Part One	1994 September
b. 33, f. 7	Final Draft, Part Two	1994 September

## Subseries 3: Diagnostic Virology

G. D. Hsiung published four editions of her major textbook with Yale University Press. These are:

G. D. Hsiung in collaboration with J. R. [J. R. Henderson], *Diagnostic Virology* (1964).

G. D. Hsiung, *Diagnostic Virology: An Illustrated Handbook*, revised and enlarged edition (1973).

G. D. Hsiung in collaboration with Caroline K.Y. Fong, *Diagnostic virology Illustrated by Light and Electron Microscopy*, 3rd edition (1982)

G.D. Hsiung, Caroline K.Y. Fong, and Marie L. Landry, *Hsiung's Diagnostic Virology as Illustrated by Light and Electron Microscopy*, fourth edition (1994).

b. 33, f. 8	Diagnostic Virology, 1st Edition: Part 1 Files contain mimeographed typescripts with photographs pasted in.	
-------------	--	--

## Subseries 3: Diagnostic Virology (continued)

b. 33, f. 9	Diagnostic Virology, 1st Edition: Part 2	
b. 33, f. 10	Diagnostic Virology, 1st Edition: Part 3	
b. 33, f. 11	Diagnostic Virology, 1st Edition: Part 4	
b. 33, f. 12	Diagnostic Virology, 1st Edition: Part 5	
b. 33, f. 13	Diagnostic Virology, 3rd Edition: Correspondence	
b. 33, f. 14	Diagnostic Virology, 3rd edition: Promotional Materials	
b. 33, f. 15	Diagnostic Virology, 4th Edition: Correspondence	1992
b. 33, f. 16	Diagnostic Virology, 4th Edition: Correspondence	1993
b. 33, f. 17	Diagnostic Virology, 4th Edition: Correspondence	1994
b. 33, f. 18	Diagnostic Virology, 4th Edition: Reviews	

## Subseries 4: Photographs for publications

b. 34, f. 1	Illustrations for Schoentag, Fong, and Hsiung on Reovirus	
b. 34, f. 2	Illustrations for Tscholl and Hsiung, Equine Herpes and Bovine Leucocytes	
b. 34, f. 3	Diagnostic Virology: Cover, General trends, classification, etc.	
b. 34, f. 4	Diagnostic Virology: Virus Isolation and Identification	
b. 34, f. 5	Diagnostic Virology: Virus Assay	
b. 34, f. 6	Diagnostic Virology: Immunofluorescence/ ELISA-EIA	
b. 34, f. 7	Diagnostic Virology: Hemagglutination Inhibition, Complement Fixation Originally labeled 10 and 11 which refer to chapters of the book.	
b. 34, f. 8	Diagnostic Virology: Molecular Biology Technique Originally labeled 12.	
b. 34, f. 9	Diagnostic Virology: Electron Microscopy Originally 13.	
b. 34, f. 10	Diagnostic Virology: Entero Viruses Originally 14.	
b. 34, f. 11	Diagnostic Virology: Myxoviridae Originally 15.	
b. 34, f. 12	Diagnostic Virology: Measles Originally 16.	
b. 34, f. 13	Diagnostic Virology: Rubella Originally 17.	

## Subseries 4: Photographs for publications (continued)

b. 34, f. 14	Diagnostic Virology: Reo Rota Viruses Originally 18.	
b. 34, f. 15	Diagnostic Virology: HIV - Extra Figures Originally 20.	
b. 34, f. 16	Diagnostic Virology: Adenoviridae Originally 21.	
b. 34, f. 17	Diagnostic Virology: Herpesviridae Originally 22.	
b. 34, f. 18	Diagnostic Virology: Papoviridae Originally 24.	
b. 34, f. 19	Diagnostic Virology: Parvoviridae Originally 25.	
b. 34, f. 20	Diagnostic Virology: Hepatitis Viruses Originally 26.	1992
b. 35, f. 1	Diagnostic Virology: Arboviruses Originally 27.	
b. 35, f. 2	Diagnostic Virology: Media, Cell Culture, etc.	
b. 35, f. 3	Diagnostic Virology: Endogenous Viruses Cell Cultures Originally 29.	
b. 35, f. 4	Diagnostic Virology: CPE Lymphotropic Effect	
b. 35, f. 5	Diagnostic Virology: 2nd Edition, 1972	
b. 35, f. 6	Diagnostic Virology: 2nd, 3rd Editions	
b. 35, f. 7	Diagnostic Virology: 3rd Edition, 1982	
b. 35, f. 8	Diagnostic Virology: Photos Removed from 3rd Edition	
b. 35, f. 9	Diagnostic Virology: 4th Edition	
b. 35, f. 10	Diagnostic Virology: Possible Illustrations for the Cover of the 4th Edition	
b. 35, f. 11	Mysteries and Miracles, 1995	
b. 35, f. 12	"Studies on Two Antiviral Agents Against G.P. Lymphotropic HIV" Five diagrams.	

**Series X: Miscellaneous**

Subseries 1: Photograph books/scrapbooks of people and conferences

This series consists of photograph albums and notebooks containing photographs of Hsiung and others and materials related to events. They document laboratory parties, meetings attended, student presentations at meetings, and some of the Clinical Virology Seminars she led. They thus expand on the materials in earlier series. All albums and binders were disbound to preserve contents.

