

PROGRAM FOR THE NINTH WINTER
CONFERENCE ON NEUROBIOLOGY OF
LEARNING AND MEMORY
JANUARY 12, 13, 14, 15, 1985

PROSPECTOR SQUARE
PARK CITY, UTAH

TUESDAY, JANUARY 15 - CONTINUED

8:00 - 11:00 pm - Formal Dinner
Grub Steak Restaurant
Participation by Ticket Only

CONFERENCE PARTICIPANTS

Carol Barnes, Psychology,
University of Colorado, Boulder, CO

Bob Berman, Psychology,
Wayne State University, Detroit, MI

Phillip Best, Psychology
University of Virginia, Charlottesville, VA

Ed Berger, Psychobiology,
University of California, Irvine CA
PITTSBURGH

Stephen Berry, Psychology
Miami University, Oxford, OH.

Max Bierley, Psychology,
North Dakota State University, Fargo, ND

John Byrne, Psychology & Cell Biology
University of Texas, Houston, TX

Ernon Campbell, Psychology,
Princeton University, Princeton, NJ

Arthur Cherkin, Education/Clinical Center
VA Hospital, Sepulveda, CA

Harry Crow, Psychology,
University of Pittsburgh, Pittsburgh, PA

Neil Davis, Psychobiology Research Lab.,
VA Hospital, Sepulveda, CA

Michael Decker, Neurobiology
University of North Carolina, Chapel Hill, NC

Terry L. DeVietti, Psychology,
Central Washington State University,
Ellensburg, WA

John Disterhoft, Anatomy
Northwestern University, Chicago, IL

Richard Fanelli, Psychology
University of North Carolina, Chapel Hill, NC

William Fishbein, Psychology,
CUNY, The City College, New York, NY

Joaquin M. Fuster, Psychiatry,
University of California, Los Angeles, CA

Michael Gabriel, Psychology,
University of Illinois, Champaign, IL

Michela Gallagher, Psychology,
University of North Carolina, Chapel Hill, NC

Paul E. Gold, Psychology,
University of Virginia, Charlottesville, VA

Richard Granger, ICS Department
University of California, Irvine, CA

William Greenough, Psychology,
University of Illinois, Champaign, IL

Robert Hawkins, Neurobiology & Behavior
Columbia University, New York, NY

Donald K. Ingram, Gerontology Research Center,
Baltimore City Hospital, Baltimore, MD

Robert Jensen, Psychology
Southern Illinois University, Carbondale, IL

Bruce S. Kapp, Psychology,
University of Vermont, Burlington, VT

- Christine Lebrun, Preclinical Neuroscience
Scripps Clinic, La Jolla, CA
- John Madden, Psychiatry/Behavioral Sciences,
Stanford University, Stanford, CA
- William Maki, Psychology
North Dakota State University, Fargo, ND
- Joe Martinez, Psychology,
University of California, Berkeley, CA.
- James L. McGaugh, Psychobiology,
University of California, Irvine, CA
- Bruce L. McNaughton, Psychology,
University of Colorado, Boulder, CO
- Rita B. Messing, Pharmacology,
University of Minnesota, Minneapolis, MN
- John W. Moore, Psychology,
University of Massachusetts, Amherst, MA
- Frank Morrell
Leyla de Toledo-Morrell, Neurological Sciences
Rush Medical College, Chicago, IL
- Aryeh Routtenberg, Psychology,
Northwestern University, Evanston, IL
- Edwin Rubel, Otolaryngology
University of Virginia, Charlottesville, VA
- Douglas Smith, Psychology,
Southern Illinois University, Carbondale, IL
- Paul R. Solomon, Psychology,
Williams College, Williamstown, MA
- N. E. (Skip) and Linda P. Spear, Psychology,
SUNY, Binghamton, NY

Larry R. Squire, Psychiatry,
Veterans Administration Medical Center
San Diego, CA

