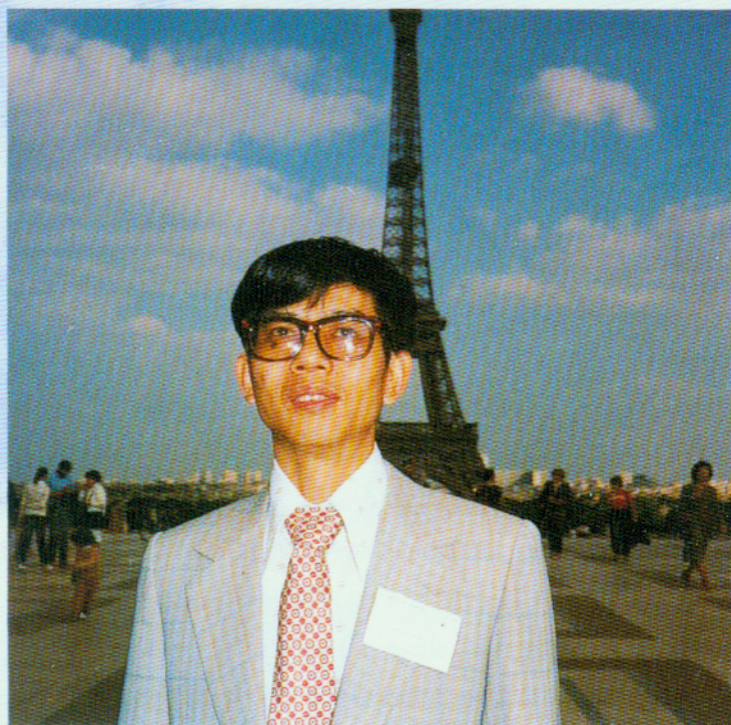


In Memory of Professor Fung-Win Shen (1946-1995)
as we remember him ;

淡泊寧靜-----

我們記憶中的沈豐文教授





Exhibition In Memory of Professor F.W. Shen(1946--1995) **-----as we remember him**

About Dr. Fung-Win Shen

Dr. Fung-Win Shen was born on April 21, 1946 in Tainan, Taiwan. He received his B.S. degree from Fu-Jen Catholic University in 1968 and from there he went on to receive his M.S. and Ph.D. degrees from the University of New Mexico in Albuquerque in 1971 and 1973, respectively. Dr. Shen joined Memorial Sloan-Kettering Institute in 1974 and worked through the ranks to the Head of Laboratory of Mammalian Immunogenetics. During which time, he was also the associate Professor of the Graduate School of Medical Sciences in Cornell University. He joined the faculty of the Department of Medical Microbiology and Immunology of the University of South Florida in 1987. Dr. Shen returned to his native country in 1992 and in 1994 established and became the Director of the Graduate Institute of Immunology at the College of Medicine of the National Taiwan University, the very first institute in Taiwan fully dedicated to research in immunology. Dr. Shen suffered a massive heart attack unexpectedly and passed away on May 21, 1995. He is survived by his wife and three daughters. Dr. Shen will be deeply missed by all who have come to know him.

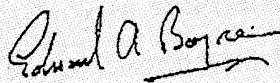
A Tribute To F-W Shen

The stature and record of a research scientist are not hard to find. They are there in the scientific literature for all to see who wish to. Generally this does not inform us of an individual's stature and worth as a person.

With Fung-Win Shen, however, I believe we have an exception. It is true that he had an exceptional gift for comprehending more than one scientific discipline, which is often cited as one road to success in research, namely molecular biology and immunology in the case of Dr. Shen.

But this alone can hardly account for the extraordinary variety of Shen's collaborators and collaborative studies, which speak to much more than an aptitude for research. They testify to his admirable qualities as a person, to his congenial and generous temperament, to his regard for others.

In a word, his scientific record explains why he had so many friends.



Edward A. Boyse MD FRS

Distinguished Professor

Department of Microbiology and Immunology,

The University of Arizona

Prof. Boyse is a long-term friend and professional associate of Prof. F. W. Shen

Professor F. W. Shen, as we remember him.....

Education:

1968 B.S. Fu-Jen Catholic University, Taipei, Taiwan

1971 M.S. University of New Mexico, Albuquerque

1973 Ph.D. University of New Mexico, Albuquerque

"He had a strong desire to gain new knowledge and to apply that knowledge to help people. He loved science and was very willing to share his knowledge and his resources with people."

