

Message From the President



I trust all of you have had a very pleasant and joyous holiday season with your loved ones. In this time of political turbulence and economic challenge, family and friends provide us with the grounding that we all need in continuing to perform our professional activities.

Your Council had a very productive winter meeting on January 18 in Orlando, Florida. This site was chosen, as it was last year, for its ease of transportation, moderate climate for winter flights, and its convenient airport hotel, located right in the airport terminal building. **Dan Yarosh**, our Treasurer, presented the financial report. Thanks to his stewardship, the Society's financial position is sound. To maintain this position, we must continue to be proactive in expanding our revenue base (membership, journal subscriptions, attendance at annual meetings, etc.), and also be judicious with our spending. **Tito Scaiano** and **John Simon** discussed their on-going efforts to coordinate a smooth transition of the Editorial Office of our Journal from Ottawa to Durham, North Carolina. An ad-hoc task force, chaired by **Tom Moore**, was appointed to evaluate the improvement to our web site. As called for by our Bylaws, **John Spudich**, our immediate Past President, presented the candidates for President Elect, and Tom Moore, our President Elect, presented a slate of candidates for election to the Council. Information about the Presidential candidates is shown in this issue of the newsletter and information about the Council candidates will be forthcoming. In addition, John Spudich, as chair of the Scientific Program Committee of the 2003 annual meeting, presented the outline of the meeting. John promised that the meeting is going to be a superb one!

The ASP will remain strong only with the active participation of our members. An opportunity for all of us to be involved is through the general election process. It is therefore my hope that all of you will join me and the other ASP officers in casting your votes for the President Elect, and the new Council members.

Hope to see you in Baltimore in July.

- **Henry W. Lim**, ASP President

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January Council Meeting

The Minutes of the 87th ASP Council meeting (January 18, 2003) will soon be available at the "Meetings" link on the ASP web site, www.photobiology.org.

31st ASP Annual Meeting

A preliminary schedule of symposia and contributed paper sessions for the 31st Annual ASP meeting is shown on page 3 of this newsletter. In addition to the attractions of the meeting site, described in the previous issue of *ASP News*, the ASP Secretariat is arranging a terrific banquet at the famous National Aquarium just across the harbor plaza from the Hyatt Regency. Attendance at the banquet includes evening admission to the Aquarium. The Aquarium's magical ambiance for the banquet, with more than 14,000 fascinating and colorful animals, engaging exhibits, award-winning architecture, and spectacular harbor view, should make the ASP 2003 banquet unique and memorable.

As you can see, the Chairs and Co-chairs are organizing 24 stimulating symposia covering a diverse range of topics. Also the Scientific Program Committee, listed in the previous issue of *ASP News*, will be putting together four sessions with speakers chosen from attendees' abstracts. Registration and abstract submission for the meeting is available by clicking on the "Online registration" link at www.photobiology.org and then clicking on the "Meetings" link. Note that the non-member registration fee includes an automatic ASP membership for the coming year.

See you at the Inner Harbor!

