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中央研究院週報

中研院總辦事處秘書組編印
79年 6月14日 第286期

學術討論會



●經濟研究所●

- 地點：本所討論室
- 一. 時間：6月15日(星期五)上午10:00
講員：蘇明俊先生(本所助理研究員)
講題：The Taiwanese Tariff:A Linear CGE Approach
- 二. 時間：6月15日(星期五)下午2:00
講員：譚令蒂女士(台大經研究所)
講題：匿名審稿的經濟效果
- 三. 時間：6月19日(星期二)下午2:30
講員：謝修博士
(U. of Pennsylvania 經濟學博士, U. of Iowa 助教授)
講題：Incentives for Cost-Reducing Investment in A Signalling Model of Product Quality

●物理研究所●

- .統計物理專題研討會
- 時間：1.6月18日(星期一)上午10:30
2.6月18日(星期一)下午 2:00
3.6月19日(星期二)上午10:30
- 地點：本所一樓演講廳
- 講員：司徒國業教授
(York Univ., Canada)
- 講題：1.Quasi-Crystals
2.Growth Algorithms & Binary Fractal
3.Hopping Frustration & High-Tc

●中山人文社會科學研究所●

- 地點：本所一樓會議室
- 一. 時間：6月20日(星期三)下午2:30
講員：蔡淑鈴女士(本所研究員)
講題：台灣教育階層化之變遷
- 二. 時間：6月21日(星期四)下午2:30
講員：梁其姿女士(本所研究員)
講題：十九世紀之保嬰制及其他兒童救濟機構

●分子生物研究所籌備處●

- 地點：本處演講廳
- 一. 時間：6月15日(星期五)中午12:00
講員：Prof. Elizabeth W. Jones
(Carnegie Mellon Univ.)
講題：Maturation Pathways of Hydrolase of Lysosome-Like Vacuole of Yeast
- 二. 時間：6月19日(星期二)中午12:00
講員：歐競雄教授(Univ. of Southern California)
講題：Subcellular Transport of Hepatitis B Virus Precore and Core Proteins

●台灣史田野研究室●

- 時間：6月19日(星期二)下午3:00
- 地點：史語所二樓簡報室
- 講員：顏娟英小姐(史語所副研究員)
講題：台灣現代美術之萌芽

●生物化學研究所●

- 時間：6月21日(星期四)上午10:10
- 地點：台大校總區生化館二樓教室
- 講員：王孟亮博士
(Mount sinai School of Medicine)
- 講題：Role of Higher Order Structure of Linear Adenovirus Genome in Viral Gene Expression: Involvement of Topoisomerase in the Life Cycle of Adenovirus.

●數學研究所●

- 一. 多複變討論會(62)
- 時間：6月15日(星期五)1. 上午10:00
2. 下午 1:45
- 地點：本所一樓會議室
- 講員：鄭藹農先生(台灣大學)
講題：1.Twistors ; 2.Discussion
- 二. 孤立子方程理論研討會(22)
- 時間：6月18日(星期一)1. 上午10:00
2. 下午 2:00
- 地點：本所一樓110研討室
- 講員：1.林昭廷先生(台大數學系學生)
2.張建鴻先生(台大數學所學生)

國際抗病毒研討會

生物醫學科學研究所籌備處訂於六月十八日至二十日，邀集國內外學者專家二百五十人，假該所地下室演講廳舉辦「國際抗病毒研討會」，其議程如下：

6月18日(星期一)

Drug Design-I(Chairpersons:W. Prusoff and J. Drach)

- 8:55 A. Holy:General Access to Modified Acyclic Nucleotide Analogues.
- 9:20 C.-K. Chu:Drug Design, Synthesis and Anti-HIV Activities of Nucleosides.
- 9:45 R. K. Robins:In Vivo Antiviral Activity of New Immunomodulatory Guanosine Analogs.

Drug Design-II(Chairpersons:S. Shigeta and J. Oxford)

- 10:30 Y. Becker:Molecular Design of Synthetic Peptides Capable of Interfering with Virus-Receptor Interactions as Potential Antivirals in the Chemotherapy of Virus Infections and AIDS.
- 10:55 K.M. Hwang:Synthetic CD4 Peptides as Potential Anti-HIV Agents.
- 11:20 J.K.-K. Li:Immunological Mapping of Antigenic Epitopes of the Bluetongue Virus Major Inner Capsid Protein with Polyclonal, Monoclonal and Oligoclonal Antibodies.
- 11:25 G.D. Diana:The Design of Antirhinovirus Agents Based on X-ray Chrystallography Studies.

Drug Design-III(Chairpersons:Y. Becker and A. Holy)

- 13:30 P. Ts'o:An Approach to Chemotherapy Based on Sequence Information and Nucleic Acid Chemistry-Matagen.
- 13:55 J.J. McGowan:Potential of Ribozymes in the Treatment of Infectious Diseases.
- 14:20 Y.C. Cheng:Phosphorothioate Oligodeoxynucleotide as a Potent Inhibitor of HSV-2 Replication.