	Becton-Dickinson Award scrapbook	1983-1986
	The American Society for Microbiology awarded the Becton Dickinson Award, a top honor, to G. D. Hsiung in 1983. See Box 1, Folder 17.	
b. 36, f. 1	Album photograph of G. D. Hsiung Congratulatory card that was on the cover of the scrapbook. It shows G. D. Hsiung surrounded by research images. Inside, it was signed by five members of the Institut Basel für Mikrobiologie und Hygiene.	1983
b. 36, f. 2	American Society for Microbiology press release and announcement	1983
b. 36, f. 3	ASM meeting, New Orleans Folder contains a photograph of Hsiung in the hotel, her acceptance statement for the award, and an invitation to a reception and buffet.	1983
b. 36, f. 4	Letters of congratulation from peers	
b. 36, f. 5	Cards of congratulation	
b. 36, f. 6	Other announcements of award	
b. 36, f. 7	Photograph of G.D. Hsiung used for Becton-Dickinson Award	1983
b. 36, f. 8	Surprise party at the VA	1983
b. 36, f. 9	Certificate for serving on the Becton-Dickinson Award Committee	1986
b. 36, f. 10	"Progress in Virology Starting 1956 at Yale" Contains photographs of G. D. Hsiung in the laboratory, photographs of the Section of Epidemiology, and photographs of the Department of Epidemiology and Public Health at Yale.	1956-1965
b. 36, f. 11	"Virology Laboratory Meetings" Includes formal group photographs of the staff, formal photographs of G. D. Hsiung, and photographs of students presenting posters at professional meetings, and of laboratory parties. Newspaper clippings are also included.	1965-1978
b. 36, f. 12	"Experimental Methods in Medical Virology" Course See Box 16 for other materials on the course. Notebook contains photographs of participants in the laboratory, etc.	1977
b. 36, f. 13	"Experimental and Diagnostic Methods in Medical Virology" Course See Box 16 for information on the course. Notebook contains photographs of participants in the laboratory, etc.	1979
b. 36, f. 14b. 36, f. 15	Clinical Virology Symposium, Progress in Ten Years	1985-1994



## Subseries 1: Photograph books/scrapbooks of people and conferenc [...] (continued)

b. 37, f. 1b. 37, f. 2	Medical and Experimental Virology Course, Virus Research Institute, Hubei Medical College Photographs of participants, etc. This course was co-taught by Frank Bia who wrote an article for <i>Connecticut Medicine</i> on the experience.	1982
b. 37, f. 3b. 37, f. 4	"International Workshop on Diagnosis of Viral and Chlamydial Infections," Taiwan	1994
b. 37, f. 5	"Third International Symposium on Viral and Chlamydial Infections," Taiwan	1999
b. 37, f. 6	"International Congress and Symposium"	1957-1976
b. 37, f. 7b. 37, f. 8	"Meetings and Conferences"	1979-1982
b. 37, f. 9b. 37, f. 10	"Meetings and Conferences" This scrapbook contains many photographs of students with their posters for poster sessions.	1983
b. 37, f. 11	Meetings	1983-1985
b. 37, f. 12	Meetings	1968-1987
b. 37, f. 13	Meetings	1988-1991
Subseries 2: Other		
This box contains leftover materials that did not get incorporated into earlier boxes.		
b. 38, f. 1	G. D. Hsiung, "Proposed Plan for a Virus Research Laboratory" This carbon copy seems to relate to her work at Yale University. She describes the work she does in her current position at Yale. See Box 8.	1965 February 15
b. 38, f. 2	Course: "Electron Microscopy in the Biological Sciences," Northeastern University This was a course that Dr. Hsiung took. Folder contains course information and several electron micrographs.	1967
b. 38, f. 3	G. D. Hsiung: Certificates for Training and for Service Awards	1968-1991
b. 38, f. 4	Business expenses	
b. 38, f. 5	VA Laboratory Holiday Parties and Other Holiday Parties Small posters inviting the recipient to a holiday party, and some lists of who was invited.	1985-1990
b. 38, f. 6	Miscellaneous group photographs These are professionally taken group photographs, some from the "Diagnostic Virology" course at Yale (1963-1965), and some at the international symposia Hsiung attended in Taiwan.	1963-1997
b. 38, f. 7	Calendar/Planner	1989/1990
b. 38, f. 8	Christmas cards Christmas and other holiday cards that Hsiung received, many from foreign countries, and usually with their envelopes.	1989

## Subseries 2: Other (continued)

b. 38, f. 9	Christmas cards	1990
b. 38, f. 10	Christmas cards	1991
b. 38, f. 11	Christmas cards	1992
b. 38, f. 12	Christmas cards	1993
b. 38, f. 13	Miscellaneous handwritten notes by Hsiung	

**Series XI: Research materials**

## Subseries 1: Laboratory Research Procedures

b. 39, f. 1	Virus Inventory: Freezer Index Stored records and inventory for ECHO, polio, simian viruses and human viruses. These files illustrate an early period of virology, as some of the viruses listed were state-of-the-art in the 1950s to 1960s. Technical descriptions of file contents here and in later research folders are by Dr. John Booss.	1955-1964
b. 39, f. 2	Virus Inventory: Dilutions Records	1955-1964
b. 39, f. 3	Virus Inventory: Standard Dilutions Records	1955-1964
b. 39, f. 4	Virus Inventory: Poliovirus Stock	1955-1964
b. 40, f. 5	Virus Inventory: Coxsackie Virus Stock	1966-1964
b. 40, f. 6	ECHO Virus Stock	
b. 40, f. 7	Virus Inventory: Adenovirus and Myxovirus Stock	1955-1964
b. 39, f. 8	Reagents and Stocks: General Methods References, reprints, and procedures for working with monolayer cell cultures, including cultures of poliovirus.	1955-1978
b. 39, f. 9	Reagents and Stocks: Cell Cultivation	1955-1978
b. 39, f. 10	Reagents and Stocks: Medium for Trichomonas	1955-1978
b. 39, f. 11	Reagents and Stocks: 50% Calculation	1955-1978
b. 39, f. 12	Plaque Formation for Bottle Cultures	1960
b. 39, f. 13	Electron Microscope Procedures	1963-1968
b. 39, f. 14	Pleuropneumonia-like Organisms (PPLO) From a folder labeled "PPLO Psittacosis", procedures and micrographs of pleuropneumonia-like organisms	1964-1966
b. 39, f. 15	Media, Reagents, Water System Information Some of content is similar to Laboratory Manual, with additional notes; most of the material is unique. Fundamental information about techniques for studying tissue culture, potentially part of work on 2nd Edition Diagnostic Virology.	1969-1980
b. 39, f. 16	Leukocytes for Tissue Culture	1971-1973
b. 39, f. 17	Separation of Cells	1977
b. 39, f. 18	Laboratory Manual	1979-1985
b. 39, f. 19	GPE Trypsinization	1983
b. 39, f. 20	Guinea Pig Herpes-Like Virus Purification	1984-1985

