

ASP Election Results



President-Elect

Steve Ullrich

Secretary

Faith Strickland

Council Members

Harry Frank
Miguel Miranda
Mike Davies
Linda Jones

*Steve Ullrich, ASP
President-elect.*

Message from the President

Thank you for the opportunity to serve as ASP President. It has been a privilege and an excellent experience to work with such great colleagues and a very supportive Secretariat. While there is no doubt the ASP faces significant challenges, as do all scientific societies in the current environment, our society has the talent and expertise to flourish. It all depends on you, the members. Photobiology is an exciting and very relevant area of investigation - particularly with current global health and environmental challenges and advances in technology. I would urge you to support our journal and to publish your papers in *Photochemistry and Photobiology*. Be pro-active – the Council needs input from members. Email us with your suggestions or problems and you will be heard.



*The Westin hotel in San Juan, Puerto Rico,
site of the ASP meeting in July 2006.*

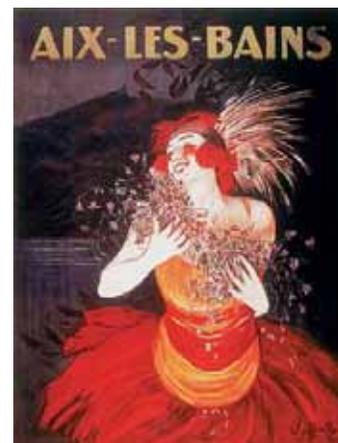
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Finally, we look forward to seeing you all in Puerto Rico in July 2006. We are planning an exciting program in a beautiful location. At this meeting we are planning more sessions with submitted abstracts and look forward especially to more submissions from our members. All the very best to our incoming President **Lisa Kelly**, to the new Secretary and Council members and many thanks to our outgoing Council members. Thanks also to our outgoing Secretary **Laine Hill** who has done a superlative job for the last 6 years.

Frances Noonan
ASP President

*Aix-les-Bains, site of the
2005 ESP meeting (Sept
3-8). Visit the ESP web
site, <[www.esp-
photobiology.it/](http://www.esp-photobiology.it/)>, for
registration and other
information.*



Urbach Travel Award Winners

The ASP is pleased to announce the winners of the **Frederick Urbach Memorial Travel Award**. This award supports the travel of Associate Members to the *11th Congress of the European Society for Photobiology* (Sept 3-8, 2005, Aix-les-Bains, France).

Oleg E. Akilov

Wellman Center for Photomedicine, Dept of Dermatology, Massachusetts General Hospital, Boston MA
Mentor: Tayyaba Hasan
Photodynamic Killing of *Leishmania major* with cationic dyes

Cara Benjamin

Department of Immunology, The University of Texas, MD Anderson Cancer Center, Houston, TX
Mentor: H. N. Ananthaswamy
Oncogenic Potential of Melanoma Associated Mutant Braf

Divya Errabelli

Wellman Center for Photomedicine, Dept of Dermatology, Massachusetts General Hospital, Boston, MA
Mentor: Tayyaba Hasan
Intracellular Trafficking of a Photosensitizer Immunoconjugate using Quantum Dots: A Technique for selective Photodynamic Therapy

Katie Latulippe

Department of Chemistry and Chemical Engineering, The Royal Military College of Canada, Kingston, Ontario
Mentor: Roy Pottier
Enhanced selectivity of tri-component pro-drugs: Enzyme Specificity

Ken Kang-Hsin Wang

Department of Physics, University of Rochester, Rochester, NY
Mentor: T. H. Foster
Complete Model of Oxygen Transport in Photodynamic Therapy: A simulation of Oxygen Dynamics in vivo

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Letter From the Editor

When you visit the ASP web site, what web browser do you use? What is your operating system? What day of week and time of day do you visit?

For more than a year, I have collected these statistics and posted them quarterly on the ASP web site, < www.pol-us.net/ASP_Home/stats.html >. These data help me to make sure that everyone can read our web pages. In the past three months, the typical visitor views the web site on Monday at midday and uses Windows XP with Internet Explorer 6.0.

Web site statistics will become increasingly important as the ASP moves toward more reliance on the internet. Next year's election ballots will be distributed electronically. All NIH-funded research published in *Photochem Photobiol* will be freely available at PubMed Central. A web site for associate members is under development. A "Photobiology for Kids" section recently debuted on our web site.

