

## SEMINARS

Dr. Yuri Konstantinovich Batygin  
Moscow Engineering Physics Institute, Russia  
"Nonlinear Beam Dynamics Effects in High Current Particle Accelerator"  
Friday 27 January 1995

Professor and Director Joachim Messing  
The Waksman Institute, Rutgers University,  
Piscataway, New Jersey, U.S.A.  
"Regulation of Gene Silencing during Reproduction and Development"  
Monday 30 January 1995

Professor Yoshishige Yamazaki  
National Laboratory for High Energy Physics, KEK  
"Present Status of the Accelerator Developments for Japanese Hadron Project"  
Tuesday 7 February 1995

Professor Kouji Hirata  
National Laboratory for High Energy Physics, KEK  
"Local and Global Approaches to the Equilibrium Envelope Calculation"  
Wednesday 15 February 1995

Prof. Chi-Huey Wong  
Scripps Research Institute, U.S.A.  
"Inhibition of Carbohydrate-Mediated Cell Adhesions"  
Friday 17 February 1995.

Professor Robert West  
Department of Chemistry, University of Wisconsin,  
Madison, USA  
"Stable Disilenes and Silylenes"  
Tuesday 21 February 1995

Associate Professor En-Tang Kang  
Department of Chemical Engineering, National University of Singapore  
"Surface Modification and Functionalization of Electroactive Polymers"  
Wednesday 8 March 1995

Associate Professor Peter Brick  
Imperial College University of London, UK  
"The structure of Lysyl t-RNA Synthetase"  
Monday 13 March 1995

Professor Tadashi Sugawara  
College of Arts and Sciences, University of Tokyo, Japan  
"Self-Assembly with Higher Functions of Organic Molecules"  
Wednesday 15 March 1995

Professor Toshiyuki Hattori  
Tokyo Institute of Technology, Japan  
"Study of IH-type Linear Accelerators for Application"  
Wednesday 22 March 1995

Dr. Alexander Bürkle  
Deutsches Krebsforschungszentrum, Heidelberg, Germany  
"Expression of Truncated and Full-Length Versions of Poly(ADP-ribose) Polymerase in Stably Transfected Cells; Biochemical and Biological Consequences"  
Thursday 6 April 1995

Prof. Upendra. K. Pandit  
University of Amsterdam, Neterland  
"Antitumor Alkaloids of Plant and Marine Origin. Synthetic Studies"  
Thursday 13 April 1995.

Prof. Yves Langlois  
Université de Paris-Sud, France  
"Progress in Alkaloids and Antibiotics Synthesis"  
Monday 17 April 1995.

Professor Dieter Vollhardt  
Max-Planck Institut für Kolloid- und Grenzflächenforschung, Berlin, Germany  
"Higher-Order Structures of Insoluble Monolayers at the Water Surface Studied by Brewster Angle Microscopy"  
Monday 24 April 1995

Dr. Yoshiaki Sohrin  
Institute for Chemical Research, Kyoto University  
"Polypyrazolyl: Analytical Chemistry by New Chelating Agents"  
Saturday 6 May 1995.

Professor K. Peter. C. Vollhardt  
Department of Chemistry, University of California, Berkeley, USA  
"Total Synthesis of Rather Unnatural Molecules: the Phenylenes"  
Monday 5 June 1995

Dr. M Engel  
Optical Information Materials Section, Hitachi Research Laboratory, Japan  
"Polymorphism in Phthalocyanines"  
Thuesday 6 June 1995

Professor Nitash Balsara  
Polytechnic University, New York, USA  
"Imperfections in Block Copolymer Structures"  
Friday 9 June 1995

Professor Yoshio Kitaoka  
Faculty of Engineering Science, Osaka University, Osaka, Japan  
"Progress in theoretical and experimental study of strongly correlated electron system I: NMR"  
Friday 16 June 1995

Professor Naoto Nagaosa  
Faculty of Engineering, University of Tokyo, Tokyo Japan  
"Progress in theoretical and experimental study of strongly correlated electron system II: Theory"  
Friday 16 June 1995

Professor Kazuyoshi Yamada  
Faculty of Science, Tohoku University, Sendai, Japan

"Progress in theoretical and experimental study of strongly correlated electron system III: Neutron Scattering"  
Friday 16 June 1995

Professor Michio Yamada  
Department of Mathematical Science, Graduate School of Science, University of Tokyo  
"Data Analysis by Wavelet"  
Friday 16 June 1995

Professor Reginald H. Mitchell  
Department of Chemistry, University of Victoria, Victoria, Canada  
"Synthetic Strategies for Making Unusual  $\pi$ -Systems"  
Monday 19 June 1995

Professor Takeshi Katayama  
Institute for Nuclear Study, University of Tokyo  
"Collider Ring Project for RI Beam Factory at RIKEN"  
Thursday 22 June 1995

