



MEETING PLANS FOR ANAHEIM

*Included with this Newsletter are:
Meeting Abstract Forms, Meeting
Preregistration Forms, Nomination
Form for Officers and Councillors,
Nomination Information for
Society Awards and a Membership
Application Form*

The annual meeting will be held on April 23-24 in Anaheim, CA, probably at the Anaheim Convention Center, immediately prior to the Experimental Biology '94 meeting. The banquet will be on Sunday, April 24. Unfortunately, this may conflict with some of the early activities of Experimental Biology and associated groups (such as the North American Vascular Biology Organization), but the expense of a Saturday night banquet is prohibitive (although MacDonald's Happy Meals *would* be quite appropriate for southern California). The plans are to have a very memorable evening of entertainment and camaraderie. Those of you who routinely skip the banquet may want to reconsider.

Accompanying this newsletter is this year's Abstract Form. **Please note that the Abstract Receipt deadline is November 15.** The FASEB Office of Scientific Meetings and Conferences did not distribute the draft of the abstract form until late September (instead of the usual mid-August) leaving little time to get the form finalized prior to mailing. However, since they have not charged us for publishing the abstracts in the FASEB Journal, we will likely continue to work through them.

The meeting Preregistration Form should also accompany this newsletter. Be advised that

this year, the Society will finally emerge from the Dark Ages and have a lower fee for Preregistration than for On-site registration. We hope that this will provide some incentive (absent in the past) to register in advance and minimize those horrible Saturday morning lines at the Registration Desk. In addition, we will try to have more assistance with Saturday registration.

The nomination form for Officers (President and Treasurer) and Councillors is included as page 3 in this newsletter. Please read those forms carefully and send in your nominations as indicated. Also, the nomination information for the Society's awards is included on page 2. Take an active part in the Society by nominating those individuals who you feel are deserving.

According to Mary Gerritsen, a significant number of quality manuscripts have been submitted to the Microcirculatory Society's new journal, *Microcirculation*. We are all looking forward to finally, after many years, having a journal over which our Society has editorial input. Please remember to send in your high quality manuscripts for publications in this outstanding Journal. If anyone needs Instructions for Authors, please let me know and I will personally send a copy to you.

The last item accompanying this newsletter is a Membership Application form. Please encourage any and all of your colleagues who are interested in the Society to apply for membership. Particularly with our own Journal being included in the dues, the advantages of membership are quite significant.



AWARDS OF THE MICROCIRCULATORY SOCIETY



The Microcirculatory Society requests nominations for the Eugene M. Landis Award, the Microcirculatory Society Travel Award, the August Krogh Young Investigator Award, and the IPM Innovative Instrumentation Award. An original and 5 copies of the correspondence concerning all awards should be forwarded to:

Dr. Joseph L Unthank
Dept. of Surgery, Wishard Memorial
Indiana University Medical Center
1001 West 10th St.
Indianapolis, IN 46202
phone 317-630-7866

Letters of nomination for each award (see below) must be received by December 1, 1993. The Awards Committee will select all awardees.

LANDIS AWARD

The Landis Award is given annually by the Society to an outstanding investigator who has published and continues to provide meritorious research related to the microcirculation in the United States and Canada. The nominator should provide:

1. a letter of nomination which includes a brief description of the major contributions of the nominee to the subject of microcirculation.
2. a current *curriculum vitae* of the nominee.
3. a list of the nominee's 10 most significant publications in the last 10 years. The nominator may provide this list as part of his/her letter of nomination or may simply highlight these publications in each copy of the nominee's *curriculum vitae*.

MICROCIRCULATORY SOCIETY TRAVEL AWARD

The Microcirculatory Society Travel Award is given annually to support the recipient's travel to one or more overseas scientific laboratories of his or her choice. This award is intended for a person who has received a doctorate or completed a first residency within 12 years prior to the deadline for nominations. The nominator should provide:

1. a letter of nomination which includes a brief description of the reasons why the award will benefit the nominee's career and advance knowledge in the field of microcirculation.

2. a current *curriculum vitae*.
3. a letter from the nominee outlining a provisional itinerary listing laboratories they would like to visit and a description of the benefits they would gain from visiting each listed laboratory.