## Subseries 1: Laboratory Research Procedures (continued)

b. 39, f. 21	Pathogenesis of GPHLV: Introduction/References From a folder labeled "Molecular Virology of GPHLV, Hybridization, Pathogenesis of GPHLV", these files contain procedures for slides and hybridization, particularly in connection to guinea pig viruses including guinea pig retrovirus, guinea pig cytomegalovirus, and guinea pig herpes-like virus.	1986-1987
b. 39, f. 22	Pathogenesis of GPHLV : In Situ Hybridization	
b. 39, f. 23	Pathogenesis of GPHLV: Virus Purification	1986-1987
b. 39, f. 24	Pathogenesis of GPHLV: Electron Microscopy	1986-1987
b. 39, f. 25	Fixing Cells in Suspension	1987
b. 39, f. 26	Immune Electron Microscope (IEM)	1987
b. 39, f. 27	In Situ Hybridization: Immunogold-Silver Staining (IGSS) and Avidin-Biotin Complex Immunoperoxidase (ABC-IP) According to John Booss, the procedures in these folders on In Situ Hybridization were state-of-the-art for the time.	1987
b. 39, f. 28	In-Situ Hybridization: Notes and Drafts	1987
b. 39, f. 29	Laboratory Safety Guidelines	1989-1990
	Subseries 2: Experiments These are annotated photographs of bottles or cells glued on pages, previously organized in three-ringed notebooks. Arranged by rough chronological date. Similar material may be found in "Additional Research Materials," Boxes 50-56.	1956-1997
b. 40, f. 1	Factors Influencing Plaque Formation: Introduction Box 40 From a binder labeled "Effect of pH and Temperature: Polioviruses D and T," this important early work on poliovirus, likely done with Joseph Melnick, contains bottle cultures for studying experimental conditions for polioviruses, among others.	1956-1959
b. 40, f. 2	Factors Influencing Plaque Formation: Host-cell susceptibility	1956-1959
b. 40, f. 3	Factors Influencing Plaque Formation: Nutrient Requirements	
b. 40, f. 4	Factors Influencing Plaque Formation: Effect of Light	1956-1959
b. 40, f. 5	Factors Influencing Plaque Formation: Effect of pH and Temperature	1956-1959
b. 40, f. 6	Factors Influencing Plaque Formation: Poliovirus (Virulent Strains)	1956-1959
b. 40, f. 7	Factors Influencing Plaque Formation: Poliovirus (Avirulent Strains)	1956-1959
b. 40, f. 8	Factors Influencing Plaque Formation: Stool Samples and Isolations	1956-1959
b. 40, f. 9	Factors Influencing Plaque Formation: Monkey Cords and Isolations	1956-1959
b. 40, f. 10	Factors Influencing Plaque Formation: Effect of CO <sub>2</sub> +NaOH	1956-1959
b. 40, f. 11	Factors Influencing Plaque Formation: Recombination	1956-1959

## Subseries 2: Experiments (continued)

b. 40, f. 12	Kidney Cell Cultures: Animal Kidney Cells From binder labeled "Human Cell Culture, Kidney Cell Culture, Cultivation of Cells, a record of early tissue culture from different species, including primate, rodent, swine, bovine, canine, avian, and ovine, with photomicrographs of cells from these various animal species as illustration. Additionally, there are detailed illustrations of tissue culture techniques.	1957-1959
b. 40, f. 13	Kidney Cell Cultures: Human Kidney Cells	1957-1959
b. 40, f. 14	Kidney Cell Cultures: Cultivation of Cells	1957-1959
b. 40, f. 15	X-Ray Irradiation of Cell Cultures: Capuchin Monkey Cultures From a folder labeled "X-Ray Irradiation Variation and Mutation," this experiment from early in Hsiung's career contains pictures of cells before and after radiation treatment from a variety of animal models, including capuchin, rhesus and patas monkeys as well as mice. Later files feature the stoppered bottle cultures that Hsiung and Melnick developed to incubate viruses, with notes on recognized cytopathic effect.	1958
b. 40, f. 16	X-Ray Irradiation of Cell Cultures: Rhesus Monkey Cultures	
b. 40, f. 17	X-Ray Irradiation of Cell Cultures: Patas Monkey Cultures	1958
b. 40, f. 18	X-Ray Irradiation of Cell Cultures: Coxsackie B2	1958
b. 40, f. 19	X-Ray Irradiation of Cell Cultures: Plaque Morphology of Rhesus and Patas Cultures	1958
b. 40, f. 20	X-Ray Irradiation of Cell Cultures: Variation and Mutation	1958
b. 40, f. 21	X-Ray Irradiation of Cell Cultures: Mice Cultures	1958
b. 41, f. 1	Isolation and Identification of Viruses: Virus Identification From a folder labeled "Isolation and Identification 1964-1967," Adenovirus in HEP-2 cells study and poliovirus/antibodies studies, including procedures, primary data, and case studies from Hsiung's time at NYU in 1966.	1964-1967, 1984
b. 41, f. 2	Isolation and Identification of Viruses: Neutralization, Agaroverlay, "Sudden Death" Cases	1964-1967
b. 41, f. 3	Isolation and Identification of Viruses: Patient Autopsies	1964-1967
b. 41, f. 4	Isolation and Identification of Viruses: Antibody Studies	1964-1967
b. 41, f. 5	Isolation and Identification of Viruses: Adenoviruses	1964-1967
b. 41, f. 6	Measles and Respiratory Syncytial Virus: Measles From folder labeled "Measles RS", these files contain tissue cultures, bottle cultures and photomicrographs of measles and respiratory syncytial virus in various animal models and cell types.	1965
b. 41, f. 7	Measles and Respiratory Syncytial Virus: Respiratory Syncytial Virus (RSV)	1965
b. 41, f. 8	Measles and Respiratory Syncytial Virus: Monkey Measles CPE	1965