But there are limitations in simply counting the number of "hits". The number of "hits" does not tell whether a visitor actually reads the pages that he or she visits. In addition, if visitors are behind a proxy server, the true number of visits is obscured. These problems are compounded when calculating downloads of PDF reprints from the *Photochem Photobiol* web site. PDFs can be distributed by e-mail, peer-to-peer networks, or from an author's web site and these are not easily measured. There are solutions, but the solutions can be difficult and expensive.

This means that I will continue to rely upon direct feedback ASP members on the newsletter and web site. I look forward to making improvements that increase the value of your membership in the ASP.

ASP News

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Editor

Peter A. Ensminger, Ph.D.
256 Greenwood Place
Syracuse, NY 13210
Tel: 315-478-6024

E-mail: ensmingr@twcny.rr.com

Layout

Tracy A. Newman
E-mail: tnewman@everestkc.net

(Continued from page 2)

Jeremy Wilson

Department of Physics, University of Rochester,
Rochester, NY
Mentor: T. H. Foster
PDT-induced changes in angularly resolved light scattering from intact cells as a reporter of mitochondrial and lysosomal morphology

Angieszka Wolnicka-Glubisz

Department of Environmental and Occupational Health, School of Public Health and Health Services, The George Washington University, Washington, DC
Mentor: Frances Noonan
Deficient inflammatory response in neonatal mouse skin may contribute to the susceptibility of HGF/SF transgenic mice to UV-induced melanoma

Research by ASP members

Function of LOV Domains in Adiantum

Phytochrome-3

Phytochrome-3 (phy-3) is a unique photoreceptor in the fern *Adiantum*. *Adiantum* Phy-3 has the chromophore-binding domain of phytochrome (a red/far-red photoreceptor in angiosperms) at its N-terminus and a full-length phototropin (a blue light photoreceptor in angiosperms) at its C-terminus. The phototropin domain has two regions, LOV1 and LOV2, that each bind to a flavin. In a recent issue of *Biochemistry*, ASP member **Satoru Tokutomi** (University of Osaka) and colleagues report on their studies of the LOV1 and LOV2 domains of *Adiantum* phy-3. Their results suggest that the LOV1 domain of *Adiantum* phy-3 does not function as a light sensor. Interestingly, previous studies show that the LOV1 domain of angiosperm phototropin also does not function as a light sensor.

Retinoids for Sun Damaged Skin

Topical retinoids are vitamin-A derivatives used to treat numerous skin conditions, such as acne, psoriasis, and photoaging. In a recent issue of *Cutis*, ASP member **Sewon Kang** (University of Michigan Medical Center) reviews the mechanisms of action of topical retinoids. These drugs bind to retinoic acid receptors (RARs) and retinoid X receptors (RXRs), ligand-dependent transcription factors. Binding of retinoids to these receptors leads to reduction in inflammation and increases in the levels of type-I and type-III collagen.

Public Knowledge of Non-Melanoma Skin Cancers

The incidence of non-melanoma skin cancers (NMSC) has increased significantly in recent years. In the recent issue of the *International Journal of Dermatology*, ASP member **Alan C. Halpern** (Memorial Sloan Kettering Cancer Center) and **Laura J. Kopp** report their survey of the general public from numerous countries to assess the level of understanding of NMSC and of preventative measures. They found that awareness and prevention behaviors varied significantly among different countries. People from countries with a high incidence of NSMC (Australia and the United States) had significantly more awareness of NMSC and of preventative measures. They urge the development of public health campaigns that employ "population-specific documentation of skin cancer knowledge and prevention behaviors".

(reprinted with modification from the ASP web site)

New Policy for *Photochem Photobiol*

The NIH recently requested that "NIH-funded investigators submit an electronic version of the author's final manuscripts resulting from research supported, in whole or in part, with direct costs from NIH, after all changes resulting from the peer review publication process have been incorporated." Further details are available from the NIH web site: grants.nih.gov/grants/guide/notice-files/NOT-OD-05-022.html.

The American Society for Photobiology (ASP), as copyright holder of *Photochemistry and Photobiology*, grants permission to all authors to deposit their accepted manuscripts in PubMed Central, www.pubmedcentral.nih.gov/, for the sole purpose of compliance with the NIH request.