*---By Professor Sei Tokuda, Chair Emeritus
School of Medicine, University of New Mexico
(The supervisor of Prof. Shen's Ph.D. dissertation)*

Academic Appointments

- 1978-1983 Assistant Professor, Sloan-Kettering Division, Cornell University
Graduate School of Medical Sciences
- 1983-1987 Associate Professor, Sloan-Kettering Division, Cornell University
Graduate School of Medical Sciences
- 1987-1992 Professor, Department of Medical Microbiology and Immunology,
University of South Florida
- 1988-1992 Courtesy Professor, Department of Biology, University of South
Florida

*"He was a wonderful man and a great scientist, and I know that he was
an inspiration to his students."*

---by Professor Sei Tokuda

*"I feel very sorry as I lost my brother. I learned a lot of things and
scientific consideration from Dr. Shen in New York and Florida.....He
is an excellent scientist and very good teacher as well."*

---by Dr. Akihiro Matsuura

*Assistant Professor, Department of Pathology
Sapporo Medical University, Japan
(A postdoctoral fellow of Prof. Shen)*

“沈教授是個極具草根性的人，他爲了實現爲自己的國家貢獻所學
的理想而回到台灣。這種愛鄉土、愛親友、愛祖國之情懷與執著
甚於常人。”

*"Both his eagerness to promote immunological research and passion
for his native homeland, brought him back to Taiwan three years ago,
during which he had worked tirelessly and contributed selflessly
towards his goals, hoping to repay his beloved country and people
whole-heartedly."*

台大醫學院外科教授 張金堅

---by King-Jen Chang, M.D. Ph.D.

*Professor of Surgical Department, College of Medicine,
National Taiwan University*

1992-1993 Visiting Professor, Graduate Institute of Microbiology, College of
Medicine, National Taiwan University

1993-1994 Professor, Graduate Institutes of Immunology and Microbiology,
College of Medicine, National Taiwan University

1994-1995 Director, Graduate Institute of Immunology, College of Medicine,
National Taiwan University

"沈教授，我知道您即使在病中，最關心的仍是免疫所的未來，而您那些未完成的心願，我誓將繼續完成，使免疫所持續發展下去。相信在您的祝福之下，免疫所定會更加茁壯。"

"Dear Prof. Shen, I know that the you were concerned about the future of the Graduate Institute of Immunology at College of Medicine in NTU while you were sick and perhaps you might have left the world with much regrets and unfulfilled dreams.....I promised to accomplish some of the unfinished tasks on your behalf and I am confident that with your blessing, the Graduate Institute of Immunology in NTU will continue to grow from strength to strength"

台大醫學院前免疫所所長(1993-1994) 莊哲彥

---by Professor Che-Yen Chuang

*Director of the Graduate Institute of Immunology (1993-1994)
College of Medicine, National Taiwan University*

"沈老師不僅帶領我走進學術研究的世界，也教給我許多做人做事的道理，然而，在我的心中，他更像一個慈愛的父親.....與他相處的一千多個日子將使我永遠懷念!"

Professor Shen had inspired me into the world of academic research and he was a mentor in my life. Deep in my heart, he was more like a passionate father.....I dearly treasure the days that we spent together!"

研究生 李孜容

---by Tz-rung Li, a graduate student of Prof. Shen

Research Appointments

- 1974-1975 Research Fellow, Sloan-Kettering Institute
1975-1976 Research Associate, Sloan-Kettering Institute
1977-1980 Associate, Sloan-Kettering Institute
1981-1987 Associate Member, Sloan-Kettering Institute

"I remember him as a talented professional with a deep devotion to his work and as a cheerful and affable colleague, eager to help his associates and his friends."

---by Stephen S. Wachtel Ph.D.

*Professor and Chief of Research for Reproductive Genetics
The University of Tennessee Memphis*

- 1984-1987 Head, Laboratory of Mammalian Immunogenetics,
Sloan-Kettering Institute
1987-1989 Senior Member, Department of Molecular Genetics, Showa
University Research Institute
1989-1992 Senior Member, Director, Laboratory of Mammalian
Immunogenetics, Tampa Bay Research Institute(Showa Institute
reorganization)

"His insight as a scientist was extraordinary and his ability to critically think thorough key experiments was remarkable. But, I truly valued him as a friend, as well as a colleague.....My feelings for Fung-Win Shen go beyond the loss of a valued colleague, but are for the loss of a deep and treasured friendship.