## Subseries 2: Experiments (continued)

b. 41, f. 9	DA Myxovirus: Isolation and Identification From a folder labeled "DA Myxovirus", these files contain images of cell cultures and bottle cultures of various viruses, primarily DA virus. Hsiung was responsible for isolating and contributing DA virus to the American Type Culture Collection (ATCC)	1965
b. 41, f. 10	DA Myxovirus: Autoinference	1965
b. 41, f. 11	DA Myxovirus: Naples Virus	1965
b. 41, f. 12	DA Myxovirus: Effect of Ether Treatments	1965
b. 41, f. 13	DA Myxovirus: Neutralization of Naples Virus	1965
b. 41, f. 14	DA Myxovirus: Hemadsorption Virus (HA virus)	1965
b. 41, f. 15	DA Myxovirus: Newcastle Disease Virus (NDV)	1965
b. 41, f. 16	Chronic Bronchitis: Patient Data This file contains primary data, a partial reduction of data and a brief summary manuscript. The study is associated with Dr. Robert Green.  Access to this file is restricted due to patient information.	1965
b. 41, f. 17	Chronic Bronchitis: Reduced Data/Summary	
b. 42, f. 1	Simian Adenovirus Tumors in Hamsters: Tumor Dissection Experiments on tumors induced by simian adenovirus (SV20) in hamsters, with manuscripts, photographs of tissue and cell cultures, notes and some primary data.	1967
b. 42, f. 2	Simian Adenovirus Tumors in Hamsters: Cultures from Tumors	1967
b. 42, f. 3	Simian Adenovirus Tumors in Hamsters: Notes and Data	1967
b. 42, f. 4	Simian Adenovirus Tumors in Hamsters: SV20 Tumor Cells	1967
b. 42, f. 5	Simian Adenovirus Tumors in Hamsters: Manuscripts	1967
b. 42, f. 6	Parainfluenza-3 and Cell Fusion in Hep-2 cells Study of parainfluenza-3 and cell fusion in Hep-2 cells, with references and photomicrographs	1968
b. 42, f. 7	Equine Viruses: Primary Data From a binder labelled "Horse Cultures", this unusual study of naturally occurring equine viruses includes primary data, prints of equine viruses, and a summary of the differences between naturally occurring viruses in hamsters, rabbits and horses.	1968
b. 42, f. 8	Equine Viruses: Summary	1968
b. 42, f. 9	Equine Viruses: Prints I	1968
b. 42, f. 10	Equine Viruses: Prints II	1968
b. 42, f. 11	Equine Viruses: Prints III	1968

## Subseries 2: Experiments (continued)

b. 42, f. 12	Chronic Bronchitis: 1967-1968 Data/Minutes This file contains primary data, procedures, and minutes from the bronchitis study group. This study was associated with Dr. Robert Green.	1967-1970
b. 42, f. 13	Chronic Bronchitis: 1969 Data	1967-1970
b. 42, f. 14	Chronic Bronchitis: 1970 Data	1967-1970
b. 42, f. 15	Chronic Bronchitis: Pleuropneumonia-like Organisms/References	1967-1970
b. 43, f. 1	Reovirus, Arbovirus and Pleuropneumonia-like Organisms: Identification From folder labeled "Reovirus, Arbovirus" with added "PPLO", this contains pictures and bottle cultures identifying the listed viruses in cultures from animal models. The first tab, reovirus, is labeled "ECHO-10", and contains a variety of ECHO viruses as well as Simian Viruses.	1969-1970
b. 43, f. 2	Reovirus, Arbovirus and Pleuropneumonia-like Organisms: Reovirus (ECHO-10)	1969-1970
b. 43, f. 3	Reovirus, Arbovirus and Pleuropneumonia-like Organisms: Pleuropneumonia-like Organisms (PPLO)	1969-1970
b. 43, f. 4	Reovirus, Arbovirus and Pleuropneumonia-like Organisms: Arbovirus	1969-1970
b. 43, f. 5	Simian Cytomegalovirus: Primary Data This and the next two files contain primary data and photographs on simian cytomegalovirus, comparing it to cytomegalovirus found in rabbits and in humans. The electron micrographs are faded, but the viruses are still recognizable.	1969
b. 43, f. 6	Simian Cytomegalovirus: Photographs for Comparative Study of Cytomegalovirus	
b. 43, f. 7	Simian Cytomegalovirus: Electron Micrographs	1969
b. 43, f. 8	Leukocyte Cultures: Procedures and Experiments These files contain procedures and primary data on early work with leukocyte cultures.	1969
b. 43, f. 9	Leukocyte Cultures: Procedures and Experiments	1970
b. 43, f. 10	Leukocyte Cultures: Procedures	1970-1977
b. 43, f. 11	Leukocyte Cultures: Soft Agar Method and Experiments	1971
b. 43, f. 12	Antigenic Crossing Between Herpesvirus Contains some reference materials, including reprints and correspondence, as well as primary data from experiments	1970-1971
b. 43, f. 13	Macrophages Cell types and tissue cultures of two different viruses, guinea pig cytomegalovirus and guinea pig herpes simplex	1971

## Subseries 2: Experiments (continued)

b. 43, f. 14	Guinea Pig Herpes-Like Virus Gross Protein Analysis This file contains electron micrographs and a manuscript draft titled "The Purification of a Guinea Pig Herpes-Like Virus and Characterization of its Structural Proteins". The actual date of this file is unknown.	1972
b. 43, f. 15	Guinea Pig C-Type Virus: Replication of Guinea Pig Herpesvirus in Cell-line Carrying Guinea Pig C-Type Virus This study looks for a connection between Guinea Pig Leukemia, C-Type Virus and Herpesvirus; the files contain manuscripts, electron micrographs, primary data and data reduction	1972-1974
b. 43, f. 16	Guinea Pig C-Type Virus: Viral Etiology of Guinea Pig Leukemia	1972-1974
b. 43, f. 17	Guinea Pig C-Type Virus: Reduction of Data	1972-1974
b. 43, f. 18	Guinea Pig C-Type Virus: Primary Data	1972-1974
b. 43, f. 19	Guinea Pig Herpes-Like Virus/Retrovirus Many different experiments on guinea pig herpes-like virus (HLV) and retrovirus (RV), with procedures, summaries, and primary data	1972-1977
b. 43, f. 20	Leukocyte Cultures and Guinea Pig Herpesvirus This file contains primary data from experiments done in collaboration with Aldo Gonzalez-Serva on guinea pig leukocyte cultures	1975-1977
b. 44, f. 1	Guinea Pig Viruses in Control Animals Primary data on the presence of viruses in control animals, particularly naturally occurring cytomegalovirus/herpes-like virus in non-sick animals	1977
b. 44, f. 2	Adenovirus, Herpes, Vaccinia: Prints From a binder labeled "Adenovirus, Herpes, Vaccinia, Molluscum Contagiosum", quality prints of early enterovirus designations, including Hep 2, adenovirus, APC, EBCO	1978
b. 44, f. 3	Adenovirus, Herpes, Vaccinia: APC Viruses Prints	1978
b. 44, f. 4	Adenovirus, Herpes, Vaccinia: ECBO and Canine Hepatitis Prints	1978
b. 44, f. 5	Comparison of Guinea Pig Cytomegalovirus and Guinea Pig Herpes Like Virus Contains electron micrographs of cell cultures for comparison of GPCMV and GPHLV, with negatives	1978-1979
b. 44, f. 6	Comparison of Guinea Pig Cytomegalovirus and Guinea Pig Herpes Like Virus: Charts and Figures	1978
b. 44, f. 7	Transformation of Guinea Pig Leukocytes: Procedures Detailed procedures and techniques for transformations of guinea pig leukocytes.	1979
b. 44, f. 8	Transformation of Guinea Pig Leukocytes: Experiments	1979
b. 44, f. 9	Transformation of Guinea Pig Leukocytes: T.F. Stock Virus	1979
b. 44, f. 10	Transformation of Guinea Pig Leukocytes: Lymphocyte Subcultures	



