

周延測較友的最近科研進展

各位母校師長、校友及同學們:

新年好!2009年七月七日拜訪母校會見許多師長、朋友及同學,感到非常高興。此行並給一個演講,這是我二年以來25個國際演講中的第21個演講(請參閱Appendix [演講目錄)。九月中旬高醫留美校友會年會,余幸司校長及首長訪紐約,彙報母校的後顧及前瞻,對母校的刻苦奮鬥及欣欣向榮的景象感到崇敬及幸慰。

弟旅美自1965年在耶魯大學以來,已四十多年 默默耕耘學術,處世淡泊,治學兢業。35年前首創 的理論,最近10年才開始起飛,被普遍應用。現在 已是古稀之年,不知來年尚有幾許,謹把握這次徵 稿機會向大家呈獻科研成果,以滋共勉。

一、 學術報告 (Articles)

- ●243篇論文已被國際文獻引用11,207次,平均 每篇引用46.07次。
- ●其中理論論文被引用約4,500次。
- ●僅一篇理論論文 (Chou T.C. & Talalay P., Adv. Enz. Regul. 22:27-25,1984)被引用 1,984次於433種不同學術期刊。其引用次數超出該雜誌Impact Factor一千多倍,其引用雜誌數目超過全世界生物醫藥雜誌總合之10%以上。

二、創新公式、術語及圖表

(New Terminologies, Equations and Plots)

- The Unified Theory of the Mass Action Law [普世質量作用定理] (The medianeffect equation, median-effect plot; The Chou Plot)
- ●The Combination-Index Theorem [藥物合併 指數定理] (The combination index-equation and plot; The Chou-Talalay Plot)
- The Dose-Reduction Index Equation [合併劑量減低公式] (The DRL Plot; The Chou-Martin Plot)
- The Normalized Isobologram [公約等效圖形] (The normalized isobol; The Chou-Chou Plot)
- The Polygonogram [多角藥物合併圖形] (The Chou-Chou Graphics for multiple drugs)

三、創造發明及新詞彙

(Innovation and New Phrases)

- ●25個美國專利共同發明人(Among the 99th percentile of inventors since 1976)
- 命名新詞: Floudelone, Iso- Floudelone, Dehydelone, Iso-oxazole Floudelone

● Equation of Log-Cell Kill ; Definition of Therapeutic Care.

四、計量哲學觀及古代哲學新釋

(Quantitative Philosophy and Interpretation of Ancient Chinese Philosophy)

- ●一元論; 劑效互換一體論 (The Unity Theory)
- ●質量作用中效定理 (Median-Effect Principle of the Mass-Action Law)
- ●動力學平衡的科學哲學觀 (Philosophy of Equilibrium Dynamic Theory)
- ●"中"的宇宙觀、科學觀 (Median as Universal Reference Point and Common Link)
- ●以"中"爲基準的計量哲學 (The Median-Based Quantitative Philosophy)
- ●數學演繹歸納法 (Mathematical Induction-Deduction for Systems Biology)
- ●儒家中庸之道 (Confucian Doctrine of the Mean),道家和諧 (Harmony),無極太極 (Wuji Er Taiji),五行 (The Five Elements), 伏義八卦 (Fu Si Ba Gua)之數理新釋。

(For more details, see http://precedings.nature.com/documents/2064/versi on/2 and the 16th International Conference of Chinese Philosophy, at Fu-Jen University, Taipei, sponsored by ISCP and CAP, 7/7-12/2009. Paper No. D-16, available in an electronic memory drive.)

五、參考資料 (References)

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- 14. Chou TC. Drug combination studies and their synergy quantification using the Chou-Talalay Method. Cancer Res. 70: (1/15/2010), in press (An Invited

Perspectives Article)

上面最後一個Reference是Invited Perspectives article. 預定 (1/15/2010) 在 Cancer Research刊出。Title 上掛作者的名字不是我的本意而是極稀有的榮譽。此文是用Free Style 撰寫,完全脫離了期刊的Format,還用第一人稱 "I"。此文主要是在著重討論Pitfalls, Common Errors 及Frequently Asked Questions. 文中28個References中21個是自己的論文,其中Reference 2(Ref.4)是最短的Full "完全reference"包括標點和空白只有47個character spaces。其文後之Disclosure 及Acknowledgments 亦具有非常奈人尋味的特色。預料將是一篇影響深遠的實用論文,歡迎參閱。(Online version to be published on 1/12/2010, and in the journal, 1/15/2010).

六、統計與評鑑

(Statistics and "What Have Been Said")

ResearcherID Report

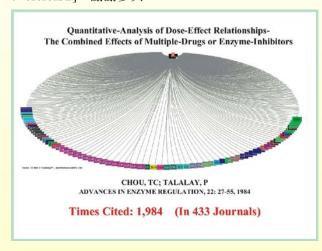


● Thompson-Reuter ISI Web of Science and Google Scholar Report

七、論壇(An Open Forum)

上述數理公式、定理及哲學,歡迎提供可以驗證的意見,以便正式的,有益的討論。正式的意見 請下載于Nature Precedings

[http://precedings.nature.com/documents/2064/version/2]。謝謝參與。



周廷潮謹啓 2010年1月7日于紐約市