Professor Takeshi Endo  
Research Laboratory of Resources Utilization, Tokyo Institute of Technology  
"Molecular Design of Functional Polymers on the basis of Organic Synthesis"  
Monday 8 July 1995

Professor Joanna Strosznajder  
Medical Research Laboratory, Polish Academy of Sciences, Warsaw, Poland  
"Molecular Mechanism of NO Action and Its Role in Brain Ischemia"  
Monday 10 July 1995

Professor J. J. Freire  
University of Complutense, Madrid, Spain  
"Monte Carlo Simulation of Hydrodynamic Interactions of Linear and Star Chains in Different Solvent Conditions"  
Thursday 13 July 1995

Professor Kobashi Kyoichi  
Toyama Medical and Pharmaceutical University, Faculty of Pharmaceutical Science, Japan  
"Usefulness and toxicity of urease : from sword bean to pyroli"  
Wednesday 20 July 1995

Prof. Nobuyuki Harada  
Institute of Chemical Reaction Sciences, Tohoku University  
"Recent Advances in CD Spectroscopy: Determination of Absolute Configuration by the Calculation of CD Spectra"  
Friday 28 July 1995.

Professor Hironari Yamada  
Faculty of Science and Engineering, Ritsumeikan University "Free Electron Laser with use of an Electron Storage Ring of Perfect Circular Shape"  
Friday 4 August 1995

Professor Theodore Friedmann  
Department of Pediatrics, University of California, San Diego, USA  
"Challenges and Opportunities in Human Gene Therapy"  
Monday 14 August 1995

Professor Zvi Rappoport  
Department of Organic Chemistry, Hebrew University of Jerusalem, Jerusalem, Israel  
"Stable Simple Enols"  
Tuesday 5 September 1995

Dr. D. D. Sarma  
Indian Institute of Science, Bangalore, India  
"Photoemission Study of Transition Metal Oxides"  
Friday 8 September 1995

Prof. Sun Handong  
Kunming Institute of Botany, China  
"Natural Product Chemistry of Plants in Yunnan"  
Monday 11 September 1995.

Professor Hideo Kitamura  
National Laboratory for High Energy Physics, KEK/The Institute of Physical and Chemical Research, RIKEN)  
"Highly Brilliant Synchrotron Light Source"  
Tuesday and Wednesday 19 and 20 September 1995

Dr. Ludek Karasek  
Institute for Chemical Technology, Prague, Czech Republic  
"Polymer-Filler Interactions and Filler Distribution in Rubber-Carbon Black Systems"  
Wednesday 20 September 1995

Professor Xiuzhong Zhou  
Nankai University, P. R. China  
"Synthesis of  $(\text{Me}_2\text{M-MMe}_2)[\eta^5\text{-(C}_5\text{H}_3\text{R)Fe(CO)}]_2(\mu\text{-CO})_2$  and A Novel Reaction Between Their M-M and Fe-Fe Bonds (M = Si, Ge)"  
Friday 22 September 1995

Professor Klaus Hafner  
Institut für Organische Chemie, Technische Hochschule Darmstadt, Darmstadt, Germany  
"Recent Advances in the Chemistry of Carbocyclic  $\pi$ -Electron Systems; Their Transition Metal Complexes and Phanes"  
Monday 25 September 1995

Prof. Lewis N. Mander  
The Australian National University, Australia  
"Structural and Synthetic Studies on Novel Gibberellins from Fern Gametophytes and Apple Seeds"  
Tuesday 3 October 1995.

Dr. Bernard Badet and Marie - Ange Badet - Denisot  
Institut de Chimie des Substances Naturelles Centre National de la Recherche Scientifique Gif-sur-Yvette, France  
"The double life of glucosamine-6-phosphate synthase: mechanistic investigations of a peculiar glutamine-dependent amidotransferase"  
Monday 9 October 1995

Professor Klaus Baberschke  
Institut für Experimentalphysik, Freie Universität Berlin, Germany  
"The Magnetism of Nickel Monolayers"  
Thursday 10 October 1995

Professor David Rice and Dr. Patrick Baker  
Department of Molecular Biology and Biotechnology  
The University of Sheffield, UK

"Insights into the Catalysis, Specificity and Stability of the Amino Acid Dehydrogenase Superfamily"  
Friday 13 October 1995

Professor Takashi Yamauchi  
Department of Biochemistry, Faculty of  
Pharmacological Sciences, Tokushima University,  
Tokushima, Japan  
"Structure and Function of Ca<sup>2+</sup>/Calmodulin-  
Dependent Protein Kinase II"  
Monday 16 October 1995

Professor Tadashi Asanuma  
Institute for Chemical Research, Kyoto University  
"Polymerization of  $\alpha$ -Olefins by means of Metallocene  
Catalysts"  
Thursday 19 October 1995

Dr. Monica Palcic  
Department of Chemistry Faculty of Science  
University of Alberta, Canada  
"Isotopic Probes of Amine Oxidase Reactions"  
Monday 23 October 1995