The ASP will allow authors to transmit their manuscripts to NIH for release free to the public anytime after the day they are published online as "Current ASAP Papers". We require that the same exact version of the manuscript be deposited in PubMed Central as was accepted for publication.

If it becomes allowed, the ASP may offer to automatically transmit those papers identified as

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being supported by NIH directly to NIH as a service to authors. However, it is not yet clear if NIH will permit automated third party submissions. As this and other issues relating to the PubMed Central Repository evolve, we will do our best to continue to serve our authors.

Message to Associate Members



The ASP Mentoring Lunch at the 2004 ASP meeting in Seattle.

Today's associate members are tomorrow's members, collaborators and leaders. It is therefore important for ASP members to support associate members in their early years with the society. The ASP encourages active participation of associate members in all society functions such as contribution to online discussions and presentation of posters and talks at ASP meetings. Since the ASP meeting is now held every other year, it is even more vital that we help to promote activities that are important to the professional development of our associate members.

Currently, the ASP offers travel awards to associate members to help defray the costs of travel to ASP and ESP meetings. The winners of the **Urbach Travel Award** are announced elsewhere in this issue of the newsletter. The ASP also continues to promote mentoring relationships between associate members and members, through projects such as the "ASP Mentoring Lunch", held at ASP meetings.

The ASP is in the process of developing an associate member section of the ASP web site, to further promote participation of associate member interactions within the society. These new web pages will specifically address the needs and interests of our associate members. This site is geared toward

fostering lasting academic bonds for those who wish to participate in the program. Some of the new features will include:

- **Mentoring Section**, containing associate Member and Member profiles as well as information about the "Mentoring Lunch".
- **Positions Available Section**, containing up-to-date post-doctoral and career listings IN photochemistry and photobiology.
- **Archivable Discussion Forum**, to discuss topics such as writing and presenting posters, presentations, scientific publications and dissertations, searching for positions, and tips for job interviews.

Other Information, such as how to apply for external travel funding and how to run for the position of ASP Associate Council Member.

Of course, your suggestions for additional topics are highly encouraged. The benefits of being an associate member will increase as your participation in the ASP increases. For a more fulfilling experience I suggest that you:

- **Read the newsletter.**
- **Visit the web sites of the ASP** [www.photobiology.org] and ESP [www.esp-photobiology.it/].
- **Read and submit your papers to the ASP journal, *Photochem Photobiol.***
- **Tell colleagues, visiting scientists, and collaborators about ASP.**
- **Participate in online discussions and suggest what you would like to see from the society.**

As always, I look forward to hearing from you. You can contact me at: <jdashnau@mail.med.upenn.edu>

Jennifer Dashnau
Associate Member Representative



ASP Homepage

Usage Statistics

Visits to the ASP homepage, www.photobiology.org, are being monitored by bravenet.com. A "page view" (or "hit") is recorded every time there is a visit to the homepage. A "unique visit" is recorded every time a visitor has not viewed the homepage in the previous 24 hours. Visits by the webmaster (PAE) were excluded from all statistics.

Counter Dates: Feb 19, 2005-May 30, 2005 (91 days; counter was inoperable for 10 days).

Total page views: 2,367 (avg of 26.0 per day)

- Avg of 33.3 on each weekday
- Avg of 9.64 on each weekend day

Total unique visits: 1,747 (avg of 19.2 per day)

- Avg of 24.6 on each weekday
- Avg of 7.11 on each weekend day



Aix-les-Bains, site of the 2005 ESP Meeting (Sept 3-8).

Chris Foote, RIP



It is with sadness that we inform our colleagues that **Chris Foote**, Professor of Chemistry at UCLA and former President of ASP (1988-89) has passed away. He made enormous contributions to the ASP and to the field of photochemistry and, indirectly to PDT, particularly through his work on singlet oxygen. He was a warm, friendly and helpful individual and an outstanding scientist. We extend our sympathy to his family, colleagues and friends. A full obituary will be included in the next issue of the newsletter.