AUGUST KROGH YOUNG INVESTIGATOR AWARD

This award will be given to a young investigator (graduate student or a person who has received a doctorate or completed a first residency within 3 years prior to the deadline for nomination) in the field of microcirculation. Those persons wishing to apply for this award should provide:

1. the original and 5 copies of a short manuscript (strict limit of 6 pages total for text, tables, and figures).
2. 6 copies of the abstract on which the manuscript is based.
3. the original and 5 copies of a sponsoring letter from a regular member of the Society.

The evaluation is based on the originality and competence of the submitted paper. Each abstract for the competition should be so designated on the abstract form.

INSTRUMENTATION FOR PHYSIOLOGY AND MEDICINE INNOVATIVE INSTRUMENTATION AWARD

This award is given to the most meritorious presentation that deals with new methodology or the novel application of existing instrumentation. Those persons wishing to have their presentation considered for this award should provide:

1. the original and 5 copies of a short manuscript (strict limit of 6 pages total for text, tables, and figures).
2. 6 copies of the abstract on which the manuscript is based.
3. the original and 5 copies of a sponsoring letter from a regular member of the Society.

The evaluation is based on the originality and competence of the submitted paper. Each abstract for the competition should be so designated on the abstract form.

**Microcirculatory Society
1994 Abstract Form**

**ABSTRACT MUST BE
RECEIVED BY MONDAY,
NOVEMBER 15, 1993**

**REMINDER: ALL PAPERS
WILL BE PRESENTED AS
POSTERS: NO ORAL
PRESENTATIONS**

**DO NOT FOLD
THIS FORM**

**ABSTRACT HANDLING FEE
\$30**

**Payable to:
The Microcirculatory Society**

Blue Lines are printer's cut lines; do not type on or outside of these lines.

**MAILING ADDRESS OF
FIRST AUTHOR**

(Please print in black ink or type.
Provide full name rather than
initials.)

Phone _____

Fax _____

Please rank your first, second and third choice of poster
category: rank

1. Microvessel Permeability/Exchange; Oxygen Delivery _____
2. Ischemia/Reperfusion; Clinical _____
3. Instrumentation/Methodology _____
4. Cell and Molecular Biology/Pharmacology _____
5. Networks/Vascular Mechanics _____
6. Angiogenesis/Vascular Remodeling _____
7. Tumor Biology _____
8. Vascular Cell Interactions _____
9. Interstitium _____
10. Hemodynamics and Regulation _____
11. Transport and Regulation _____
12. Other (Specify) _____

AWARDS

Are you eligible and
applying for one of the
following Society awards?
(see accompanying
information)

August Krogh Young
Investigator Award _____

IPM Innovative
Instrumentation Award _____

Member's Name (Print or Type)

Member's Signature

Member's Telephone

Mail Abstracts to arrive by Monday, November 15, 1993

to:

Dr. F.E. Curry

Department of Human Physiology

UC-Davis School of Medicine

MS1A, room 4136

Davis, CA 95616-8644

phone 916-752-1973

PREPARATION OF ABSTRACTS

Two original abstract forms are enclosed. Additional forms are available from the Experimental Biology 94 FASEB Office of Scientific Meetings and Conferences.

DO NOT TYPE ON A PHOTOCOPY OR HANDMADE FACSIMILE OF THE ORIGINAL FORM. DO NOT SEND ABSTRACTS VIA TELEFACSIMILE.

Review the RULES FOR SUBMISSION OF ABSTRACTS included in the brochure. An individual may be first author of and present only one volunteered scientific paper.

Your abstract should be informative, containing: (a) the study's specific objective, unless this is given by the title; (b) brief statements of methods, if pertinent; (c) a summary of the results; (d) the conclusions. It is NOT satisfactory to state: "The results will be discussed."

Use short specific titles. Avoid using superfluous words such as: "preliminary studies on," etc.

Tables and figures are permitted within this space.

All compounds that are designated by code or initial letters in the title must be identified adequately in the abstract, e.g., MJ-1999; 4-(2-isopropylamino-1-hydroxyethyl) methanesulfonanilide hydrochloride.

Each Abstract Form submitted must be signed by a participating or FASEB Society member. Signature provides assurance of adherence to the rules included on page 18 and the scientific validity of the presentation.

