Welcome (6:30 pm - 7:30 pm)
Keynote Address (8:00 pm - 9:00 pm)
Orientation (7:30 pm - 8:00 pm)

Sunday, January 10
Breakfast (7:00 am - 8:00 am)

NEW STRUCTURE DETERMINATION METHODS I (8:00 AM - 11:00 AM)
* Peter E. Wright, Scripps Research Institute
  Ad Sax, National Institutes of Health
  NMR of Weakly Aligned Macromolecules
  James H. Prestegard, University of Georgia
  Dipolar Couplings for Domain and Ligand Orientations in Macromolecules
  Christian Grisengger, University of Frankfurt
  New NMR Experiments for the Elucidation of Structure and Dynamics of Biomolecules
  Lewis E. Kay, University of Toronto
  Sensitivity Enhancement in NMR Spectroscopy
Poster Setup (11:00 am - 1:00 pm)
POSTER SESSION 1: New Structure Determination Methods I/Protein-Nucleic Acid Complexes (4:00 pm - 6:00 pm)
Social Hour (5:00 pm - 6:00 pm)

PROTEIN-NUCLEIC ACID COMPLEXES (8:00 PM - 10:00 PM)
* Jull Feigon, University of California-Los Angeles
  Robert Kaptelin, University of Utrecht
  Photolabile Yellow Protein and its Photocycle: An NMR Study
  Gerhard Wagner, Harvard University
  NMR Studies of Proteins Involved in Eukaryotic Translation Initiation
  Angela M. Gronenborn, National Institutes of Health
  NMR Studies of Protein/DNA Complexes

Monday, January 11
Breakfast (7:00 am - 8:00 am)
MEMBRANE PROTEINS (8:00 AM - 11:00 AM)
* James H. Prestegard, University of Georgia
  Stanley J. Opella, University of Pennsylvania
  Membrane Protein Structure Determination by NMR Spectroscopy
  Timothy Cross, Florida State University
  Channel Structure in Lamellar Phase Lipids: Peptides to Proteins
  Brian D. Sykes, University of Alberta
  NMR Studies of Amphipathic Exchangeable Apo/lopolipoproteins
  Reglitz R. Vold, University of California-San Diego
  Are Phospholipid Bilayers the Ideal Model Membrane?
Poster Setup (11:00 am - 1:00 pm)
POSTER SESSION 2: Membrane Proteins/Very Large Proteins (Divide or Conquer?) (3:00 pm - 5:00 pm)

WORKSHOP I: ISOTOPES. SPONSORED IN PART BY CAMBRIDGE ISOTOPE LABORATORIES, INC. (4:00 PM - 6:00 PM)
* John L. Markley, University of Wisconsin
Social Hour (5:00 pm - 6:00 pm)

Very LARGE PROTEINS (DIVIDE OR CONQUER?) (8:00 PM - 10:00 PM)
* Robert G. Griffin, Massachusetts Institute of Technology
  Jacob Schaefer, Washington University
  REDOR of Large Protein Complexes
  Yoji Arata, Water Research Institute
  IgG: To Divide-and-Conquer or not. That is the Question.
  Iain D. Campbell, University of Oxford
  Structure, Function and Assembly of Modular Protein

Tuesday, January 12
Breakfast (7:00 am - 8:00 am)
DRUG DEVELOPMENT USING NMR SPECTROSCOPY (8:00 AM - 11:00 AM)
* Timothy Cross, Florida State University
  Stephen W. Fesik, Abbott Laboratories
  Strengths and Limitations of NMR as a Drug Discovery Tool
  Gaetano Barbasuto, Istituto di Ricerche di Biologia Moleolare
  The Solution Structure of the N-Terminal Protease Domain of the Hepatitis C Virus (HCV) NS3 Protein
  Provides New Insights into Its Activation and Catalytic Mechanism.
  Sharon L. Campbell, University of North Carolina
  Ras-Mediated Activation of Raf-1: An NMR Investigation
  Michael F. Summers, University of Maryland
  NMR Studies of Retroviral Genome Recognition
Poster Setup (11:00 am - 1:00 pm)
POSTER SESSION 3: Drug Development Using NMR Spectroscopy/New Structure Determination Methods II (4:00 pm - 6:00 pm)
Social Hour (5:00 pm - 6:00 pm)

