

May 11, 2007

Mary Martel, PhD  
AAPM President  
One Physics Ellipse  
College Park, MD 20740

Dear Mary,

This letter is my first report of 2007 as AAPM liaison to the Academy of Radiology Research. I attended the mid-year meeting of the ARR Board held in conjunction with the Association of University Radiologists on May 25/27, 2007 in Denver, Colorado. There were approximately 15 Board members present at the meeting.

Ms. Renee Cruea, the new ARR Executive Director, reported on her ongoing efforts to work with members of the staffs of various congressmen in preparing materials and testimony designed to achieve the aims of ARR member societies. She reported that a couple of the smaller societies were having difficulties paying dues this year but that all of the major players have paid or indicated payment in the near future. The global budget continues to be approximately \$500,000 per year. The Board considered and approved proposed changes in the By-laws which were primarily updates to remove references to the start-up phase of the Academy. No substantive changes were considered. Preparations for a dinner co-sponsored by ARR and AIMBE in conjunction with the 5<sup>th</sup> Anniversary of NIBIB were discussed. This dinner and symposium will be in Washington DC on May 31 and June 1. I plan to attend as the AAPM representative.

Apparently the written report for the "Blueprint for Imaging in Biomedical Research" held in the September/October 2005 is now complete and will be published soon. Bill Hendee and Dick Ehman were the key players in completing this document. The ARR is working on re-invigorating the CIBR (Coalition for Imaging and Bioengineering Research <http://www.imagingcoalition.org/cibrhome.asp>) concept initiated by Ed Nagy. This project lost momentum following Ed's death and is just now beginning to take

shape. The most interesting aspect of this organization is that it allows participation of patient advocacy groups which are most effective in communications with Congress.

As AAPM delegate I presented a formal proposal for ARR to join with AAPM and AIMBE in planning the BIROW V for January 2008 (See attached Letter and Powerpoint slides). Although no formal vote was taken on this proposal, the ARR President, Dr. N. Reed Dunnick, indicated approval of the proposal for increased participation in the planning meeting which is set for June 22 at AAPM Headquarters. Richard Ehman, Nick Bryan and James Thrall are members of the subcommittee assigned the task of evaluating ARR participation in BIROW.

This report is a summary of the most important topics presented relative to AAPM interests. Please contact me if you need amplification on any of the topics discussed here or topics on the enclosed agenda that were not discussed in this report.

Sincerely Yours,

Gary D. Fullerton, Ph.D.  
AAPM Delegate to ARR

Thursday, April 19, 2007

## **Proposed Action on BIROW from AAPM**

N. Reed Dunnick, MD  
Fred Jenner Hodges Professor and Chair  
Department of Radiology  
University of Michigan  
1500 East Medical Center Drive  
Ann Arbor, Michigan 48109-0030

ARR Academy President

Dear Reed,

This letter from the American Association of Physicists in Medicine (AAPM) requests time on the agenda for the upcoming ARR Board Meeting in Denver , 10:30am - 12:00 pm, Thursday April 26, Hyatt Regency Denver at the Colorado Convention Center, Mineral Hall A to propose increased participation of ARR in the NIBIB sponsored BIROW project. As you will recall this topic was discussed at the Board meeting last spring in Austin and an Ad hoc committee chaired by R. Ehman was appointed to investigate the proposal. Since the last discussion of this topic there have been several key developments:

1. The NIBIB Meeting grant has been changed from an R13 to a U13 to allow more direct participation of NIBIB personnel in programmatic planning with J. Haller as the NIBIB spokesperson.
2. The recipient of the grant has been moved from Vanderbilt University to the AAPM, a charter member of the AIMBE COS and ARR to facilitate interchange with bioengineers.
3. The PI for the project has been changed from L. Partain (Representing RSNA) to G. Fullerton (representing AAPM) to further enhance ties between imaging and bioengineering
4. The BIROW Program Committee, at the request of NIBIB Director, Rod Pettigrew has agreed to promote expansion of BIROW into more mainstream bioengineering.
5. The Program Committee is now considering the proposal from J. Haller to change the name to BIROW (Bioengineering and Imaging Research Opportunities Workshop) to maintain the branding of the BIROW conference but better reflect enhanced commitment to inclusion of both imaging and bioengineering input.
6. The AIMBE Council of Societies agreed to participate actively in BIROW V by coordinating the programmatic input of the 15 bioengineering society members of the Council.

**Proposed Action Item:** The AAPM proposes that ARR more actively participate in the organization and execution of the BIROW V meeting in January 2008 in cooperation with bioengineering societies using methodologies developed over the past five years by the BIROW Program Committee as the starting point for a newly expanded project.

To enhance discussion of the project I have obtained input from key individuals from BIROW, AAPM, AIMBE and NIBIB to present key concepts and answer questions as follows:

History of BIROW - G. Fullerton & L. Partain, Input of NIBIB - J. Haller, Methods & White Paper - W. Hendee, AAPM Operational Support - A. Keyser / L. Fairbent, Input of AIMBE Council of Societies - A. Meyer / J. Rivkin

In addition the following timeline is proposed.