Debra Sternberg, Psychobiology,
University of California, Irvine, CA

Oswald Steward, Neurosurgery,
University of Virginia, Charlottesville, VA

Timothy Teyler, Neurobiology,
Northeastern Ohio University, Rootstown, OH

Richard Vardaris, Psychology,
Kent State University, Kent, OH

Claude Wasterlain, Neurology,
VA Medical Center, Sepulveda, CA

Gordon Winocur, Gerontology
University of Toronto, Ontario, CANADA

Steve Zornetzer, Associate Director,
for Life Sciences, Office of Naval Research,
Arlington, VA

GENERAL INFORMATION

MEETING LOCATION:

Prospector Square, Park City, Utah
Coalition 1 & 2 conference rooms

REGISTRATION FEE:

\$40.00 Payable in advance or at registration,
Saturday, January 12 from 3:00 to
3:45 pm in Coalition 1 & 2

TRANSPORTATION:

Transportation from Salt Lake International Airport to Park City (approximately 40 miles) is available in all forms. Bus, limousine, cab, rental car, etc.

Prospector Square provides a courtesy shuttle bus during peak periods to the ski area and downtown Park city. The fare is free and times vary with demand. Inquire at the hotel desk for further information.

Park City offers a ski shuttle service from the ski area to area hotels. The fare is free and the shuttle departs the ski area on the hour and every 20 minutes with the exception of no run at 2:00 pm.

The conference was organized by Michela Gallagher, Paul Gold, Raymond Kesner, Jim McGaugh, Aryeh Routtenberg, Paul Solomon, Larry Squire, Tim Teyler, Steve Zornetzer, and supported in part by the Department of Psychology and the Division of Continuing Education, University of Utah

*Everyone is encouraged to participate. Please contact the relevant chairman if you wish a 5-minute presentation.

CONFERENCE SCHEDULE

SATURDAY, JANUARY 12

3:00 - 3:45 pm - Registration

3:45 - 4:00 pm - Introduction

4:00 - 6:30 pm - Aging & Memory

A discussion of age related memory deficits in animals and humans

Discussion leader: Steve Zornetzer

*Major Participants: Carol Barnes, Ray Decker, Steven Ferris, Dave Olton, Bartus, Harvey Altman, Michael Decker, Steven Ferris, Dave Olton

6:30 - 8:00 pm - Cocktail (wine & cheese) Party
Location: Theatre Lounge

8:00 - Dinner - on your own

SUNDAY, JANUARY 13

4:00 - 6:30 - Human Cognition

Artificial intelligence: What are the psychological "components" for which we need neurobiological processes?

Discussion leader: Jim McGaugh

*Major participants: David Rumelhart, Rick Granger

6:30 - 8:30 pm - Dinner - on your own

8:30 - 11:00 pm - Animal Cognition

To what extent can theories of animal memory be useful for the understanding of the neurobiological basis of memory

Discussion leader: Ray Kesner

*Major participants: William Maki, Herb Roitblat, David Olton

MONDAY, JANUARY 14

4:00 - 6:30 pm - Model systems
Advantages and disadvantages of
using brain slices and invertebrate
preparations as model systems to
study learning and memory

Discussion leader: Tim Teyler

*Major participants: John Disterhoft
Rick Vardaris, Aryeh
Routtenberg, Terry Crow, Bob
Hawkins, John Moore

6:30 - 8:30 pm - Catered Pizza Party
(Fee included in registration)

8:30 - 11:00 pm - Modulation of neuronal
activity - Varieties of cellular
modulation, organizing principles
where modulators operate, and
functional implications

Discussion leader: Michela Gallagher

*Major participants: John Byrne,
Jim McGaugh

TUESDAY, JANUARY 15

4:00 - 6:30 pm - Long-term potentiation
To what extent can long-term
potentiation be considered a
candidate mechanism for memory
storage

Discussion leader: Ozzie Steward

*Major participants: Ed Rubel,
Aryeh Routtenberg, Ted
Burger, Bruce McNaughton

6:30 - 6:45 pm - Business Meeting

6:45 - 7:30 pm - Synthesis and Discussion
Jim McGaugh and Ozzie Steward