

## President's Message



Sally S. Atherton, PhD  
ARVO President

Dear ARVO Members,

As we near the close of 2003, the ARVO Board, Committees, and staff are completing activities for this year and making plans for 2004.

### Where are we now?

We are ending the year with 10,511 members. With 4,302 members outside the United States, our international membership remains at 42 percent. The number of members-in-training grew in 2003, with 2,125 Fellow and 961 Pre-doctoral members.

## Annual Meeting Highlights



### ARVO Sponsored Workshops

Keep an eye out for this new icon letting you know about ARVO sponsored workshops. Check out the *Annual Meeting Focus* for more information.



### Print-on-Demand Abstracts

The Print-on-Demand Abstract Book will once again be available to those who wish to purchase a bound copy of all the abstracts being presented at the 2004 Annual Meeting. You will be able to access the Print-on-Demand site via the online 2004 Abstract Search and Program Planner at [www.arvo.org](http://www.arvo.org) on February 23, 2004.

## Strategic Plan Update

Having been launched this summer, implementation of the 2004–2009 Strategic Plan is gaining momentum. At its meeting on October 25, the Board of Trustees heard reports from the 16 Objective Panels that will be carrying the plan forward. Notable among these reports were the presentations from the panels addressing the venue and location of the ARVO Annual Meeting, International Member Outreach, and ARVO's Governance Structure. Reports on these and other Objective Panel presentations can be found on page 5.

## Advocacy

While in Washington for the Board Meeting, several Trustees paid visits to key members of Congress involved in the appropriation process for the National Eye Institute. These visits were informative and educational for all participants. For a unique international perspective on these visits, see the article on page six written by AP Trustee **Martine Jager, MD, PhD** who joined me on my visits to the Georgia House and Senate members. These visits, an integral part of ARVO's Advocacy program, were organized with the help of the staff from the National Alliance for Eye and Vision Research (NAEVR), to whom ARVO is very grateful for their experience and assistance.

## Member Involvement

2004 will be an exciting year for ARVO. Members will have many opportunities over the course of the year to get involved with the organization. Our annual Call for Volunteers is included on page 11 and

(Continued on page 3)



In addition, you may still purchase a 2002 or 2003 Print-on-Demand Abstract Book by accessing the respective online Abstract Search and Program Planners at [www.arvo.org](http://www.arvo.org).

### Expanded Internet Access

Look for expanded free Internet access at the 2004 Annual Meeting. The computer service in the ARVO Internet Suite on the second floor of the Center will be doubled to 20 computer terminals. Also, the Cyber Café, adjacent to Lobby B/C, will provide free Internet service as well as operate a snack bar.

### Exhibitor Forums—NEW!

ARVO is offering a new program at the 2004 Meeting. Exhibitor Forums, run by participants in the Exhibits Program, will be scheduled throughout the Meeting week. Watch for details on the ARVO Web site and in the *Program Summary Book* and *Meeting Update*.

More 2004 ARVO Annual Meeting news available in the *Annual Meeting Focus*, enclosed with this Newsletter.

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# Elections

## 2004 Trustee Election

### 2003–2004 Officers

**Sally S. Atherton, PhD**  
*President*

**Joseph C. Besharse, PhD**  
*Vice President*

**Oliver J. Braddick, PhD**  
*Vice President*

**Gary W. Abrams, MD**  
*President-Elect*

**Thomas Yorio, PhD**  
*Vice President-Elect*

**Robert N. Weinreb, MD**  
*Immediate Past President*

**Paul L. Kaufman, MD**  
*Executive Vice President*

### ARVO Office

**Joanne G. Angle**  
*Executive Director*

**Kimberly M. O'Sullivan**  
*Publications Coordinator*

12300 Twinbrook Parkway, Suite 250  
Rockville, MD 20852-1606  
Phone: (240) 221-2900  
Fax: (240) 221-0370



**You may register online to become a member of the Association for Research in Vision and Ophthalmology, renew your membership or register to participate in the 2004 Annual Meeting.**  
[www.arvo.org](http://www.arvo.org)

All voting members (Regular, Family, Sustaining, Life, and Family Life) of the Immunology and Microbiology (IM), Retinal Cell Biology (RC), and Visual Psychophysics and Physiological Optics (VI) sections will elect Trustees in 2004. Proxies and candidates information will be distributed in February 2004.

**Immunology and Microbiology**  
**Todd Margolis, MD, PhD**  
University of California, San Francisco

**Retinal Cell Biology**  
**John Penn, PhD**  
Vanderbilt University School of Medicine

**Barry Winkler, PhD**  
Oakland University

**Visual Psychophysics and Physiological Optics**  
**Janette Atkinson, PhD**  
University College, London

**Donald Hood, PhD**  
Columbia University

**NEW FOR 2004...** Your proxy may be registered online or mailed to the ARVO Office. Advance proxies must be registered by April 14, 2004. Instructions for both methods of registering your proxy will be included in the election mailing. Proxy may also be cast in person or amended in the 15 minute period preceding your Section's Business Meeting. Election results will be announced in the corresponding Section's Business Meeting.

## Nominees Sought for 2005

### Board of Trustees Elections

Members of the Physiology and Pharmacology (PH) and Retina (RE) Sections will nominate candidates for the Board of Trustees during their Sections' Business Meetings. Each Section will nominate no more than two candidates for the 2005 ballot. In preparation, members of these Sections are encouraged to consider, prior to their Sections' Business Meeting, who would best represent their interests on the Board.

## Volunteer Today for an ARVO Committee

ARVO Committees are active in many areas: developing programs, enhancing member services, and assisting the Board of Trustees in the leadership of the Association. Each year, ARVO members have the chance to express interest in serving on a Committee and playing a more active role in filling these critical Committee functions. Service on an ARVO Committee will bring you close to the inner-workings of the Association, providing opportunities for personal and professional development and advancement.

Appointments to ARVO Committees are made each year by the President-Elect. New Committee appointees are encouraged to attend Committee functions at the Annual Meeting prior to the commencement of their terms at the close of the Annual Meeting. Throughout the year, Committees meet via conference call, with the only face-to-face meetings typically occurring in conjunction with the ARVO Annual Meeting. To be considered for appointment, visit the Committees page under "About ARVO" on the ARVO Web site. Here you can view committee descriptions and learn more about the work of the committees. The Volunteer Form can be found on page 11 and on the ARVO Web site at the Committee main page and on each Committee's individual page. Complete the form today and submit it to the ARVO Office for appointment consideration in 2004.