Plan: Program Planning - June 2007 at AAPM Headquarters, Washington DC

Execution: January 2008

Place: Washington DC

Publication: White Paper September 2008

Gary D. Fullerton, PhD

AAPM Delegate to ARR

AAPM Delegate to AIMBE Council of Societies

PI NIBIB grant to AAPM to support BIROW V and VI

## Bioengineering and Imaging Research Opportunities Workshop – BIROW V

- **Gary Fullerton, Replacement PI to promote integration**
- **Leon Partain, Original PI continues on Executive Committee**
- **John Haller – Representative for input from NIBIB**
- **William Hendee - Methods & White Paper Editor**
- **Angela Keyser / Lynne Fairbent - AAPM Operational Support**
- **Anne Meyer / Jason Rivkin - AIMBE Council of Societies**
- **Proposed Action Item:** The AAPM proposes that ARR more actively participate in the organization and execution of the BIROW V meeting in January 2008 in cooperation with bioengineering societies using methodologies developed over the past five years by the BIROW Program Committee as the starting point for a newly expanded project.
- **Richard Ehman / Andrea Cruea- Academy of Radiology Research**

## AAPM

### American Association of Physicists in Medicine

•Headquartered in College Park, Maryland in the American Center for Physics, the AAPM team consists of 20 association professionals.

•The AAPM team has extensive experience organizing meetings of varying size and complexity.

•The AAPM Annual Meeting attracts over 3,000 attendees, over 1,000 abstracts and 120 exhibiting companies.

•AAPM provided the staff support for the first BIROW, held in 2003.

•AAPM is committed to providing the staff support necessary to BIROW, including hotel arrangements, web site development, online meeting registration, online abstract processing, and assistance with the administrative functions relating to the program development.

## Changes in BIROW 2006-2007

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- The recipient of the grant has been moved from Vanderbilt University to the AAPM, a charter member of the AIMBE COS and ARR to facilitate interchange with bioengineers.
- The PI for the project has been changed from L. Partain (representing RSNA) to G. Fullerton (representing AAPM) to further enhance ties between imaging and bioengineering
- The BIROW Program Committee, at the request of NIBIB Director, Rod Pettigrew, has agreed to promote expansion of BIROW into more mainstream bioengineering.
- The Program Committee is now considering the proposal from J. Haller to change the name to BIROW (Bioengineering and Imaging Research Opportunities Workshop) to maintain the branding of the BIROW conference but better reflect enhanced commitment to inclusion of both imaging and bioengineering input.
- The AIMBE Council of Societies agreed to participate actively in BIROW V by coordinating the programmatic input of the 15 bioengineering society members of the Council.

## AIMBE

### American Institute for Medical and Biological Engineering

**An advocate for technological innovations that save and enhance lives.**

*Founded: 1991*

*Based in Washington, DC*

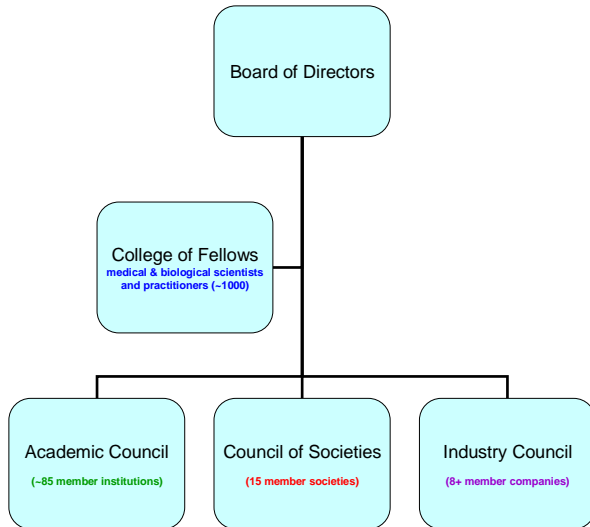
**Focus:** Serve & coordinate a broad constituency of medical and biological scientists and practitioners, scientific and engineering societies, academic departments, and industries.

**Key Activities:** Annual event (late February; D.C.)

Public policy activities (2-3 per yr in D.C.)

**NEW:** College of Fellows Roundtables (regional)

## AIMBE



## AIMBE - Council of Societies

...serve and coordinate...scientific and engineering societies...

**Key Annual Activity: Federal Symposium & congressional visits (Fall)**

**Current Initiative:**

- explore future partnership in BIROW

**status:**

- future formal partnership under discussion (AIMBE Board)

- COS Member Societies invited by AAPM to participate

in June '07 planning meeting for

2008 BIROW

- 2-3 COS Member Societies have expressed strong interest

## AIMBE - Council of Societies

...serve and coordinate...scientific and engineering societies...

- American Association of Physicists in Medicine
- American Institute of Chemical Engineers
  - Div.15/Society for Biological Engineering
- American Society of Agricultural and Biological Engineering
- American Society of Biomechanics
- American Society of Mechanical Engineers – Bioengineering Division
- Biomedical Engineering Society
- Controlled Release Society
- IEEE – Engineering in Medicine and Biology Society
- Institute of Biological Engineering
- International Society for Analytical Cytology
- International Society for Magnetic Resonance in Medicine
- Orthopaedic Research Society
- Rehabilitation Engineering and Assistive Technology Society of N.A.
- Society For Biomaterials
- Surface in Biomaterials Foundation