Antiviral Testing Systems(Chairpersons:R. Schinazi and J. Pagano)

- 15:05 G.D. Hsiung:Host-Controlled Variations in the Evaluation of Antiviral Agents.
- 15:30 E.R. Kern:Preclinical Evaluation of New Antiviral Agents for Treatment of Cytomegalovirus Infections.
- 15:55 H. Nakashima:Tetrazolium-based Plaque Assay for Evaluation of Activity of Antiviral Compounds Against HIV-1 and HIV-2.
- 16:00 S. Shigeta:Anti-RSV Activity of Pyridoazole Derivatives.
- 16:25 T. Ebina:Search for Antirotavirus Agents Using Experimental Mouse Model.
- 16:50 S. Yamazaki:Antienterovirus Activity of a New Flavone Derivative and Its Action Mechanism.

6月19日(星期二)

Human Immunodeficiency Virus-I(Chairpersons:J. McGowan and S. Yamazaki)

- 8:30 W. H. Prusoff:Cellular Pharmacology of Some Novel Antiviral Compounds Effective Against HIV-1.
- 8:55 R.F. Schinazi:3'-Azido-2',3'-Dideoxyuridine:A Promising New Antiviral Drug.
- 9:20 P. La Colla:1-(2',3'-Dideoxy- β -D-Glycero-Pent-2-Enofuranosyl)3-Deazaadenine and 2',3'-Dideoxy-3-Deazaadenosine as Potential Inhibitors of HIV
- 9:45 M. Ito:Tumor Necrosis Factor Antagonizes Inhibitory Effect of Azidothymidine on Human Immunodeficiency Virus(HIV)Replication In Virto.
- 9:50 K. Ono:Digallic Acid Inhibits HIV-Reverse Transcriptase. Human Immunodeficiency Virus-II(Chairpersons:E.-S. Huang and M. Kaji)
- 10:15 J.-P. Sommadossi:3'-Azido-3'-Deoxythymidine(AZT)Selectively Inhibits Globin Gene Transcription in Human K-562 Leukemia Cells.
- 10:40 C.-H. Chen:Mitochondrial Effects of Anti-HIV Compounds.
- 11:05 Y.-S. Cheng:An Engineered Tethered Dimer of HIV-1 Protease is More Active Than the Natural Dimeric Enzyme.
- 11:10 J. Oxford:The Expression of HIV Integrase as a Fusion Protein in E. Coli.
- 11:40 W.-J. Syu:The N-Terminal Region of HIV GPI20 Contains Potential CD4-Receptor Binding Sites.

- 11:45 Y. C. Chao:Investigate the nature of HZ-1 Baculovirus Persistently Infected Cell Lines.
- Hepatitis Virus-I(Chairpersons:J.-L. Sung and P. La Colla)*
- 13:30 C.-M. Chang:Structural and Packaging of Hepatitis B Virus Core Particles.
- 13:55 Y.-F. Liaw:Natural History and Treatment of Chronic Hepatitis B Virus Infection.
- 14:20 S. Kashiwagi:Glycyrrhizin Withdrawal Followed by Human Lymphoblastoid Interferon for Chronic Hepatitis B.
- 14:45 C.-K. Chou:Insulin Suppresses Human Hepatitis B ViralReplication In Vitro.

Hepatitis Virus-II(Chairpersons:J.-Y. Chen and Y.-C. Chan)

- 15:30 J.J. Fox:Antiviral Activities of 2'-Fluoro-5-Substituted-Arabinosyl Pyrimidine Nucleosides.
- 15:55 T. Yokata:Inhibitory Effects of Selected Antiviral Compounds on Human Hepatitis B Virus DNA Synthesis.
- 16:00 H.-S. Chen:Antiviral and Immunomodulating Activities of Chinese Medicine GKK In Vitro and In Vivo.
- 16:25 P.P. Hung:Live, Oral Adenoviruses as the Carriers for Human Immunodeficiency Virus or Hepatitis B Virus Surface Antigen Gene.

6月20日(星期三)

- Cytomegalovirus and Herpes Simplex Virus-I(Chairpersons:J. Fox and K. Ono)*
- 9:00 L.B. Townsend:The Synthesis of 5-Bromotubercidin Analogs as Potential Agents for Human Cytomegalovirus Infections.
- 9:25 J.C. Drach:Activity Against Herpesviruses of a Series of Bromotubercidin Analogs.
- 9:50 K. Kumura:Unique Mechanism of Antiviral Activity of Aciclovir Against Murine Cytomegalovirus.
- 9:55 J. Y. Crouch:The Use of Dose-Effect Analysis for Combined Antiviral Effects of Paired Nucleosides Against Cytomegalovirus Replication in the Guinea Pig Model.
- 10:00 E.-S. Huang:Irreversible Inhibition of Human Cytomegalovirus DNA Replication by Topoisomerase II Inhibitors, m-AMSA, VP-16 and VM-26.