# 2004 ARVO Calendar

- January 23-24** Program Committee Meeting
- January 27** **Deadline** for Abstract Withdrawal (if withdrawn after this date, abstract(s) will still appear in Meeting publications.)
- February 2** Proxy Ballots mail to IM, RC, and VI Sections
- February 23** Abstract Acceptance Notification and Abstract Search Program Activated [www.arvo.org](http://www.arvo.org)
- March 2** **Deadline** 2005 Awards Nominations
- March 12** **Deadline** for Online Housing Reservations
- April 2** **Deadline** for Early Registration Fees
- April 14** **Deadline** for Advance Return of Proxy Ballots
- April 16** **Deadline** for Annual Meeting Advance Registration [www.arvo.org](http://www.arvo.org)
- Deadline** for ARVO Courses Registration [www.arvo.org](http://www.arvo.org)
- April 20** **Deadline** for Advance Registration Refund Requests (must be made in writing and accompanied by namebadge.)
- April 23-24** Vision Research Conference (two days)
- April 24** Onsite Registration opens for 2004 ARVO Annual Meeting
- ARVO Courses  
9:00 AM–4:00 PM
- *Evidence-based Ophthalmology: A Workshop on Finding, Synthesizing and Applying Clinical Evidence*
  - *Investigational Ocular Oncology*
- April 25–29** ARVO Annual Meeting  
Fort Lauderdale, Florida

(President's Message continued from page 1)

I strongly encourage any member willing to be considered for appointment to an ARVO Committee to step forward by completing this form and returning it to the ARVO office. This year will also offer many opportunities for members to participate in surveys to gather data that will be used in planning the various programs, products, and initiatives addressed in the Strategic Plan. Your participation in these activities is critical, and I hope that when you receive these surveys that you will be willing to take the time to share your thoughts on the future of our organization.



Photo: J. Matthews



Photo: J. Matthews

## 2004 Annual Meeting

I look forward to seeing you all in Fort Lauderdale, April 25–29, 2004. The 2004 Meeting promises another program of cutting-edge science, discovery, and innovation. Our Keynote Address, sponsored by The ARVO Foundation, will feature Stephen Straus, MD, director of the National Center for Complementary and Alternative Medicine of the National Institutes of Health.

ARVO committees will be hosting a variety of workshops on professional and research issues including the impact of HIPAA, intellectual property issues, and challenges facing international researchers. This year will also feature new programs for research administrators, chairs of basic science departments, and low vision researchers. Details on these program features and much more can be found in the new *Annual Meeting Focus*, included with this *Newsletter*.

This is an exciting time to be a member of ARVO. I look forward to hearing from you in the coming months and seeing you in Fort Lauderdale.

Sincerely,

Sally Atherton, PhD



## News from Animals in Research Committee

ARVO Animals in Research Committee Chair, **Jeff Kiel**, PhD, and ARVO Delegate **Maureen Powers**, PhD attended the Association for Assessment and Accreditation of Animal Laboratories Care (AAALAC) Board of Trustees Meeting, in Washington, DC, September 20–21, 2003. Highlights from the meeting included a workshop on regulatory burden reduction led by representatives from AAALAC, United States Department of Agriculture (USDA), Federal Drug Administration (FDA) and the Office of Laboratory Animal Welfare (OLAW) who fielded pre-submitted questions and questions from the audience. The following topics were discussed:

1. Implementation of Public Health Service (PHS) “Just in time” policy for Institutional Animal Care and Use Committee (IACUC) approval letters.
2. USDA’s handling animal rights group’s instigated inspections of all US Veterinary Schools and future implications.
3. Reciprocity of IACUC approval between collaborating institutions (duplicate reviews are not required).
4. FDA policy regarding medical treatment of animals that become sick during testing.
5. OLAW need to more broadly disseminate its interpretations of PHS policies.
6. Threshold for IACUC review of animal number increases in IACUC protocols.
7. Balancing performance versus engineering standards.
8. Requirement for IACUC review of both grant and IACUC protocol.
9. Primate enrichment.

At the annual Awards Banquet, Dr. Powers was praised for her contributions to AAALAC. Dr. Powers has served as the ARVO representative to the AAALAC Board since 1994, serving the last year as the association’s Vice Chair. Dr. Kiel was welcomed as the new ARVO representative to the AAALAC Board at the Board’s business meeting on Sunday.

ARVO is grateful for Dr. Power’s service over the years and her contributions to the advancement of both organizations.

## International Initiatives Take Center Stage in ARVO Long Range Plan

Since 1992, international membership in the Association for Research in Vision and Ophthalmology (ARVO) has more than doubled, growing from 2,053 or 27 percent of the ARVO membership in 1992 to 4,400 or 42 percent today. To address ARVO’s increasing responsibilities as an international organization, several initiatives are included in the Association’s new Long Range Plan for 2004–2009. One of these is to focus on the need of vision researchers working outside the United States. ARVO President Sally Atherton, PhD, stated that “ARVO is truly excited by the challenges and opportunities presented by its international growth and expansion. While vision researchers have much in common, regardless of setting, there are needs that are specific to our members in Europe, Asia, North and South America, Africa, and Australia. As an organization we have an obligation to meet these needs.”

As of 10/03	US	non US
Regular	3970	2826
Stud/Fellow	1715	1371
Family	281	195
Emeritus	60	6
Life	19	21
Contr/Sust	19	8
Hon/Comp	10	10
<b>TOTAL</b>	<b>6074</b>	<b>4437</b>

### The new initiatives focus broadly on areas of communication, member service, and advocacy for research policy and funding.

Several projects of particular note include:

- Increased use of the Internet for the dissemination of ARVO news items, publications and educational materials and programs, providing access to vision researchers and ARVO members around the world.
- Funding of additional travel grants and other programs for international researchers attending the ARVO Annual Meeting.
- Expanding ARVO’s policy advocacy program to encompass research funding and regulatory issues outside of the United States.
- Providing support and information for members facing difficulties in securing visas for travel to scientific meetings in the United States.
- Opening opportunities for international members to become more involved in volunteer and leadership positions within the organization.

These initiatives are moving forward under the direction of several ARVO organizational structures. The International Members Objective Panel, chaired by Glaucoma Trustee **Robert Ritch**, MD has general oversight of international objectives in the strategic plan. The International Members Committee, chaired by **Jacob Pe’er**, MD carries out specific programs and projects approved by the Board. The Advocacy Committee, chaired by **M. Christine McGahan**, PhD is responsible for the education and communication related to international advocacy objectives. For more information on any of the international initiatives, contact any of these individuals or Robert Rupp in the ARVO Office.