## Subseries 2: Experiments (continued)

b. 44, f. 11	Transformation of Guinea Pig Leukocytes: GPE Monolayer Subcultures 01/1980	1979
b. 44, f. 12	Transformation of Guinea Pig Leukocytes: Animal Inoculation	1979
b. 44, f. 13	Infection of Pregnant Guinea Pigs with Cytomegalovirus	1980
b. 44, f. 14	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 1 The files on this antiviral study contain primary data and some data reduction. The guinea pig viruses herpes simplex virus-2 and herpes-like virus were used as models for genital herpes and treated with acyclovir.	1980
b. 44, f. 15	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 2	1980
b. 44, f. 16	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 3	1980
b. 44, f. 17	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 4	1980
b. 44, f. 18	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 5	1980
b. 44, f. 19	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Experiment 6	1980
b. 44, f. 20	Effect of Acyclovir on HSV-2 and GPHLV: HSV-2 Summary	1980
b. 44, f. 21	Effect of Acyclovir on HSV-2 and GPHLV: GPHLV Experiment 1	1980
b. 44, f. 22	Effect of Acyclovir on HSV-2 and GPHLV: GPHLV Experiment 2	1980
b. 44, f. 23	Effect of Acyclovir on HSV-2 and GPHLV: GPHLV Experiment 3	
b. 45, f. 1	Guinea Pig Herpes-Like Virus T and B Cells Photomicrographs, slides, and manuscripts as part of a study done in collaboration with Kenneth Dowler on Guinea Pig Herpes-Like Virus and immunosuppression.	1983
b. 45, f. 2	Cyclophosphamide Immunosuppression of Guinea Pig Herpesvirus This file contains primary and reduced data, as well as slides, photographs, charts, and graphs, related to the cyclophosphamide immunosuppression study.	1984
b. 45, f. 3	Retrovirus Growth of Stock: Procedures From binder labeled "Retrovirus 1984: Growth of Stock", research includes prints, explanation of protocols and article "Polypeptides of BrdU-Induced Guinea Pig Oncornavirus and Particles"	1984
b. 45, f. 4	Retrovirus Growth of Stock: Prints	1984
b. 45, f. 5	Cyclosporine-A Immunosuppression on Lymphotropic Herpesvirus This file contains reduced data and a manuscript for an antiviral study of Cyclosporine-A on Guinea Pig Lymphotropic Herpesvirus	1985
b. 45, f. 6	Guinea Pig Herpes-Like Virus Antiviral Studies: Summary Summary of antiviral studies being tested on guinea pig herpes-like virus in Dr. Hsiung's laboratory from 1980 to 1986, including antiviral agents ACV, FMAU, BW 1117, BW 767, and UM 102	1987

## Subseries 2: Experiments (continued)

b. 45, f. 7	HPMPC, HPMPA, PMEG, DHPG Drug Study: Introduction From a binder labelled "HPMPC, HPMPA, PMEG, DHPG", primary data on an antiviral drug study for guinea pig cytomegalovirus	1988-1989
b. 45, f. 8	HPMPC, HPMPA, PMEG, DHPG Drug Study: BMY 40084 and BMY 40085	1988-1989
b. 45, f. 9	HPMPC, HPMPA, PMEG, DHPG Drug Study: BMY 40251 and DHPG	1988-1989
b. 45, f. 10	HPMPC, HPMPA, PMEG, DHPG Drug Study: BMY 40444 and BMY 41671	1988-1989
b. 45, f. 11	164 and DHPG Experiments Contains primary data and related paper on experiments with antiviral agents 164 and DHPG	1988-1989
b. 45, f. 12	Effect of Compound 102 and 164 on Guinea Pig Cytomegalovirus: Experiment Data Primarily Electron micrographs, with explanation of objectives, procedure, and some data	1989
b. 45, f. 13	Effect of Compound 102 and 164 on Guinea Pig Cytomegalovirus: Virus Control Electron Micrographs	1989
b. 45, f. 14	Effect of Compound 102 and 164 on Guinea Pig Cytomegalovirus: Compound 102 Electron Micrographs	1989
b. 45, f. 15	Effect of Compound 102 and 164 on Guinea Pig Cytomegalovirus: Compound 164 Electron Micrographs	
b. 45, f. 16	Effect of Compound 102 and 164 on Guinea Pig Cytomegalovirus: 102 and 164 Electron Micrographs	1989
b. 45, f. 17	Evaluation of Antiviral Activity of Compound HPMPC on GPCMV in vivo Antiviral drug studies on the effect of agent HPMPC on GPCMV, experiments 5 and 6; includes protocol and methodology, primary data, some data reduction	1989
b. 46, f. 1	2'-nor-cGMP/DHPG Combination Study: Protocols Antiviral drug testing of 2'-nor-cGMP and DHPG, including primary data, correspondence, protocols, and resulting publications, with additional guinea pig doodles	1990
b. 46, f. 2	2'-nor-cGMP/DHPG Combination Study: Experiments I and II	1990
b. 46, f. 3	2'-nor-cGMP/DHPG Combination Study: Experiments III, IV, and V	1990
b. 46, f. 4	2'-nor-cGMP/DHPG Combination Study: Summary/Publications	1990
b. 46, f. 5	DHPG/AZT Combination Study: Part 1 Antiviral study of DHPG and AZT on guinea pigs, in vivo and in vitro. Submitted Article: "Zidovudine Antagonizes the Antiviral Effects Against CMV Infection in Cultured Cells and in Guinea Pigs," 1992. Presentation: "Combined Antiviral Effect and Cytotoxicity of Ganciclovir and Azidothymidine against CMV Infection in Cultured Cells," New Orleans, 1991.	1991-1992
b. 46, f. 6	DHPG/AZT Combination Study: Part II	1991