Dr. Alan R. Rein  
National Cancer Institute-Frederick Cancer Research  
and Development Center, Frederick, Maryland, USA  
"The Functions of Nucleocapsid Protein in Retrovirus  
Replication"  
Friday 27 October 1995

Professor J. M. Vergnaud  
Faculte de Science et Technique, Universite Saint-  
Etienne, France  
"Matter Transfers in Polymers: Theory and  
Applications"  
Monday 30 October 1995

Professor M. Yoon  
Department of Textile Engineering, Kon-kuk  
University, Seoul, Korea  
"Outline of Textile Industry and Textile Engineering  
Education in Korea"  
Wednesday 1 November 1995

Professor Maria Tomasz  
Department of Chemistry, The City University of New  
York, New York, U.S.A.  
"The Mitomycin Antitumor Antibiotics: Multiple Mode  
of Structural and Functional Modification of DNA"  
Monday 13 November 1995

Professor. Carl B. Collins  
University of Texas, U.S.A.  
"Gamma Ray Laser with Induced Gamma Radiation"  
Wednesday 15 November 1995

Professor Marek Janusz Wojcik  
Faculty of Chemistry, Jagiellonian University,  
Krakow, Poland  
"Dynamic Interaction in Hydrogen-Bonded Systems"  
Wednesday 15 November 1995

Prof. Ari. Mauri. P. Koskinen  
University of Oulu, Finland  
"Asymmetry -To Make a Distinction. Recent Studies  
in the Asymmetric Synthesis of Natural Products"  
Tuesday 21 November 1995.

Professor Jean-Francois Biellmann

University of Stasbourg, France  
"From Affinity Label to a Thiol Group Reagent"  
Wednesday 22 November 1995

Dr. Eberhard Keil  
SL Division, CERN, Switzerland  
"LEP Operation with Bunch Trains"  
Tuesday 28 November 1995

Professor Dr. Yasukiyo Ueda  
Faculty of Engineering, Kobe University, Japan  
"Functions and Structures of Organic Thin Films"  
Wednesday 29 November 1995

Dr. Ilme Schlichting  
Max Plank Institute for Molecular Physiology,  
Dortmund, Germany  
"Watching a Protein at Work: Kinetic X-Ray  
Crystallography on Myoglobin-CO"  
Wednesday 29 November 1995

Professor Peter M. Levy  
Department of Physics, New York University, New  
York, USA  
"Giant Magnetoresistance in Metallic Multilayers"  
Thursday 30 November 1995

Professor Manron B. Salamon  
Department of Physics, Illinois University, Urbana,  
IL, USA  
"Thermopower and Thermal Conductivity in GMR  
Materials"  
Monday 4 December 1995

Professor Moshe Gottlieb  
Ben Gurion University, Beer Sheva, Israel  
"Rheological Studies on Red Microalgae  
Polysaccharide"  
Monday 4 December 1995

Professor Elizabeth C. Theil  
Department of Biochemistry & Physics, North  
Carolina State University, Raleigh, U.S.A.  
"Transition Metal Complexes and NMR Spectroscopy  
as Probes of the IRE (Iron Regulatory Element)  
Structure in Ferritin mRNA"  
Thursday 7 December 1995

Assistant Professor Detlef Weigel  
Plant Biology Laboratory, The Salk Institute for  
Biological Studies, La Jolla, California, U.S.A.  
"Initiation and Patterning of Flowers in *Arabidopsis*"  
Monday 11 December 1995

Associate Professor June Medford  
Department of Biology and Biotechnology Institute,  
The Pennsylvania State University, Philadelphia,  
Pennsylvania, U.S.A.  
"Positional Controls of Pattern Formation in  
*Arabidopsis*"  
Monday 11 December 1995

Professor Timothy P. Lodge  
University of Minnesota, Minneapolis, USA  
"Recent Results on the Structure and Phase Behavior  
of Block Copolymer Liquids"  
Tuesday 12 December 1995

Professor Matthew Tirrell  
University of Minnesota, Minneapolis, USA

“Shear Effects on Block Copolymers near the Order - Disorder Transition”  
Tuesday 12 December 1995

Professor Ihn Kyo Jin  
Kangwon National University, Korea  
“Crystallization Behavior of Poly(3-alkylthiophene) Molecules on Polyethylene Crystals”  
Friday 15 December 1995

Professor Narayan Bhattacharya  
National Laboratory for High Energy Physics (Visiting

Prof.) and  
Variable Energy Cyclotron Center,  
Department Atomic Energy, Calcutta, India  
“The Superconducting Cyclotron Project at Calcutta”  
Monday 18 December 1995

Prof. Shiro Ikegami  
Faculty of Pharmaceutical Sciences, Teikyo University  
“New Synthetic Reactions Utilizing Organolead Reagents”  
Thursday 21 December 1995.