# Committees

## Long Range Planning Committee

The Committee under the Chairmanship of **Gary Abrams**, MD, President-Elect, presented its progress report to the Board of Trustees at its recent meeting. Goal Chairs responsible for the broad areas addressed in the ARVO Long Range Plan, 2004–2009 provided detailed updates. To view each of the objectives and the goals for each objective, visit the Strategic Plan page found in the “About ARVO” section of the ARVO Web site, [www.arvo.org](http://www.arvo.org).

## Annual Meeting Goal

A survey was conducted of past attendees of the Annual Meeting. Data from this survey is being used by both objective panels for this goal (Meeting Program and Meeting Location).

**Steve Wilson**, MD reported that the Meeting Location Objective Panel had looked at a number of cities, focusing on those that had satisfactory space and dates. The Committee identified Fort Lauderdale, New Orleans, and San Diego as viable options for future meeting locations. Preliminary cost comparisons on these locations showed that New Orleans and San Diego would be more costly to ARVO than Fort Lauderdale. Detailed proposals will be solicited from San Diego, New Orleans and Fort Lauderdale based on a three meeting booking in alternate years and addressing labor costs and space rental concessions as well as the items shown to be important to meeting attendees.

**Larry Takemoto**, PhD reported that the Meeting Program Objective Panel, chaired by **Rick Ferris**, MD will meet at the close of the Program Committee Meeting in January, 2004. This Panel will review the survey data and discuss recommendations regarding the content and format of the Annual Meeting.

## Publications Goal Panel

**Tom Yorio**, PhD reported on the recent activities of the Publications Committee relative to the Long Range Plan. With the decision to continue self-publication of *IOVS* and *JOV*, the Committee will now return to the task of evaluating the administrative structure that manages ARVO's publication process. The Committee will also be working with a consultant, Morna Conway, to develop a readership needs assessment and usability survey that will be administered in early 2004.

## Membership Goal Panel

**Sally Atherton**, PhD reported on the progress of the objective panels addressing this goal. The panels dealing with communication and recruitment have just formed and will be meeting in the coming months.

**Robert Ritch**, MD reported on the organization and priorities of the International Members Objective Panel. This panel will work with the Advocacy Committee and International Members Committee, as well as the other Membership Goal Objective Panels to coordinate the expansion of programs and services to international members. The panel will convene in the coming weeks to begin development of a needs assessment for international members.

**Dan Organisciak**, PhD reported on the work of the New Services Objective Panel. This panel has communicated via e-mail and gathered a number of statistics on ARVO membership demographics. The committee will be meeting via conference call in the next four to six weeks.



## Other Meetings and Educational Programs

**Larry Takemoto**, PhD reported on the activities of the Other Meetings Objective Panel, chaired by **Tom Freddo**, OD, PhD which has met and defined the scope of its activities. The panel will be working

to develop criteria for evaluation of proposals for meeting co-sponsorship (e.g., SERI/ARVO), explore potential scope and process for planning, funding, and hosting small interdisciplinary meetings (e.g., Gordon-type conferences), and coordinating activities with other stakeholders.

## Advocacy Goal

**Paul Kaufman**, MD reported on the objective panels addressing the Advocacy Goal. The International Advocacy Objective Panel is planning a second workshop for the 2004 Annual Meeting and is looking at other ways to address the issue and provide advocacy resources to international members, specifically the development of a library or a database of cross-border comparative information and support for establishment of structures like NAEVR in other countries. The Board also discussed the possibility of addressing clinician scientist issues under this goal. An objective related to clinician scientists will be added to the Advocacy Goal. **Robert Weinreb**, MD will serve as objective chair. Staff will assist in drafting the language for the objective, developing the objective action plan, and forming an objective panel.

## ARVO Organizational Development Goal

**Gary W. Abrams**, MD reported on the work of the Organizational Structure Objective Panel, chaired by **Janice M. Burke**, PhD, that is looking at issues related to ARVO's structure and governance. A synopsis of the e-mail communication between objective panel members was shared with the Board. Key issues being examined by this panel include the Sectional structure of ARVO, the composition of the Board of Trustees, the election and duties of the ARVO President, and the need for expanded international representation on the Board of Trustees. The Board discussed the issues raised by the panel and also discussed the ex-officio status of the *IOVS* Editor-in-Chief on the Board vis-à-vis the absence of the *JOV* Editor-in-Chief.



# Advocacy

## An Outsider's View of the US Congress

Martine J. Jager, MD  
AP Trustee

In order to lobby for eye research funds, a delegation of ARVO trustees went to Capitol Hill on October 24, 2003. The meetings between Trustees and representatives of the Trustees' States had been set up by the Director of the National Alliance for Eye and Vision Research (NAEVR) Mr. James Jorkasky, and the professional lobbyists that support NAEVR's work. As a European, I was very interested to see the whole lobbying process and joined our President, Sally Atherton, and one of the lobbyists in visiting members of the Georgia delegation in the US House of Representatives and Senate.



*Pictured from left to right: Rachael Galoob Ortega of NAEVR, Tyler Thompson, aide to Senator Miller (D-GA), and ARVO members Sally Atherton and Martine Jager*

Instead of meeting a Congressman or Senator, we met with smart youngsters on the Congressman's or Senator's staff who were very interested in health care policy. Relating to their family members, we made it obvious that spending money on eye research now will help to cut spending on treatment of eye diseases in the elderly later on. Finding cures for congenital eye diseases may even more contribute to decreasing medical costs in the future. We tried to make it clear that it is unwise to decrease funding and even better to increase it. Since these brilliant youngsters seem to be very informed about all the bills that go through the House and Senate, perhaps our visits may have some influence. For me, it was fascinating to see how things work and how professional lobbyists can help to raise awareness on eye research in influential offices.

## ARVO Members Enhance Value Message of Eye and Vision Research on Capitol Hill

As Congress works to finalize an FY2004 Labor-HHS-Education (LHHS) Appropriations bill that includes funding for the National Eye Institute (NEI), ARVO members have been sharing their voices about the value of eye and vision research through educating Hill staff, writing letters to their representatives, and making Capitol Hill visits, all coordinated through the National Alliance for Eye and Vision Research (NAEVR).