## Subseries 2: Experiments (continued)

b. 46, f. 7	HCMV-HIV Interaction: Introduction From folder labeled "HCMV-HIV-Interaction", these files contain primary data, correspondence, protocols and electron microscopy for a study done on HCMV and HIV. Miriam Margalith and Martin Hirsch were involved as investigators.	1991
b. 46, f. 8	HCMV-HIV Interaction: Part I to Part III	1990
b. 46, f. 9	HCMV-HIV Interaction: Correspondence and Primary Data	1991
b. 46, f. 10	HCMV-HIV Interaction: Experiment VIII	1991
b. 46, f. 11	HCMV-HIV Interaction: Experiment X	1991
b. 46, f. 12	HCMV-HIV Interaction: Electron Micrographs	1991
b. 46, f. 13	HCMV-HIV Interaction: HCMV/HEF Virus Control Electron Micrographs	1991
b. 46, f. 14	HCMV-HIV Interaction: Light Microscopy Day 7-21	1991
b. 46, f. 15	Dolphin Cell Cultures Collaboration with Charles Buck and Daniel Medina.	1991-1993
b. 46, f. 16	Virus Isolate 176: Correspondence 1992 Collaboration with Charles Buck: virus identification and isolation for a culture taken from female orca whale. Additional discussion of herpesvirus in marine animals, including seals and dolphins.	1992-1994
b. 46, f. 17	Virus Isolate 176: Correspondence 1993	1992-1994
b. 46, f. 18	Virus Isolate 176: Correspondence 1994	1992-1994
b. 46, f. 19	Virus Isolate 176: Electron Micrographs/Slides	1992-1994
b. 46, f. 20	Virus Isolate 176: Background Citations	1992-1994
b. 46, f. 21	Hepatitis C Virus Liver Biopsy From a file labeled "Liver Biopsy-Tainan", this early example of Hepatitis C Virus studies contains electron micrographs of a liver biopsy from Caroline Fong and Daniel Medina as well as two hepatitis C conference pamphlets from 1997.	1994-1997
Subseries 3: Data Record Books and Laboratory Log Books		
	Laboratory notebooks on Guinea Pig Herpes-Like Virus (GPHLV) Nineteen bound laboratory notebooks on lymphocyte transformation by Guinea Pig Herpes-Like Virus (GPHLV), with transformation assays; antiviral studies of the effect of acyclovir on guinea pig herpes-like virus; and many other studies in vitro and in vivo. Authors of the laboratory notebooks from G. D. Hsiung's laboratory in the VA include Jane Armstrong, Kenneth Dowler, Zoltan Nagy, and Thomas Brady.	1979-1988

## Subseries 3: Data Record Books and Laboratory Log Books (continued)

	Laboratory notebooks on Guinea Pig CMV, HIV, and AZT Bound laboratory notebooks from G. D. Hsiung's laboratory in the VA on Guinea Pig CMV, HIV, and AZT, the first successful drug against AIDS. The notebooks also examine other antiviral agents against HIV. Authors of the notebooks include Juesen Feng, Zhihua Yang, M. Tung, Robin Emrick, and Pei Yu Tian. One notebook contains studies on Yale researcher Dr. William Prusoff's compounds.	1988-1991
	Laboratory log books on the running of the Virology Laboratory Includes records of photographic data, use of microscopes; record of isotopes sent to the VA Virology Laboratory; logbook of drugs received for an NIH contract including correspondence tipped in; record of animals; logbook of new drugs; journal subscriptions of the laboratory; records of Hsiung's "entertainment" expenses, her costs of attendance at scientific meetings, and her dues for professional societies.	
Subseries 4: Additional Research Materials		
b. 50, f. 1	Viruses Submitted to the American Type Culture Collection (ATCC) Viruses Dr. Hsiung submitted to the American Type Culture Collection, primarily DA5 and SV40.	1963-1968
b. 50, f. 2	ATCC Virus Inventory Correspondence of the Viral and Rickettsial Registry and Distribution Center of the ATCC with Hsiung, and inventory of virus specimens in the registry, 1963.	1963
b. 50, f. 3	Research with ATCC: Chromosome Study of DA and SV40	1963
b. 50, f. 4	Research with ATCC: SV40 Virus Comparison Part of a collaboration with Charles Buck. Includes electron micrographs of SV40	1994
b. 50, f. 5	Memoranda of Sending/Receiving Cell Cultures	1989-1991
b. 50, f. 6	Ideas for Research Materials together as found. Heterogeneous notes for research topics. Includes an undated map of the offices in the Virology Laboratory.	1970-1990
b. 50, f. 7	BW 1117/ BW 767 Anti-Viral Study GPCMV and GPHLV funded by Burroughs-Wellcome Includes correspondence and some data.	1984-1987
b. 50, f. 8	Antiviral study BW1117 Primary data and data reduction for antiviral study BW1117 for Burroughs Wellcome. With Jane Armstrong and Zoltan Nagy.	1985
b. 50, f. 9	Proposal to Pfizer on evaluation of an anti-viral compound Proposal includes basic procedures for testing drugs in the guinea pig model with genital herpes, and "The Effect of Phosphonoformate on Genital Herpes in Guinea Pigs."	1981