Cytomegalovirus and Herpes Simplex Virus-II(Chairpersons:G.D. Hsiung and R. Robins)

- 10:45 K. Konno:Inhibitory Effects of Selected Antiviral Compounds on Clinical CMV Isolates.
- 11:10 Y. Minamishima:Host-Mediated Antiviral Effect of Biological Response modifiers.
- 11:35 V.S. Gupta:Mechanism of Selective Inhibition of Herpes Simplex Virus Replication by Deoxycytidine Analogs:Interaction of 5-Methoxymethyl -2'-Deoxycytidine-5'-Triphosphate with DNA Polymerases.

Clinical Treatment(Chairpersons:A. Nakajima and R. Capizzi)

- 13:30 H.E. Kaufman:Treatment of Ocular Herpes.
- 13:55 T. Kiumra:Topical and Systemic Ciclosporin(CYA)for Herpes Simplex Keratitis
- 14:20 H. shiota:Treatment of Herpetic Keratitis and Its Related Diseases.
- 14:45 R.J. Whitley:Treatment of Disseminated Varicella Zoster Virus Infection in the Immunocompromised Host.

Virus and Cancer(Chairpersons:P. Ts'o and C.-s. Yang)

- 15:30 J.S. Pagano:Molecular and Pathobiologic Issues in the Treatment of EBV-Associated Diseases.
- 15:55 D.-S. Chen:Viral Etiology of Chronic Liver Disease and Hepatocellular Carcinoma and the Prevention in Taiwan.
- 16:20 M.-M. Hsu:Reevaluation of Anti-EBV Titers in Nasopharyngeal Carcinoma.
- 16:45 W.C.Y. Yu:Epidermal Growth Factor and HPV-16 Gene Expression in Cervical Carcinoma Cells.

一九九〇混沌與臨界現象研討會

物理研究所訂於六月二十日至二十三日，邀集國內外學者專家五十餘人，假該所一樓演講廳舉辦「一九九〇混沌與臨界現象研討會」，其議程如下：

6月20日(星期三)

- 9:30 F.Y. Wu(Northeastern Univ.) : Introduction to Critical Phenomena
- 11:00 Bambi Hu(Houston Univ.) : Introduction to Chaos
- 13:30 C. S. Liu(Univ. of Maryland) : Chaos in Raman Backscattering Instability in Laser-Plasma Interactions
- 14:15 S. Kim(Pohang Institute of Science and Tech.) : Quasiperiodicity, Mode-Locking, and Chaos in Coupled Oscillators(I)、(II)
- 16:15 J. V. Jose(Northeastern Univ.) : Metastable Magnetic Properties of a Superconducting Glass Model

6月21日(星期四)

- 9:30 F. Y. Wu : New Results on Lattice Models and the O(2) Gauge Invariance
- 11:00 Bambi Hu : Order and Chaos in Hamiltonian Systems(I)
- 13:30 C.S. Liu : Solitons and Chaos in Phonon-Plasmon Interactions
- 14:15 J.V. Jose : Quantum Manifestations of Classical Chaos in Time-Dependent Periodic Hamiltonians(I)、(II)
- 16:15 K. Kaneko(Univ of Tokyo) : Simulating Physics with Coupled Map Lattices

6月22日(星期五)

- 9:30 K. Kaneko : Network of Chaotic Elements
- 11:00 Bambi Hu : Order and Chaos in Hamiltonian Systems(II)
- 13:30 F. Y. Wu : Exact Results on the O(n) Model in Two Dimensions
- 14:15 C. -K. Hu(Academia Sinica) : Percolation and Critical Phenomena in Lattice Systems
- 15:30 C. -K. Chan(Academia Sinica) : Multifractals and Turbulent Flows
- 16:15 M. H. Jensen(Nordita, Copenhagen) : Multifractals—Theory and Experiments

6月23日(星期六)

- 9:30 M. H. Jensen(Nordita, Copenhagen) : Phase Transitions and Strange Attractors and Fractal Aggregates
- 11:00 M. H. Jensen(Nordita, Copenhagen) : Scaling in Models for Turbulent Behavior
- 13:30 L. I.(Central Univ) : Multiple Bifurcations in Weakly Ionized Magneto-Plasmas
- 14:15 C. S. Wang(Chiao-Tung Univ.) : Influence of Potential on Bifurcations in Periodic External Driven Nonlinear Oscillator
- 15:30 S. C. Lin(Academia Sinica) : Dynamical Study of the 2-d Ising Model

出席國際學術會議



□ 數學研究所研究員劉世超先生應邀出席於六月六日至十五日在保加利亞舉行之

「第三屆邏輯雙年會」，會中宣讀論文。

□ 數學研究所研究員于靖先生應邀出席於六月十八日至二十二日在法國馬賽舉行之「1990戴奧芳定近以與超越數會議」，會中發表論文。