## 2004 Budget Process Summary

In summary, the House passed an FY2004 LHHS bill in June that provided \$648 million for the NEI, a 2.5 percent increase over FY2003 and the same as the President's FY2004 budget request. In September, the Senate passed its bill, providing \$657 million for NEI, an increase of 3.8 percent over FY2003. The bills were sent to a "Conference Committee", composed of members of the House and Senate LHHS Subcommittees, to reconcile differences. The conference process has been slow and difficult, due to the House bill's emphasis on education spending and the Senate bill's emphasis on health care spending, coupled with remaining contentious issues over overtime pay. Also, the larger Congressional debates on the supplemental defense appropriations bill for Iraq, Medicare reform, and a tax bill have generally delayed the conference process on most of the 11 appropriations bills. As a result, the government is operating on a series of Continuing Resolutions until these bills are passed, either individually or as one omnibus bill, in a process that could continue into 2004 and conclude just prior to the release of the President's 2005 budget request (similar to this past year's timing). The FY2005 budget is rumored to include a two to three percent increase for the NIH, with concomitant increases for individual Institutes.





## The NIH "Roadmap" Provides New Opportunities for Vision Research

The National Eye Institute (NEI) has joined the other 26 National Institutes of Health (NIH) Institutes and Centers in an ambitious series of new initiatives designed to accelerate medical discovery to improve health. The NIH will commit approximately \$128 million in FY2004, and more than \$2 billion over a six-year period, to catalyze changes that must be made to transform new scientific knowledge into tangible benefits for people.

The Roadmap was designed to build on the strengths of existing Institute and Center programs and of the entire science community. The Roadmap planning process identified areas of critical scientific challenge where national-scale resources will be needed to move cutting-edge science forward vigorously and rapidly. This effort will augment existing mechanisms of individual investigator-initiated research with the concept of interdisciplinary teams that can work on problems that currently are intractable due to large scale or cross-discipline complexity. Particular attention will be given to human resource needs, to train a next generation of scientists and clinician researchers of the future. The NEI and the vision research community are positioned very well to take advantage of these initiatives, often in collaboration with investigators in other fields. Three NIH Roadmap themes have emerged:

- 1) **New Pathways to Discovery**—building a better "toolbox" for medical research, including enhanced access to technologies, databases, and other scientific resources;
- 2) **Research Teams of the Future**—testing alternative models for conducting interdisciplinary research, and providing incentives for high risk research and for public-private partnerships; and,
- 3) **Re-engineering the Clinical Research Enterprise**—developing new partnerships of research with organized patient communities, community-based clinicians, and academic researchers; building better integrated networks for clinical research; and, developing technologies to improve the assessment of clinical outcomes, harmonizing regulatory processes,

and enhancing training and career development opportunities for clinical investigators.

Within each of these three themes, a number of new funding opportunities will be announced. At the time this article was written, the first seven Roadmap Requests for Applications (RFAs) had been published in the NIH Guide to Grants and Contracts. Descriptions of these funding opportunities and links to the full text of the initiatives are available under the Research Funding section of the NEI Web site, [www.nei.nih.gov](http://www.nei.nih.gov). Investigators should check this site periodically, since several additional RFAs are planned for release. As these RFAs are published, their links will be added to the NEI Roadmap information site. Much additional information is available at the central NIH Roadmap site, [www.nihroadmap.nih.gov](http://www.nihroadmap.nih.gov).



## NEI Releases New Strategic Plan

The NEI has published and released its **National Plan for Eye and Vision Research**, the first strategic plan produced through a new, two-phase planning process. This ongoing planning process involves the assessment of progress in important areas across eye and vision research and the development of new goals and objectives that address outstanding needs and opportunities for additional progress. A number of ARVO Trustees and members were active in this assessment and development phase. Workshops, conferences, or symposia in critical or emerging areas of science are conducted during the second phase of the planning process to explore how they might be applied to diseases of the eye and disorders of vision. The National Plan and information on planning workshops and conferences can be accessed through the NEI Web site at: [www.nei.nih.gov/strategicplanning](http://www.nei.nih.gov/strategicplanning).



## 2003 Advocacy Activities

Although the eye and vision community has consistently requested \$711 million in FY2004 for the NEI to bring it into parity with the doubling that occurred at the NIH overall and in many Institutes from FY1998–2003, the delay in the conference process has enabled NAEVR to redouble its advocacy activities, especially with conferees. On September 23, the Alliance for Eye and Vision Research (AEVR), NAEVR's educational foundation, conducted a briefing for Congressional staff on recent developments in LASIK and corneal healing. About 65 staff from 30 Congressional offices heard ARVO member **Peter J. McDonnell**, MD and Terrence O'Brien, both from the Wilmer Eye Institute, describe the benefits of wavefront-guided laser surgery, the research for which was conducted under NEI Small Business Innovation Research. Concurrently, members of the ARVO Public Policy Network joined their colleagues from the Association of University Professors of Ophthalmology Network in generating more than 100 letters to members of Congress about fully funding the NEI specifically, and increasing funding for the NIH, generally.

## Get Involved with ARVO Advocacy

NAEVR plans another "Lobby Day" on Friday, January 23, 2004, when the ARVO Program Committee is in Washington, DC, and will once again host the "Contact Congress" booth at the ARVO Annual Meeting in April 2004. James Jorkasky, the new NAEVR executive director, wants to ensure that all ARVO members are aware that advocacy opportunities exist all year long, not just at these selected events. "I am pleased to arrange for and host a Capitol Hill visit for ARVO members when they come to Washington, DC, or advise them on how to invite/host their elected representative at their facility. And I'd be happy to walk any member through the 'Write to Congress' module on [www.eyeresearch.org](http://www.eyeresearch.org). Congress needs to hear the eye and vision community's value message on a consistent basis, especially from those directly engaged in research." **Contact NAEVR's James Jorkasky at [jamesj@eyeresearch.org](mailto:jamesj@eyeresearch.org) or (240) 221-2905.**



Investigative Ophthalmology & Visual Science

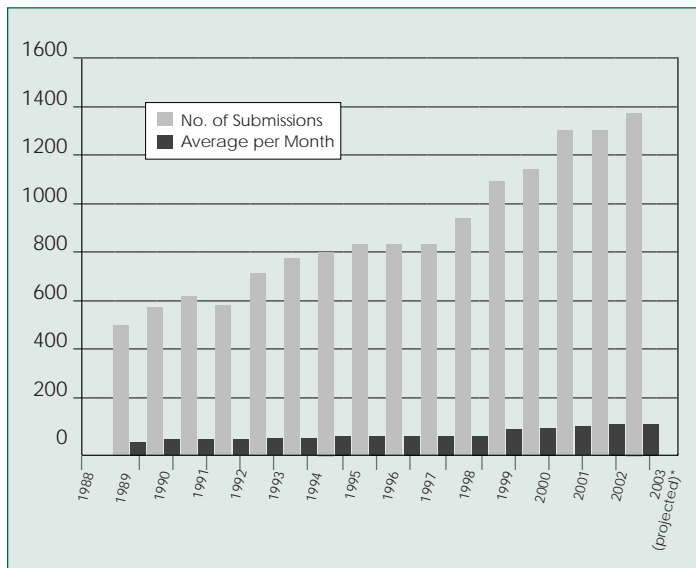
## Rolling Free Access Begins

As of October 24, 2003, *Investigative Ophthalmology & Vision Science (IOVS) Online* has joined many of the HighWire publishers in a 12-month rolling access program. Therefore, when an issue is released, the issue 12 months prior is no longer restricted by subscription. For instance, when the November 2003 *IOVS Online* was released, the November 2002 issue and all previous issues are free online.