---by Professor Ellen Goldberg

*Associate Provost for Research and Dean of Graduate Studies
Department of Microbiology,
University of New Mexico*

Honors and Awards

- 1979-1983 Research Career Development Award,
National Institute of Health
- 1978 Award for a most-cited publication entitled
"Separation of helper T cells from suppressor T cells expressing
different Ly components. II. Activation by antigen: After
immunization, antigen-specific suppressor and helper activities are
mediated by distinct T cell subclasses."
J. Exp. Med. 143:1391-1401, 1976

*# This article is one of the hundred most-cited papers of the year
1978, according to the Science Citation index, which monitors
about 400,000 articles in 2,500 journals annually.*

Major Scientific Contributions

*Studies of Cell Surface Molecules of Lymphocytes

- Molecular cloning and gene characterization of Ly-5(CD45) in mouse
- Generation of monoclonal antibodies for cell surface molecules such as
CD5, CD8, CD45, CD72.....etc.
- Studies of CD72 molecule and its role in B cell activation
- Studies of CD5 molecule on T cell and its role in T cell development

*Immunogenetics

- Immunoregulation and genetics of Tla gene

*"Fung-Win's name and accomplishments are legendary.It is
difficult to imagine one person having such broad influence and
commanding so consistently high a degree of respect and admiration.*

---by Gary W. Litman, Ph. D.

Hines Professor, Department of Pediatrics

Professor, Department of Biochemistry and Molecular Biology

Head, Department of Molecular Genetics, All Children's Hospital

*"I will always remember his bright eyes and great scientific eagerness,
which led to his many achievements."*

---by Gideon Goldstein M.D. Ph.D.

Other Activities

- 1980 Workshop Chairman, Fourth International Congress of Immunology, Paris
- 1983 Workshop Chairman, Fifth International Congress of Immunology, Kyoto
- 1983 Member, Allergy and Immunology Ad Hoc Study Group
- 1990 Organizer, The International Symposium on "Immunogenetics, Immune Regulation and Bone Marrow Transplantation"
- 1994-1995 Secretary General of the Organizing Committee, the Second Asian Pacific Congress of Allergology and Clinical Immunology

"您已經為台大免疫所未來的發展奠下基礎，您已經做出了您的貢獻.....您的為人和做事的風範將永遠留在認識您的人們的心中!"

"You had helped to establish a solid foundation for the Graduate Institute of Immunology at the College of Medicine of the National Taiwan University and made tremendous contributions towards research in immunology in Taiwan....Your fine personality and sound professionalism will be imprinted in our hearts forever."

台大醫學院小兒科教授 謝貴雄

*---by Professor K. H. Hsieh, Department of Pediatrics,
National Taiwan University Hospital, College of Medicine,
National Taiwan University*

"I believe that his hard-working and generous life-style will be handed down to the next generation, and his unfulfilled dream will be realized some day."

*---by Professor Hidetaka Yakura
Tokyo Metropolitan Institute for Neuroscience*

"All we can do is to continue to be inspired by his selfless dedication to education and research in the way that he would have wished."

*---by Toshitada Takahashi
Vice-director, and Chief, Laboratory of Immunology,
Aichi Cancer Center Research Institute, Nagoya, Japan*

Organized by:

- *The Graduate Institute of Immunology, College of Medicine,
National Taiwan University
- *The local Organizing Committee, 2nd APCACI, Taipei
- *The Chinese Society of Immunology, R.O.C.

故 沈豐文教授事略

沈豐文教授，台南縣鹽水鎮人，生於民國三十五年，排行三子，上有兄二人，姐三人，其尊翁水德先生為南部地方碩彥，曾任台南縣議會議長，南榮工專董事長，台南區中小企業銀行董事常務監察人。母周太夫人，系出同鄉世族，相夫教子，鄰里稱賢。世居鹽水，為當地之望族。

民國五十九年在美國與郭秀齡女士完婚，與夫人相知相惜，夫妻二人鯁鯁情深。婚後育有三女，均尚在就學中。長女逸君就讀南加州大學（USC）法律學研究所，次女逸琳就讀達維斯加州大學（U.C.Davis），三女逸妮就讀聖瑪利諾高中一年級，家庭生活幸福美滿。

沈教授為鹽水國小畢業，在台南二中完成中學教育。民國五十八年自輔仁大學生物系畢業，服完兵役後即赴美深造，於民國六十二年取得美國新墨西哥大學博士學位。民國六十三年起，於紐約史隆—凱薩琳癌症研究中心（Sloan-Kettering Institute for Cancer Research）從事研究工作，由博士後研究而至該研究中心哺乳動物免疫遺傳研究所主任，兼任康乃爾大學醫學院研究所副教授。民國七十六年至八十一年任職於Tampa Bay Research Institute之資深研究員，並兼免疫遺傳研究所主任以及南佛羅里達大學醫學院教授。