## Subseries 4: Additional Research Materials (continued)

b. 50, f. 10	Photomicrographs of CPE and plaques in bottle cultures The first three folders contain photomicrographs of Virus isolation of various viruses: arbovirus, herpes, polio. Photographs, found together in a box, are glued to card stock and are sometimes labeled.	1960s
b. 50, f. 11	Photomicrographs of CPE and plaques in bottle cultures	1960s
b. 50, f. 12	Photomicrographs of CPE and plaques in bottle cultures	1960s
b. 51, f. 1	"Parainfluenza 5": Isolation, Properties, Serology (1) Very early studies on the DA virus including primary data and bottle cultures. Compares DA with SV5 and SA. This and the next folder were removed from a ring notebook.	1957-1967
b. 51, f. 2	"Parainfluenza 5": Isolation, Properties, Serology (2)	1957-1967
b. 51, f. 3	Isolation of DA Virus (1) This and the next two folders were removed from a notebook labelled "DA Hemadsorption Para 1 and Non Sp." Consists of small photographs attached to paper backing.	1962
b. 51, f. 4	Isolation of DA Virus (2)	1962
b. 51, f. 5	Isolation of DA Virus (3)	
b. 51, f. 6	"TA Virus" Rhesus monkey kidney, origin of TA virus.	1967-1968
b. 51, f. 7	Chronic Bronchitis and Emphysema - clinical project with Dr. Robert Green (Restricted) Robert Green was an infectious diseases clinician. The material contains patient names.	1968
b. 51, f. 8	Photomicrographs: Original isolation of GPHLV, 1969 February 14 (Hsiung and Kaplow)	1969-1970
b. 51, f. 9	"Organ Cultures" (1) Data on antiviral study of GPHLV in vivo (rabbits, LA229), and isolation of viruses from various organs in various animals. This and the next folder were removed from a ring notebook.	1971-1972
b. 51, f. 10	"Organ Cultures" (2)	1971-1972
b. 52, f. 1	Guinea Pig C - C-type Virus Particles (1) This and the next two folders were removed from a notebook labelled "Guinea Pig C." Contains photomicrographs of cancer-causing viruses and leukemic cells.	1971-1972
b. 52, f. 2	Guinea Pig C - C-type Virus Particles (2)	1971-1972
b. 52, f. 3	Guinea Pig C - C-type Virus Particles (3)	1971-1972
b. 52, f. 4	Guinea Pig Leukemia (1) Electron micrographs of C-type leukemia in guinea pigs, important for oncology of viruses in animals, BUDR treatments.	1971-1974

## Subseries 4: Additional Research Materials (continued)

b. 52, f. 5	Guinea Pig Leukemia (2) Also contains reprints on the isolation of DA virus.	1971-1975
b. 53, f. 6	Electron micrographs of embryo budding herpesvirus With correspondence with M. A. Epstein, Department of Pathology, University of Bristol.	1974
b. 52, f. 7	Antiviral FMAU - Guinea Pig Lymphotropic Herpes (1) This and the next folder were removed from a ring binder. Primary data and some reduced data.	1974-1984
b. 52, f. 8	Antiviral FMAU - Guinea Pig Lymphotropic Herpes (2)	1974-1984
b. 52, f. 9	Photos and charts, probably for classes (1) This and the next two folders contain mounted images that Dr. Booss thought Hsiung might have used in teaching. These were removed from a box. They include images of tissue cultures, photomicrographs, serological assays, diagrams of apparatus, and in vivo experiments.	ca. 1977
b. 52, f. 10	Photos and charts, probably for classes (2)	ca. 1977
b. 52, f. 11	Photos and charts, probably for classes (3)	ca. 1977
b. 53, f. 1	Photographs - Genital Herpes	ca. 1982-1984
b. 53, f. 2	Photographs -- Guinea Pig Genital Herpes Latency (1) This and the following folder were removed from a notebook. Guinea pig model for vaginal herpes, images of cell culture, tissue culture, organ specimens, simplex model.	1984
b. 53, f. 3	Photographs -- Guinea Pig Genital Herpes Latency (2)	1984
b. 53, f. 4	Photomicrographs - New Jersey Study, Michalski Experiment 1 Hsiung's collaboration with Frank J. Michalski, Ph.D., Virology Laboratory, Meth Path, Teterboro, New Jersey.	1987 August 5
b. 53, f. 5	Photomicrographs - Michalski Experiment 2	1987 August 24
b. 53, f. 6	Correspondence on collaboration with Frank Michalski, Belinda Yen- Lieberman, and Mark Liu This relates to a "collaboration on studies of clinical specimens of obtained from patients possibly infected with HIV." There are no patient names. Mark Liu was associated with Johns Hopkins University and the Pulmonary Division, Francis Scott Key Medical Center, Baltimore. Belinda Yen-Lieberman was at the Cleveland Clinic Foundation. Folder includes data and images exchanged.	1987-1988
b. 53, f. 7	"AIDS Virus Morphology" - Morphogenesis of HIV in H9 Cells	ca. 1987
b. 53, f. 8	HIV Morphology H9	ca. 1987
b. 53, f. 9	HIV B-G H9 "Fixed in paraformald."	
b. 53, f. 10	HIV CHU-5 Day 7 The photomicrographs in this and the following folders, related to HIV and AZT, are labeled according to experiment number.	1988