## IOVS Submissions on the Increase

Manuscript submissions to *IOVS* are projected to increase by approximately six percent over 2002 submissions. With the exception of 2002, submissions to the journal have increased steadily since 1998. See chart below:

**IOVS Submissions History  
1988–2003**



## IOVSOnline to Increase User Options

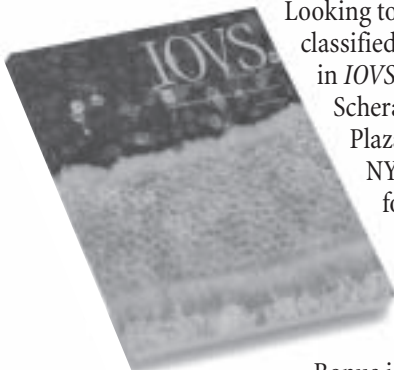
Through the HighWire portal, *IOVSOnline* has added several new functions to the Web site. Among those are:

- Single journal quick search functionality. This feature adds a basic Quick Search box to the home page so that readers can search directly from the box.
- Search by Any Word/All Words/Exact Phrase. Accessed by clicking on Search the Archives/For An Article, this addition allows additional specificity to be applied to title, abstract and full-text searching.
- Results sorting in Newest First of Best Match order. This option allows readers to decide how they would like their search results displayed, giving them more control over the results. This option is also accessed by clicking on Search the Archives/For An Article.

## IOVSOnline is adding the following new functions to the Web site by the end of 2003:

- Quick search with HighWire-hosted content. This adds the ability to search across all HighWire-hosted content from the Quick Search dialog box.
- Branded search results. This option displays the icons of the particular journal beside each citation.
- Free/Free to You/Purchase icons. This enhancement to the search results displays an icon, which indicates the status of the article. Free articles are those that are free to anyone; Free to You articles are determined by the reader's subscription status and Purchase icons are for those articles to which the reader does not have access but for which pay per view is available.

## Place an Ad in IOVS



Looking to place a classified, display classified or display advertisement in *IOVS*? *IOVS* is represented by Scherago International, 11 Penn Plaza, Suite 1003, New York, NY 10001. For film/electronic format specifications, contact Qien Porter, Scherago International at (212) 643-1750 X 33, or e-mail qienp@scherago.com.

Bonus issues are distributed at the ARVO Annual Meeting, American Academy of Ophthalmology Annual Meeting and Society for Neuroscience Annual Meeting.

**The ARVO Board of Trustees has accepted a proposal from the ARVO Publications Committee to continue self-publishing *IOVS* and *JOV*.** The Committee made this recommendation after conducting a three-month process, soliciting and reviewing proposals from major scientific publishers. In its decision, the Board commended the work of the Editors and editorial staffs of both publications. The consensus of the Committee and the Board was that the continuation of self publishing gives ARVO a stronger position to respond to the movement to electronic publishing and open access, and providing a broader venue for publication of the high volume of quality research submitted to both publications.



## “Open Access” Journals Where Does ARVO Stand?

With the advent of the Public Library of Science (PloS) initiative challenging the publishing world to provide open access to primary scientific literature, the Publications Committee recently reviewed where ARVO was positioned on the subject. There are two main issues: the economic model for production and publication cost recovery that controls the cost of accessing the literature, and the issue of barrier-free access through lifting of copyright of articles. The main target of the PloS has been commercial publishers of scientific journals which charge large institutional subscription rates, have financially controlled access to back issues, and hold the copyright to articles instead of allowing authors to hold the copyright. Societies, such as ARVO, that self-publish are caught in the cross-fire.

The two ARVO journals *IOVS* and *JOV* have a business model that relies upon membership dues allocations, institutional subscription revenue, and various author charges to support production costs for the online journals and for the print version of *IOVS*. *IOVS* also has reprint and advertising revenue, while *JOV* has income from contributions and publishing abstracts from relevant meetings. For comparison, the business model is fairly typical for associations that self-publish. Even PloS has income from print subscriptions, contributions, and author charges.

*JOV* is considered a free Open Access journal because anyone can access every article at any time without any charges for viewing

or printing an article. *IOVS* is an Open Access journal with all online articles one year out from the current publication month freely available to anyone. Articles within the one-year publication timeframe are subject to a fee for viewing or printing unless the user is an ARVO member or can access through an institutional subscriber's account.

ARVO does retain the copyright for the articles published in the journals but freely allows non-commercial use of the material with appropriate attribution. This provides the organization with an assurance that the copyrighted article has not been altered from its original published form. There is a move in the US Congress (Sabo Bill) to require that the article be in the public domain, if any of the work that led to the article was funded by the Federal Government. When in the public domain, articles could be changed, amended, sold or plagiarized without recourse to the authors or publishers. As currently written, the Sabo Bill provides no protection for the author or the publishing organization such as are provided under the current copyright laws.

The world of scientific journal publishing is changing rapidly and ARVO continues to position itself to make the results of research readily available to scientists and the public, while ensuring that funds are available to cover the associated costs.

Questions or comments on this topic should be addressed to the Publications Committee at [www.mem@arvo.org](mailto:www.mem@arvo.org).

## Special Issue – Call for Papers

### Perception of Color and Material Properties in Complex Scenes

Researchers have devoted much effort to understanding the perception of color and lightness for simple stimulus configurations, often consisting of flat matte surfaces rendered under diffuse illuminations (or simulations thereof). Recently, there has been considerable interest in pushing our understanding into the realm of more complex, three-dimensional scenes, spurred in part by advances in computer graphics that allow physically accurate rendering of a variety of materials and thus permit exploration of interactions between object shape and orientation, object material, and illumination geometry. The purpose of this special issue is to bring together papers that describe recent advances in this area. The following list provides representative topics, but papers in closely related areas will also be included.