TYPING INSTRUCTIONS

1. Under names and initials of all authors. If no author is a member, follow author(s)' name(s) by SPON: and the name of the sponsoring member. See sample.
2. List the institution(s) and zip code(s) of the author(s). When listing authors from different institutions, list the affiliations by author order without reference marks. List the institution where the work was performed even if the author(s) are no longer at that institution.
3. DO NOT ERASE. Remember that your abstract will appear in *The FASEB Journal* exactly as you submit it; any erasure, smudges, errors, misspellings, poor hyphenations and deviations from good usage will be reproduced in the published abstract.
4. Do not paste copies of abstracts on the abstract form. Abstracts with pasted material will not be accepted.
5. The abstracts are photographed at a reduced size for publication in *The FASEB Journal*. To keep your abstract from becoming illegible, do not use type size that is less than 12 characters per inch. Use a high-quality impact, ink jet, or laser printer for best results.
6. Any special symbols, such as Greek letters, that are not on your typewriter or word processor must be drawn by hand in BLACK ink. Blue ink or type does not photograph.
7. When using abbreviations for compounds, spell out in full the first mention, followed by the abbreviation in parentheses.
8. Acknowledge the source of research support on the bottom line of the abstract form.
9. Practice typing the abstract in a rectangular 4 1/4" x 4 3/4" on plain paper before using the special form. The abstract must be submitted on this form.
10. **Fill in all requested information on the Abstract Form.**

SAMPLE TO SHOW STYLE



SUBMISSION INSTRUCTIONS

1. Enclose \$30 processing fee payable to Microcirculatory Society.
2. Submit abstract and 2 photocopies. DO NOT FOLD.
3. If you wish confirmation of abstract receipt, include a stamped, self-addressed post card.

ENDOGENOUS NITRIC OXIDE (NO) PROTECTS AGAINST PLATELET ACTIVATING FACTOR (PAF)-INDUCED BOWEL INJURY IN THE RAT. W. MacKendrick, E. Hedlund, X. Ou and M. Caplan (SPON.: W. Hsueh). Dept. of Pediatrics, Evanston Hospital, Evanston, IL 60201 and Children's Memorial Hospital, Chicago, IL 60614

Because endogenous NO is known to promote microvascular integrity and decrease leukocyte adherence, we hypothesized that it might play a protective role against PAF-induced bowel injury in the rat. Male Sprague-Dawley rats were pretreated i.v. with either 2.5 mg/kg Ng-nitro-L-arginine methyl ester (L-NAME), a potent NO synthase inhibitor, or saline placebo, given 1.5 ug/kg PAF i.v. 15 minutes later, and significantly worse bowel injury than those pretreated with L-NAME had significant increase in intestinal neutrophil content as quantified by myeloperoxidase assay (mean±SEM; 6.51±0.57 vs. 12.72±1.89 U/g, p=0.025). The final hemacrit was also significantly higher in rats pretreated with L-NAME (53.9±1.0 vs. 65.2±1.9, p<.01). Intestinal PAF levels did not significantly differ between groups. L-NAME pretreatment also appeared to enhance PAF-related cardiovascular toxicity, since 4/7 rats pretreated with L-NAME died prior to the end of the 2 hour experimental period. The effects of L-NAME pretreatment were reversed by sodium nitroprusside administration. L-NAME given alone did not produce bowel injury, increase intestinal myeloperoxidase activity, or increase Hct when compared to a group of normal controls. We conclude that endogenous NO represents an important defense mechanism against PAF-induced bowel injury in the rat.

Supported in part by NIH grant RR-05370

**NOMINATION BALLOT FOR THE 1994
ELECTION OF OFFICERS FOR
THE MICROCIRCULATORY SOCIETY**

Instructions: Please record your nominations for the offices of President-elect, Treasurer, and Council in the spaces provided below.

Please note that the deadline for receipt of the completed nomination ballot is December 1, 1993.

SEND the completed ballot to:

Dr. Peter R. Kvietys, Ph.D.
Department of Physiology
LSU Medical Center
P. O. Box 33932
Shreveport, LA 71130-3932
(318)674-6005

or FAX it to:

PRESIDENT-ELECT

TREASURER

COUNCIL

For your information, the following people are current officers and council members until the dates indicated:

Past President:	Herbert H. Lipowsky (1994)	
President:	Roland N. Pittman (1994)	
President-Elect:	Fitz-Roy E. Curry (1994)	
Secretary:	Bruce M. Klitzman (1995)	
Treasurer:	Antal G. Hudetz (1994)*	
Council:	William Chilian (1994)	Ronald Korthuis (1995)
	Virginia Huxley (1994)	Mary Ellsworth (1996)
	Michael Davis (1995)	Mary Townsley (1996)

*Only the Treasurer is allowed to serve one more 2-year term.