NEW STRUCTURE DETERMINATION METHODS II (8:00 PM - 10:00 PM)
* Jacob Schaefer, Washington University
  Robert Tycko, National Institutes of Health
  Peptide Conformations in Peptide/Protein Complexes: Solid State NMR Methods and Applications
  Beat H. Meier, ETH Zentrum
  Solid-State NMR Experiments for Peptide Structure Determination
  Mel Hong, University of Massachusetts
  Secondary Structure Determination and Resonance Assignment of Highly Labeled Solid Proteins by 2D and 3D Solid-State NMR

Wednesday, January 13
Breakfast (7:00 am - 8:00 am)
NUCLEIC ACIDS (8:00 AM - 11:00 AM)
* Robert Kaptelin, University of Utrecht
  Jiul Feigon, University of California-Los Angeles
  Cation Binding and Folding in DNA and RNA
  Gabriele L. Varani, Medical Research Council
  RNA-Dependent Protein-Protein Interactions During Regulation of Eukaryotic Gene Expression

Runs date: 8/25/98, 2:28:07 PM
* Chair † invited, not yet responded

Wednesday, January 13
James R. Williamson, Scripps Research Institute
RNA-Protein Recognition
Robert T. Claub, University of California-Los Angeles
NMR Structure and Mutagenesis Studies of the Trivial integral-DNA Complex: Major Groove Recognition by a Three-Stranded beta-Sheet
Poster Setup (11:00 am - 1:00 pm)
POSTER SESSION 4: Nucleic Acids/Interesting Protein Structures/Late Breaking Developments/Structures of Beta Amyloid, Prions, and Related Peptides (3:00 pm - 5:00 pm)

WORKSHOP II: COMPUTERS AND NMR (4:00 PM - 6:00 PM)
* Frank Delaglio, National Institutes of Health
Social Hour (5:00 pm - 6:00 pm)

LATE BREAKING DEVELOPMENTS: SPEAKERS SELECTED FROM SUBMITTED ABSTRACTS (8:00 AM - 11:00 AM)
* Gerhard Wagner, Harvard University
  David Cowburn, Rockefeller University
  Two New Methods Related to Assignment and Dynamics of Larger Proteins
  Anne-Frances Miller, Johns Hopkins University
  Direct Observation of Determinants of Superoxide Dismutase Redox Activity by NMR
  Jens J. Led, University of Copenhagen
  Information on Structure and Function of Plectocyanin from Anaibaena Variabilis Using Paramagnetic Relaxation
  Lutz Schmitt, Stanford University
  Short Talk: Structural and Kinetic Isomers of a Class II MHC-Peptide Complex
  Guy M. Lippens, Institut Pasteur de Lille
  Short Talk: HR-MAS Studies of Resin-Bound Peptides
  Michael G. Zagorski, Case Western Reserve University
  Short Talk: Amyloid A beta(1-40) and A beta(1-42) Adopt Remarkably Stable, Monomeric, and Extended Structures In Water Solution at Neutral pH

STRUCTURES OF BETAamyloid, Prions, and Related Peptides (2:00 PM - 5:00 PM)
* Angela M. Gronenborn, National Institutes of Health
  David E. Wemmer, University of California-Berkeley
  NMR Structural Studies of Protein Aggregation

NEW STRUCTURES OF PROTEINS (4:00 PM - 6:00 PM)
* Michael G. Zagorski, Case Western Reserve University
  John L. Markley, University of Wisconsin
  NMR Analysis of Important Hydrogen Bonds in Peptides

Thursday, January 14
Breakfast (7:00 am - 8:00 am)
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Thursday, January 14

Thomas L. James, University of California-San Francisco
Structural Characteristics of a Prion Protein Syrian Hamster: Implications for Prion Disease

Peter E. Wright, Scripps Research Institute
New insights into Polypeptide Structure and Folding

Kurt Wüthrich, Swiss Federal Institute of Technology
Polypeptide Amyloids - A Challenge for TROSY

Social Hour (7:00 pm - 8:00 pm)
Banquet (8:00 pm - 10:00 pm)
Entertainment (9:00 pm - 12:00 am)

Friday, January 15

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