Photo: Roland Fleming, 2003

- Color and lightness constancy in binocular, three-dimensional scenes
- Perception and identification of object material properties
- Exploitation of natural scene statistics in the recovery of surface reflectance
- Statistics of surface reflectance and illumination geometry in natural scenes
- Algorithms for recovery of material properties, including color, in 3D scenes
- Perception of illumination and transparency in 3D scenes

The *Journal of Vision* encourages the use of images, color, movies, hyperlinks and other digital enhancements. Authors should consult [journalofvision.org/info/instructions.pdf](http://journalofvision.org/info/instructions.pdf) for manuscript preparation instructions. All papers must be submitted online at [jov.manuscriptcentral.com](http://jov.manuscriptcentral.com). Please contact the *JOV* Editorial Office at [support@journalofvision.org](mailto:support@journalofvision.org) if you have any questions.

journal of VISION

### Guest Editors:

David Brainard

University of Pennsylvania  
[brainard@psych.upenn.edu](mailto:brainard@psych.upenn.edu)

Larry Maloney

New York University  
[laurence.maloney@nyu.edu](mailto:laurence.maloney@nyu.edu)

### Deadline for Submissions:

March 1, 2004

Target Publication Date:  
September 1, 2004



## New and Improved

The *Journal of Vision (JOV)* has added new features for browsing and searching which should significantly enhance the experience for visitors to the online journal at [www.journalofvision.org](http://www.journalofvision.org). See for yourself the new navigation bar located just beneath the *JOV* header. Users can now quickly access back issues with a click or two and can even select the view style of the table of contents. Users can choose between an icon view, text-only view or a combination of icons and text.

In addition, the primary navigational links at the top right of the header have been reorganized. Of particular note, all key information about the journal has been centralized into a single index page. Just click "Information" to find manuscript preparation instructions, journal contacts, forms and much more.

Also, check out the radically improved search engine by clicking the "Search" link in the header. Are you curious if you have been cited in *JOV*? Enter your last name and first initial in quotes (e.g., "williams, d") in the "Article References" field, then click the Search button. The format of the search results will vary depending upon the search criteria selected. Try "Author Affiliation" versus "Article Keywords."

Expect more improvements in the future. *JOV* welcomes your feedback and suggestions at [feedback@journalofvision.org](mailto:feedback@journalofvision.org).

## ISI Indexing

ISI accepted *JOV* for inclusion in Science Citation Index Expanded, ISI Alerting Services, and Current Contents/Clinical Medicine. Journal citations will be viewable through the Web of Science, and will be included in Journal Citation Reports. This milestone further establishes *JOV* as a key journal in vision science.

Already indexed by PubMed/MEDLINE, *JOV* authors will be visible in the world's most prominent scientific citation databases. And don't forget! Since *JOV* is open access, the full text is freely available to everyone, everywhere, forever.

## JOV Workshop

All interested 2004 Annual Meeting attendees are invited to this hands-on workshop for the *Journal of Vision (JOV)* on Tuesday, April 27. Editor-in-Chief Andrew Watson, PhD, will demonstrate the journal's numerous features and describe the submission and production processes. Authors will learn how to prepare their manuscripts for *JOV*. An interactive question-and-answer period with Dr. Watson will follow the presentation.

## Special Issues

Have you seen the current special issue on "Linking Eye Movements and Perception"? Are you curious about past and future special issues? Then see [journalofvision.org/SpecialIssues/](http://journalofvision.org/SpecialIssues/). Also, don't miss the recently published abstract issue available at [journalofvision.org/3/9/](http://journalofvision.org/3/9/).

Since *JOV* publishes articles as soon as they are ready instead of waiting for a standard monthly issue, you may be interested in signing up for the free e-mail alerting service. Simply click the "Subscribe" link on the journal site to be notified when each new article or issue is published. All you need is an e-mail address and an interest in what is new at *JOV*.

Thank you for supporting the *Journal of Vision!*

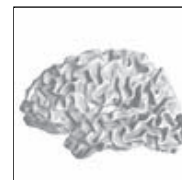


## Check out these articles recently published by the *Journal of Vision!*

Visual Field Representations and Locations of Visual Areas V1/2/3 in Human Visual Cortex

By Robert Dougherty, Volker Koch, Alyssa Brewer, Bernd Fischer, Jan Modersitzki and Brian Wandell

See [journalofvision.org/3/10/1/](http://journalofvision.org/3/10/1/)



Timecourse of Neural Signatures of Object Recognition

By Jeffrey Johnson and Bruno Olshausen

See [journalofvision.org/3/7/4/](http://journalofvision.org/3/7/4/)

If you are interested in serving on an ARVO committee...

# ARVO is interested in you.

ARVO Committees and Task Forces require the dedication and commitment of many volunteers. Join your peers and colleagues in serving the Association through Committee service. To be considered for Committee appointment, complete the form below and indicate the Committee(s) in which you have interest.

Name: \_\_\_\_\_

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ARVO member since: \_\_\_\_\_ ARVO Member # \_\_\_\_\_

Past ARVO activities: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please indicate the committee(s) in which you have interest. The form and committee descriptions are available on the ARVO Web site at [www.arvo.org/committees/committeehome.asp](http://www.arvo.org/committees/committeehome.asp):

- Advocacy
- Animals in Research
- Commercial Relationships
- Diversity Issues
- Ethics and Regulation in Human Research
- Exhibits
- International Members
- Long Range Planning
- Members-in-Training
- Professional Development & Education
- Public Relations
- Publications

***Return to:***

**Robert Rupp**

*ARVO Governance Manager*

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Rockville, MD 20852

**Phone: (240) 221-2912**

**Fax: (240) 221-0370**

**E-mail: [rrupp@arvo.org](mailto:rrupp@arvo.org)**



# Grants

## Research Grant Awards Available



FIGHT FOR SIGHT

Fight for Sight, Inc. (FSS) awards grants to scientists and physicians conducting research into the basic causes and mechanisms of blinding eye diseases with the object of finding methods of prevention and treatment.

The program is administered in cooperation with ARVO, which is responsible for the scientific review of applications. Additionally, the ARVO/Alcon, ARVO/Novartis Ophthalmics, and the Postdoctoral Research Fellowships are also selected from this review.