An obituary of Chris Foote is available from the UCLA Chemistry Department: www.chem.ucla.edu/news/C_S_Foote_obituary.htm



Upcoming Events

July 2-6, 2005

16th International Symposium on the Photochemistry and Photophysics of Coordination Compounds (ISPPCC)
Asilomar Conference Center
Pacific Grove, CA
Contact: Patrick Hoggard
E-mail: phoggard@scu.edu

July 3-8, 2005

Gordon Conference on Photosynthesis
Bryant College
Smithfield, RI
Contact: Sabeeha Merchant
E-mail: merchant@chem.ucla.edu
Web site: www.grc.uri.edu/programs/2005/photosyn.htm

July 3-8, 2005

Gordon Conference on Free Radical Reactions
Holderness School
Plymouth, NH
Web site: www.grc.org/programs/2005/freerad.htm

July 8-11, 2005

Summer Meeting of the Society of Free Radical Research (Europe)
De Vere Belfry Hotel
Leicester, England, UK
Contact: Joseph Lunec, Chief Organizer
E-mail: jl20@leicester.ac.uk
Web site: www.sfrr-europe.org/

July 10-15, 2005

Gordon Conference on Photochemistry
Bryant College
Smithfield, RI
Web site: www.grc.uri.edu/programs/2005/photochem.htm

July 10-15, 2005; July 24-29, 2005

Protein Purification: Isolation, Analysis, and Characterization of GFP
Cook College, Rutgers University
New Brunswick, NJ
Contact: William W. Ward
Tel: 732-932-9562 ext 216 or 2120
E-mail: crebb@rci.rutgers.edu
Web site: www.rci.rutgers.edu/~meton/protein.html

July 16-20, 2005

Plant Biology 2005
ASPB's Annual Meeting
Washington State Convention &

Trade Center
Seattle, Washington
Web site: www.aspb.org/meetings/pb-2005/index.cfm

July 17-22, 2005

14th International Symposium on Carotenoids
Edinburgh International Conference Centre
Edinburgh, Scotland, UK
Web site: www.carotenoidsociety.org

July 24-29, 2005

12th International Conference on Photochemistry
Cairns, Australia
Contact: ICP 2005 Conference Secretariat
Phone: +61 3 9682 0244
Fax: +61 3 9682 0288
E-mail: icp2005@icms.com.au

August 27 - September 1, 2005

2005 IUPB and EBSA Joint Meeting
Montpellier, France
Web site: www.iupab.org/

September 3-8, 2005

11th European Society for Photobiology Congress
The Casino Grand Cercle
Aix-les-Bains, FR
Web site: www.esp-photobiology.it

September 6-10, 2005

6th World Congress on Melanoma
Vancouver Convention and Exhibition Center
Vancouver, Canada
Web site: www.worldmelanoma.com

September 18-22, 2005

XIXth International Pigment Cell Conference
Hyatt Regency Reston
Reston, VA
Web site: www.palladianpartners.com/IPCC05/

September 19-29, 2005

NATO Advanced Study Institute Photon-Based Nanoscience & Technology
Auberge Estrimont, Orford, QC, Canada
Contact: Dr. Stoyan Tanev
NATO ASI Scientific Secretary
Tel: (613) 254-9880 ext. 228
Fax: (613) 254-9881

E-mail: Stoyan.Tanev@vitesse.ca
Web site: www.vitesse.ca

October 31 - November 3, 2005

24th International Congress on Applications of Lasers and Electro-Optics
Hyatt Regency, Miami
Miami, FL
Web site: www.icaleo.org

November 10-12, 2005

Laser Florence 2005
Florence, Italy
Web site: www.laserflorence.org/

January 21-26, 2006

BIOS 2006 (Photonics West)
E-mail: spie@spie.org
Web site: spie.org/app/conferences/index.cfm

April 2-7, 2006

21st IUPAC Symposium of Photochemistry
Kyoto, Japan
Contact: Masahiro Irie
Department of Chemistry and Biochemistry
Kyushu University
Graduate School of Engineering
Hakozaki 6-10-1
Fukuoka, Japan
Tel.: +81 92 642 3556
Fax: +81 92 642 3568
E-mail: irie@cstf.kyushu-u.ac.jp
Web site: www.pac.ne.jp/photoiupac2006

July 8-12, 2006

33rd ASP Meeting
San Juan, Puerto Rico

July 23-27, 2007

Photosynthesis 2007
Society for Experimental Biology
Glasgow, Scotland
Web site: www.sebiology.org/Meetings/pageview.asp?S=2&mid=84