沈教授為斐聲國際之免疫學者，在免疫學研究上有相當傑出的成果。其發現以及製造許多淋巴細胞表面抗原的單株抗體，例如認識CD5，CD8及CD45等蛋白分子之單株抗體。這些抗體被世界上許多學者廣泛應用在免疫學、細胞生物學等生命科學研究工作上，許多免疫學的研究也因而向前邁進了一大步。其中有一篇論文被列為全美被引用次數最多的文獻報告，沈教授也因此獲得榮譽獎章，這對從事科學研究者而言，是一項非常難得的成就及殊榮，也為學術界的全體華人爭光。除此之外，沈教授曾於1978--1983年獲得美國國家衛生研究院（NIH）的 Research Career Development Award，且為NIH study section之成員。也曾在第四屆（巴黎）和第五屆（京都）國際免疫學會議中擔任淋巴球細胞表面抗原研究講習會之主持人，有近百篇著作發表在相關的學術期刊上。在其眾多的研究與發現之中，已有多項成果具有生物試劑之發明專利權，不但可以提供作為基礎醫學研究的工具，對未來臨床醫學及治療上也將會有極大的貢獻。而其中最重要也最具突破性的研究成果為CD45基因之選殖。CD45表現在所有血液

細胞之表面，沈教授不但選殖出CD45的基因，並對該基因的表現方式有深入了解，因而使得CD45成為鑑定各類血液細胞的一個重要指標，更由於在細胞訊息傳遞的過程中扮演了極為重要的角色，於是沈教授之發現為免疫學的研究開創了另一個領域，也為免疫學之進展樹立了新的里程碑。

此時，沈教授不僅擁有豐厚的研究資源，更在國際上享有崇高的學術地位。但他卻為實現為自己國家貢獻所學的理想，在當時國科會生物處處長謝貴雄教授的力邀之下，回到台灣一展所長。

民國八十一年八月，沈教授回國擔任台大醫學院微生物學研究所客座教授，一方面重新建立自己的實驗室，繼續CD45之研究，另一方面進行成立免疫學研究所的籌備工作。民國八十二年九月，國內第一個免疫學研究所正式成立，並招收第一屆碩士班研究生。沈教授轉任免疫所專任教授，並懷著創業維艱，篳路藍縷的心情協助當時兼任免疫所所長之莊哲彥副院長，推動所務之運作。民國八十三年二月，沈教授接任所長，更積極向校方及院方爭取經費購置儀器以及使用空間和博士班之設立，為免疫所的發展宵旰勤勞，不遺餘力，而使免疫所能在成立短短二年之中，從無到有，而至今日的規模。同時，沈教授也積極推動了由國科會、中華民國免疫學會以及沈水德翁文教基金會合辦的免疫遺傳學、免疫反應調節、骨髓移植國際研討會（The International Symposium on Immunogenetics, Immune Regulation in Bone Marrow Transplantation），百忙之中還擔任國科會複審委員會委員，台大醫學院動物管理委員會主任委員，台大醫學院硬體規畫委員以及第二屆亞太地區過敏及臨床免疫學大會祕書長。

沈教授雖工作繁忙，但始終以認真與戒慎之態度處理每一件由其負責之事，對於研究與教學，更是熱心參與投入，在忙碌的工作之下，積勞而引起宿疾，於民國八十四年二月二十八日凌晨，因急性心肌梗塞住進台大醫院加護病房，因嚴重心臟衰竭而使用體外維生系統四天後，再做心臟移植手術，雖有全體醫療人員悉心照顧，並經傳真與國際心臟專家會診，卻仍因多種併發症而終至藥石罔效，與世長辭。

沈教授出身望族，終其一生，處事積極、待人誠懇、治學嚴謹，雖然個性木訥內向，但胸襟寬宏、謙沖自持，如光風霽月，相交可感其誠，受教如沐春風，尤值頌者，極具草根性，愛鄉土、愛親友、愛祖國之情懷與執著，甚於常人。惜天不假年，正值返鄉貢獻所學之際，英才遽逝，識與不識，聞之泣然。其為學與處世之道皆足堪後世之楷模。

丁茲長逝，治喪委員同仁等景仰 沈教授畢生奉獻，爰述數語，一以告慰在天之靈，一以垂範來茲。