### Applications for 2004–2005 awards are now available:

- Grants-in-aid support pilot projects of young investigators to defray the costs of lab personnel (excluding applicant), equipment and consumable supplies needed for the specific research investigation. Applications from residents, postdoctoral fellows, or senior investigators who have other significant research support are not considered. Fifteen to 20 grants are awarded annually, each with a maximum of \$12,000 per year.
- Postdoctoral fellowships provide one year of support to individuals pursuing independent basic or clinical research in ophthalmology, vision or related sciences. Applicants must hold a doctoral degree by the date of the award. Residents and individuals with more than two years of postdoctoral training are not considered. Fifteen to 20 fellowships are awarded annually with a maximum of \$16,000 each.
- Student fellowships provide up to three months (summer) support for students interested in eye-related clinical or basic research. Fellowships are available to undergraduate, graduate, and medical students in the US and Canada. Fifteen to 20 fellowships are awarded annually, each with a maximum of \$700 per month for up to three months (\$2,100 total).
- Students and postdoctoral fellows are permitted to supplement their stipends with institutional funds. However, any anticipated supplemental support must be disclosed on the application. Total combined FFS and institutional support may not exceed the appropriate stipend level for National Research Service Award trainees set annually by the National Institutes of Health.
- Applications for these awards can be obtained by writing Fight for Sight, Inc., 381 Park Avenue South, Suite 809, New York, NY 10016 or by calling (212) 679-6060.  
**Deadline for receipt of applications is March 5, 2004.**

## Seeking Applicants for 2004 Travel Awards

The Tear Film & Ocular Surface Society (TFOS) seeks applicants for the annual TFOS Travel Awards. These awards provide partial travel support to the ARVO Annual Meeting for at least four postdoctoral fellows, graduate students or young investigators (35 years or younger) whose ARVO 2004 abstract in which they appear as first author demonstrates significant scientific achievement in the field of tear film, ocular surface or Sjogren's syndrome research. Each award is \$750.00 and will be accompanied by a free ticket to the TFOS Cruise & Dinner on the evening of Monday, April 26th in Fort Lauderdale. To apply, please e-mail **your accepted ARVO abstract plus one PDF, TIFF, JPEG or PowerPoint figure** to Lydia Briscoe at lsb2y@virginia.edu before March 29th, 2004. The figure should demonstrate evidence of the abstract's most important finding, and will be held in strict confidence by the awards committee. Awardees will be notified by April 19th and will be announced during the TFOS Cruise & Dinner. 2004 ARVO travel grant award winners are not eligible. For more information about these awards or the cruise, please contact Amy Sullivan at amy@tearfilm.org.



## ARVO 2003-2004 Research Fellowship Grants

The ARVO Research Fellowship Grant Program established in 1987 with one Alcon Laboratories grant, continues to be generously supported by Alcon, Novartis Ophthalmics, and the Japan National Society for the Prevention of Blindness. Recipients are selected from candidates who apply for the Fight for Sight Awards, for which ARVO conducts the scientific review.

### We are pleased to announce the recipients of the 2003–2004 Grants:



Ying Li, MD



Julia Song, MD



Alexander Yatsenko, MD

**Ying Li, MD**, ARVO/Japan National Society for the Prevention of Blindness Fellowship, **Julia Song, MD**, ARVO/Alcon Laboratories Research Fellowship, and **Alexander N. Yatsenko, MD**, PhD, ARVO/Novartis Ophthalmics Research Fellowship.

# and Awards

## 2005 ARVO Annual Awards Call for Nominations Nomination Deadline: March 2, 2004

Members of the vision community are invited to nominate their esteemed colleagues for the prestigious ARVO Awards to be presented at the ARVO Annual Meeting, May 1-5, 2005.

### Proctor Medal

- Outstanding research in the basic or clinical sciences as applied to ophthalmology

### Friedenwald Award

- Outstanding research in the basic or clinical sciences as applied to ophthalmology

### Mildred Weisenfeld Award for Excellence in Ophthalmology

- Distinguished scholarly contributions to the clinical practice of ophthalmology

### Cogan Award

- Contributions to research in ophthalmology or visual sciences directly related to disorders of the human eye or visual system, by a promising individual researcher under 40 years of age

### Kupfer Award

- Distinguished public service on behalf of eye and vision research

### Special Recognition Award

- Outstanding service to ARVO and/or the vision research community

For complete nomination information, please visit our Web site at [www.arvo.org/AwardsFunding/awardnom.asp](http://www.arvo.org/AwardsFunding/awardnom.asp) or contact Barbara Hollis at [bhollis@arvo.org](mailto:bhollis@arvo.org) or (240) 221-2940.

## Prevent Blindness America Announces a New Opportunity for Researchers:



### Prevent Blindness America Investigator Award

The Prevent Blindness America Investigator Award provides funding for clinically-based research investigating public health issues related to the burden of illness of eye-related health and safety topics. All research grants must focus on preserving sight and preventing blindness.

Researchers will be chosen based on their level of qualifications relating to the eye health field and the quality and feasibility of the proposed research project. Researchers must demonstrate a high level of academic achievement, the urgency of the research agenda and show an immediate human benefit. Research pertaining to prevalence, early detection strategies and outcomes and prevention will take priority.

### Awards:

Grants will be awarded for \$25,000 to \$50,000 each for a one-year period. Grants are only available to United States citizens. Up to a total of \$100,000 will be granted annually. The number of awards depends on the dollar amount of the grants awarded. Grant recipients will be required to submit quarterly progress reports. The Association for Research in Vision and Ophthalmology will provide the scientific review of grant applications.

### Deadline:

All grant applications must be submitted by March 1, 2004.

### Application Process:

All applications can be received by sending either a written, e-mailed or faxed request to:

**PREVENT BLINDNESS AMERICA**  
Carla Helton, Director, Program Services  
500 East Remington Road, Schaumburg, IL 60173  
(847) 843-2020 • Fax: 847-843-8458  
E-mail: [chelton@preventblindness.org](mailto:chelton@preventblindness.org)

Applications are also available on the Web at [www.preventblindness.org](http://www.preventblindness.org)

# New Initiatives

## Research Administrators Outreach Initiative to Launch at 2004 Annual Meeting

A new initiative is under way to provide a forum for research administrators, offering opportunities for communication, networking with peers, researchers and industry, sharing of best practices, and education, with the goal of improving the administration of eye and vision-related research grants. The primary participants targeted by this initiative are research administrators from schools, labs, institutes, and societies. Other potential participants include grant financial managers, grant writers, project and clinical trial administrators.