## Subseries 4: Additional Research Materials (continued)

b. 53, f. 11	HIV Experiment, Dr. Yang, Day 10	1988 April
b. 53, f. 12	HIV Experiment Dr. Yang CHU-5 AZT-HMBBAU, Day 14	1988
b. 54, f. 1	HIV CHU-6 Day 7	1988
b. 54, f. 2	HIV CHU-6 Day 10	1988
b. 54, f. 3	HIV CHU-6 AZT and HMBBAU	
b. 54, f. 4	HIV CHU-7 Day 7 Low Power Fields	1988 July 29
b. 54, f. 5	HIV CHU-7 Day 7	1988 July
b. 54, f. 6	HIV CHU-8	1988 August
b. 54, f. 7	HIV CHU-8 Day 7	1988 September
b. 54, f. 8	HIV CHU-8 Day 10	1988 September
b. 54, f. 9	GPE-GPHLV "164" Antiviral Study (1)	1988-1989
b. 54, f. 10	GPE-GPHLV "164" Antiviral Study (2)	1988-1989
b. 54, f. 11	Parainfluenza 2 3	
b. 54, f. 12	Influenza A	1992
b. 54, f. 13	HLV In Vivo Experiments (1) Work done with Ken Dowler. This and the next folder were removed from a 3-ring notebook. Contains hematological data for HLV, primary and reduced data.	1992-1994
b. 54, f. 14	HLV In Vivo Experiments (2)	1992-1994
b. 55, f. 1	Original observation of SV40 Photograph of Dr. Hsiung's original image of the SV40 virus, working with Dr. Gaylord, 1957.	1957
b. 55, f. 2	Diagnostic virology reagents and techniques (1) This and the following folder were removed from a 3-ring binder. Among the techniques represented is the fluorescent antibody technique.	1960s
b. 55, f. 3	Diagnostic virology reagents and techniques (2)	1960s
b. 55, f. 4	Electromicrographs used for an EM course	1968
b. 55, f. 5	BEEM Capsule Technique for Electromicroscopy Folder contains very high resolution images taken with this technique.	1974
b. 55, f. 6	Collaboration with Dr. Todaro, NCI-NIH Folder contains hand-written notes on a proposed collaboration with Dr. Todaro on guinea pig oncornavirus.	1975
b. 55, f. 7	Techniques for evaluating antiviral agents with cell culture	1988 April
b. 55, f. 8	Photomicrographs: Cell cultures - CPE	

## Subseries 4: Additional Research Materials (continued)

b. 55, f. 9	Electromicrographs: Guinea-pig herpes-like virus and guinea pig retrovirus	
b. 55, f. 10	Antiviral experiments: Herpes simplex type 1 and 2, antiviral treatment in cell culture Folder contains photos of diagrams and graphs.	
b. 55, f. 11	Additional images (1) These were considered to be important or representative by Dr. John Booss.	
b. 55, f. 12	Additional images (2)	
b. 55, f. 13	Slides and other images of GPHLV used for teaching (1)	
b. 55, f. 14	Slides and other images of GPHLV used for teaching (2)	
b. 55, f. 15	Slides and other images of GPHLV used for teaching (3)	
b. 55, f. 16	Slides of various kinds of viruses, used for teaching	
b. 56, f. 1	Laboratory projects and programs Many of the folders in this box were in Hsiung's category "References." The category otherwise contained mostly photocopies of articles by others that were discarded. This folder contains lists of who was working on what in the laboratory.	1975-1978
b. 56, f. 2	Requests for drugs and chemicals to test	1969-1973
b. 56, f. 3	Cell culture in vitro: Comparison of immunohistology	1986
b. 56, f. 4	Various comparisons of viruses: tables and notes	
b. 56, f. 5	Chart of types of assays to locate a virus	
b. 56, f. 6	Notes on genital herpes	
b. 56, f. 7	Notes on cytomegalovirus	
b. 56, f. 8	Notes on animal care in the laboratory	
b. 56, f. 9	Talk and slides on Epstein-Barr virus Talk may be by Stanley McCormick. 38 slides developed locally in Hamden, Connecticut, and probably from Dr. Hsiung's laboratory.	
b. 57, f. 1	Binder: GPHLV 2 x2 inch slides, probably for lectures	undated
b. 57, f. 2-3	Binder: GPHLVA + CsA pathogenesis Includes data/photomicrograph slides, electron microscopy, and correspondence regarding HLV and cyclosporine A.	circa 1986
b. 57, f. 4	Binder: GPHLV pathogenesis identical cell types Slides of procedures, B-cell/T-cell, virus-infected cells, venture into immunology.	circa 1987
b. 58, f. 1-2	Binder: Guinea pig culture Photographs	undated



Subseries 4: Additional Research Materials (continued)

b. 58, f. 3

Binder: Simian viruses  
Slides

circa 1979-1981

---

---

## Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### Subjects

Adenoviruses  
Arboviruses  
Cytomegalovirus infections  
Diagnostic virology -- Taiwan  
Diagnostic virology -- United States  
Electron microscopy  
Enteroviruses  
Guinea pigs as laboratory animals  
Guinea pigs -- Diseases  
Herpesviruses  
HIV (Viruses)  
HIV infections  
Leucocytes  
Leukemia  
Measles virus  
Medical laboratories -- Connecticut  
Medical laboratory technology  
Medical microscopy  
Medicine -- Study and teaching (Graduate) -- Connecticut  
Parainfluenza viruses  
Poliovirus  
Reoviruses  
Retroviruses  
Virology -- Cultures and culture media  
Virology -- Research  
Virus diseases -- Animal models  
Virus diseases -- Diagnosis  
Viruses -- Classification  
Viruses -- Identification  
Viruses -- Isolation  
Viruses -- Morphology

### Genres / Formats

Photographs  
Photomicrographs  
Scrapbooks

### Occupations

Virologists -- Connecticut  
Women in science -- Connecticut

### Names

Armstrong, Jane  
Bia, Frank J.  
Booss, John  
Brady, Thomas G.  
Chan, Veronica Fernandez  
Dowler, Kenneth  
Emrick, Robin  
Feng, Juesen  
Fong, Caroline K. Y.  
Green, Robert Holt  
Hsiung, G. D. (Gueh Djen), 1918-  
Landry, Marie L., 1948-  
McCormick, Stanley  
Melnick, Joseph L., 1914-2001  
Michalski, Frank  
Nagy, Zoltán  
Paul, John R. (John Rodman), 1893-1971  
Prusoff, William Herman, 1920-2011  
Seligson, David, 1916-  
Swack, Norman S.  
Tian, Pei-Yu  
Tung, Mary Beth  
Wang, Jen Ren  
Xiang, Jinmin  
Yang, Zhihua  
Zheng, Zhi-Ming

### Corporate Bodies

American Society for Microbiology  
American Type Culture Collection  
Guo li Chenggong da xue  
Hubei Medical College (Taiwan)  
Interscience Conference on Antimicrobial Agents and Chemotherapy  
Michigan State University  
New York University. Medical Center  
Pan American Group for Rapid Viral Diagnosis  
United States. Veterans Administration  
Veterans Administration Hospital Medical Center (West Haven, Conn.)  
Wuhan University. School of Medicine  
Yale-China Association  
Yale University. Department of Epidemiology and Public Health

Yale University, School of Medicine.  
Department of Laboratory Medicine