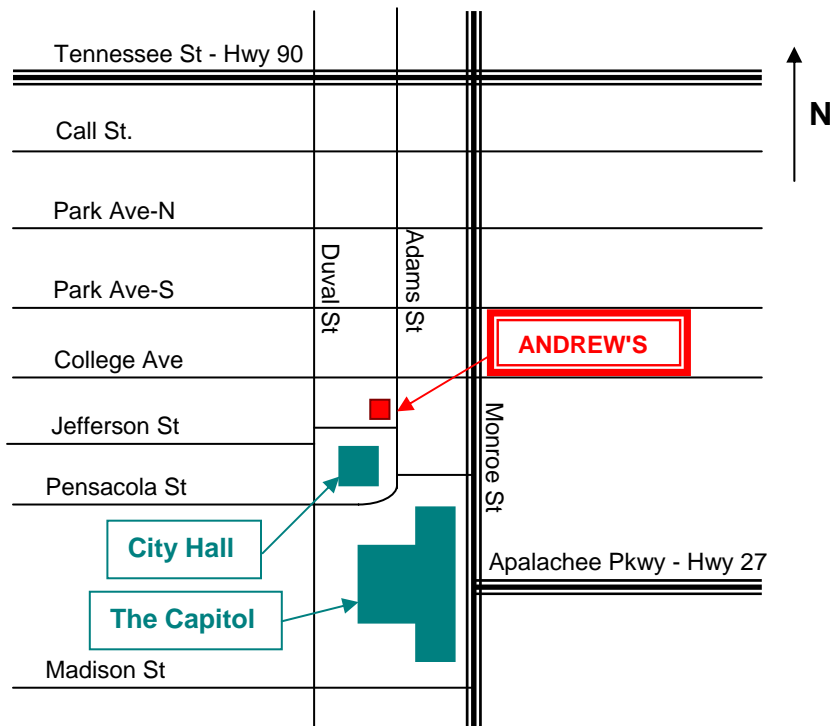


Previous Kasha Award Seminar Speakers

- 1995 - Dr. Linda Nicholson
- 1996 - Dr. Teresa E. Strzelecka
- 1997 - Dr. Steven Pascal
- 1998 - Dr. Anthony Nicholls
- 1999 - Dr. Kenneth Eilertsen

Reception/Dinner
Andrew's Upstairs -- 228 S. Adams Street
6:30 P.M.



The 2000 Kasha Award Seminar and Ceremony

The Florida State University
Tallahassee, Florida

Molecular Biophysics Graduate
Program

Speaker:

Dr. Ron A. Milligan

Senior Member
Department of Cell Biology
The Scripps Research Institute
LaJolla, California



April 20, 2000
11:00 AM
Room 499, SCRI



THE KASHA AWARD

The Kasha Award is given annually to recognize and stimulate research and to promote quality scientific writing. The award is named after Dr. Michael Kasha, Distinguished University Professor and founder of the Institute of Molecular Biophysics. All MOB students who are primary authors on a published paper in the past two years are eligible to be nominated by their major professor. Winners are selected by a committee.

WELCOMING REMARKS

Dr. Laura R. Keller
Professor Biological Science

INTRODUCTION OF SPEAKER

Dr. Donald L. D. Caspar
Professor of Biological Science

SPEAKER

Ronald A. Milligan, Ph.D.

Topic: *"Structure and Action of
Molecular Motors"*

PRESENTATION OF AWARD

Dr. Michael Kasha
Distinguished University Professor

THE SPEAKER

Ronald A. Milligan earned his undergraduate degree in Plant Science Microbiology at Leeds University in 1975. He received his Ph.D. in Cell Biology at Stanford University in 1984. He is now a Senior Member in the Department of Cell Biology at The Scripps Research Institute, La Jolla.

His work has impacted a number of problems from the structure of the eucaryotic ribosome and nuclear pore to the structure of the muscle thin filament and molecular motors. His work pushes the frontiers of cryoEM and image analysis. Recently, his effort has concentrated on the study of the various conformational states of actin-based and tubulin-based molecular motors.

Dr. Milligan's reconstructed images of actin bound myosin subfragment 1 were key to formulation of the original atomic model for the contractile mechanism. He has continued this acto-myosin work to show two conformational states of the actin-bound myosin head as well as showing structural evidence of the first backward-directed actin motor. Recently, his laboratory has contributed key evidence toward our understanding of processivity and directionality in tubulin based motors.

PREVIOUS WINNERS

- 1995 - Kenneth Eilertson and Drazen Raucher
- 1996 - Randal Ketchem
- 1997 - Priya Subramony
- 1998 - Goran Periz
- 1999 - Genfa Zhou