The first event under this initiative will be a luncheon workshop at the ARVO Annual Meeting, Tuesday, April 27, 2004. The topics will be the Health Insurance Portability and Accountability Act and electronic research administration. General invitations to this event have been sent to department chairs, asking that representatives from the institutions be named for future contact. Individuals interested in this program may also contact ARVO directly if they wish at [rpp@arvo.org](mailto:rpp@arvo.org).

Potential topics for future programming include integrating clinical and research staff, running a clinical trial, and broadening the scope of staff involvement in clinical trials. The initiative is being co-chaired by **Tracy D. Perkins, MPH**, research administrator at the University of Wisconsin and Will Darby, grants management at the National Eye Institute.

## Increased Focus on Low Vision Research

A task force of ARVO members with research interests in the area of low vision have convened with the hopes of increasing the profile of low vision research within ARVO and the program of the Annual Meeting.

As the task force attempts to define the term "low vision" and identify the most appropriate venue for researchers in this area, several immediate initiatives are anticipated. The task force is exploring the possibility of organizing a Special Interest Group (SIG) or other program component highlighting low vision research during ARVO 2004. This SIG could lay the basis for a symposium proposal for 2005, preferably as a cooperative Clinical/Epidemiologic Research (CL) and Visual Psychophysics/Physiological Optics (VI) Sections effort. The Task Force will also approach the CL and VI program committee members with a request to schedule low vision-related papers and posters in the later rather than earlier sessions. Similarly, a request will be made to the Vision Sciences Society (VSS) program committee to schedule low vision-related presentations early in VSS, allowing those with an interest in this area to attend the ARVO and VSS sessions of most interest to them without spending 10 consecutive days at the two meetings.

**THE SITE for Science**  
More than 5000 paper and poster presentations showcasing innovative science and potentially sight-saving research and more than 50 hours of CME available.

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Special events and presentations throughout the week, including a keynote address, awards ceremonies, outstanding lectures, and various social events.

**THE SITE**  
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**2004**  
**APRIL 25-29**  
**FOR SIGHT**  
Fort Lauderdale, Florida

Visit [www.arvo.org](http://www.arvo.org) for program, registration, and housing information

All photos: Joanna Matthews



# Cora Verhagen Prize

The Cora Verhagen Prize is awarded for the best ocular immunology poster or paper presentation at the ARVO Annual Meeting. The Cora Verhagen Prize was instituted in 1995 to honor the memory and scientific contributions of our colleague Cora Verhagen. An international jury committee consisting of six active ARVO members has been appointed to select the Prize Winners.

Two prizes will be awarded. The first prize winner will receive an award of \$250 and a plaque with an inscription of his or her name along with those of previous awardees. This plaque may be temporarily mounted in the institute in the year following the presentation at ARVO. The winner will also receive a bronze medallion. Both the medallion and the plaque contain the image of Winged Victory. The money and the plaque for the 2004 Cora Verhagen Prize will be awarded at the 2005 ARVO Annual Meeting. The second place winner will receive an award of \$100.

1. Eligible candidates for the prize should conform to the following criteria: Candidates must be a student or postdoctoral fellow considered as a trainee in ocular immunology working under the guidance of a mentor. Such trainees may have independent support for salaries, but do not hold a personal grant to support the cost of their research. Excluded are individuals with permanent faculty appointments at universities, research institutes, or employees of companies.
2. Candidate must be the first author of a poster or paper presentation at the 2004 ARVO Annual Meeting dealing with a subject in the field of ocular immunology.

Call for Applications deadline is **March 8, 2004**. Please send all Application Forms to:

**Dr. Martine Jager**  
*Department of Ophthalmology*  
LUMC-J3  
PO Box 9600  
2300 RC Leiden  
The Netherlands  
Fax: 31-71-5248222  
E-mail: M.J.Jager@lumc.nl

Do *not* send Application Forms to the ARVO Office.

## Application Form

I would like to compete for the **2004 Cora Verhagen Prize** to be awarded for the best "ocular immunology" presentation by a trainee.

Name: \_\_\_\_\_

Abstract Title: \_\_\_\_\_

Mentor Name: \_\_\_\_\_

### Mentor Statement:

I hereby state that the above named applicant fulfills the "trainee" criteria for the **Cora Verhagen Prize**.

Mentor Name: \_\_\_\_\_

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# Special Announcements

## Brain Awareness Week

March 15 – 21, 2004

Brain Awareness Week provides opportunities and resources to share with the world the importance of vision research as a component of the operation of this magnificent structure.

During the ninth annual celebration of Brain Awareness Week, March 15 – 21, 2004, organizations and institutions throughout the world will provide the public with a sense of the excitement of brain science through special events and educational activities. Leading universities and research centers will open their doors to the public, and brain researchers will venture beyond their laboratories to convey the wonders of the brain and nervous

system to eager audiences. Through creative and compelling programs, patient-

advocacy groups, government agencies, service organizations, hospitals, and K-12 schools will spread the word about the importance of brain research and its critical role in helping people lead healthier and more productive lives.



For more information, visit [www.dana.org/brainweek](http://www.dana.org/brainweek).

## Visión Saludable

A NEW Spanish-language general eye health brochure, *Visión Saludable* (Healthy Vision), is now available on the NEI Web site: [www.nei.nih.gov/health/espanol/saludable.htm](http://www.nei.nih.gov/health/espanol/saludable.htm).

This brochure provides a wide array of information on eye health including diabetic eye disease, glaucoma, cataracts, age-related macular degeneration, comprehensive eye exams, common vision problems, eye myths and facts, tips for talking to your doctor, a glossary, and a list of resources.

Print versions of brochure will be available soon.



## Publications

### Member Discounts on Vision-related Journals

ARVO members receive discounted subscriptions on several journals. Some restrictions apply and not all classes of membership may be eligible. All subscription orders must be placed directly with each journal, not through the ARVO office. Contact information and rates are available on the ARVO Web site under "Publications – Discount Journals".

The following journals are currently participating:

- *American Orthoptic*
- *Binocular Vision & Strabismus Surgery Quarterly*
- *Current Eye Research*
- *European Journal of Ophthalmology*
- *Graefes Archive*
- *Neuro-ophthalmology*
- *Ocular Immunology*
- *Ophthalmic Epidemiology*
- *Ophthalmic Genetics*
- *Ophthalmic Research*
- *Ophthalmologica*
- *Orbit*
- *Perception*
- *Strabismus*
- *Vision Research*
- *Visual Neuroscience*

If there are additional journals you would be interested in receiving at a discount, please forward the names of the publications to [mem@arvo.org](mailto:mem@arvo.org), and we will contact the publishers about participating in this member benefit program.