- **John Spudich**, ASP Past President

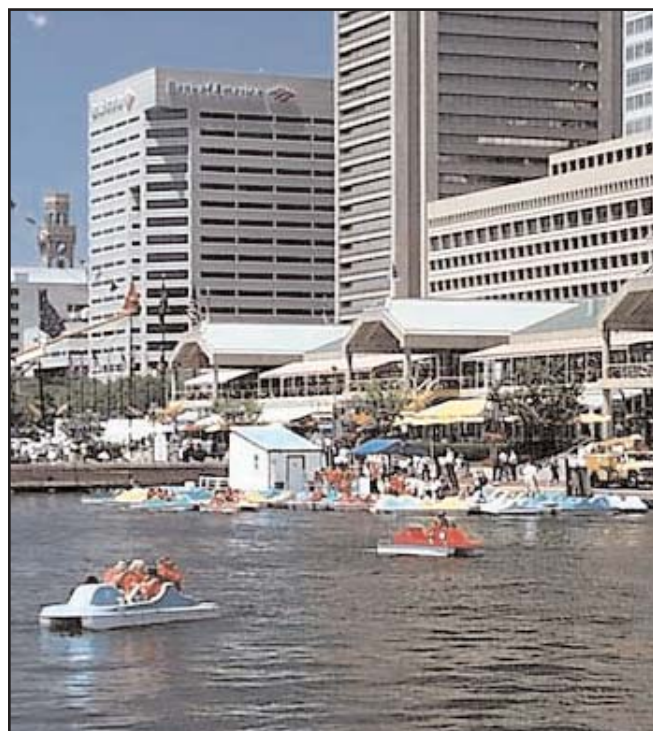
Letter from the Editor

I hope you are all looking forward to our Annual Meeting at the Inner Harbor Hyatt in Baltimore, which runs from July 5 to 9. You can submit your abstracts according to instructions given in guidelines found at the "Abstracts" link near the top of the ASP home page (www.photobiology.org). Abstracts are due by April 15; submissions between April 16 and June 15 by registered delegates will be presented in the "Post-submission deadline" poster session.



The Baltimore Inner Harbor, with a circle around the Hyatt Regency, site of the 31st ASP Annual Meeting (map courtesy of www.baltimore.to).

In addition to the outstanding scientific program, John Spudich and the ASP Secretariat have planned a spectacular aquarium dinner for our banquet on July 9. Finally, if you need to slake your thirst after a long day of photobiology, I suggest a visit to the nearby Baltimore Brewing Company (104 Albermarle Street, www.degroens.com), maker of DeGroen's beers. They are very well known for their award-winning German-style lagers as well as their eclectic cuisine. For additional places to dine in Baltimore's Inner Harbor, see: www.baltimore.to/Guide/steamed_crabs.html.



The Pratt Pavilion, at Baltimore's Inner Harbor
(photo courtesy of www.baltimore.to)

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ASP 31st ANNUAL MEETING

Baltimore, MD
July 5 - 9, 2003

Preliminary Session Schedule

(as of March 7, 2003)

A1-4	July 6 (Sunday) AM	E1-4	July 8 (Tuesday) AM
B1-4	July 6 (Sunday) PM	F1-4	July 8 (Tuesday) PM
C1-4	July 7 (Monday) AM	G1-4	July 9 (Wednesday) AM
D1-4	July 7 (Monday) PM		

Title	Chair/Co-chair
A1 Tanning	C: Howard Cyr – howard@cyr.net Cc: Sharon Miller – sym@cdrh.fda.gov
A2 Photoimmunology	C: Stephen Ullrich – sullrich@notes.mdacc.tmc.edu Cc: Jean Krutmann – krutmann@rz.uni-duesseldorf.de
A3 Basic Mechanisms of Circadian Rhythms	C: Ignacio Provencio – provenci@bob.usuhs.mil Cc: Kenneth Wright – Kenneth.Wright@Colorado.EDU
A4 Oxidative Damage	C: Jean Cadet – cadet@drfmc.ceng.cea.fr Cc: Al Girotti – agirotti@mcw.edu
B1 DNA Repair Variability	C: Dan Yarosh – danyarosh@agiderm.com Cc: Ken Kraemer – kraemer@nih.gov
B2 Immunological Aspects of PDT	C: Sandra Gollnick – Sandra.Gollnick@RoswellPark.org Cc: Mladen Korbelik – mkorbeli@bccancer.bc.ca
B3 Human Circadian Rhythms	C: Kenneth Wright – Kenneth.Wright@Colorado.EDU Cc: Ignacio Provencio – provenci@bob.usuhs.mil
B4 UV Effects in Aquatic Ecosystems	C: David Mitchell – dmitchell@sprd1.mdacc.tmc.edu
C1 Photoaging and Photoprotection	C: Henry W. Lim – hlim1@hfhs.org Cc: Sewon Kang – swkang@umich.edu
C2 Melanocytes and Melanoma	C: Francis Noonan – drmfpn@gwumc.edu Cc: Thomas Hornyak – thornya1@hfhs.org
C3 Rhodopsins & Vision	C: Kevin Ridge – ridge@carb.nist.gov Cc: John Spudich – John.L.Spudich@uth.tmc.edu
C4 UV Effects on Terrestrial Ecosystems	C: Donald Krizek – krizekd@ba.ars.usda.gov
D1 Photocarcinogenesis	C: Hasan Mukhtar – hmukhtar@wisc.edu Cc: Vivienne Reeve – v.reeve@vetp.usyd.edu.au

D2 Tumor Diagnostic and Therapeutic Agents	C: Ravindra Pandey – Ravindra.Pandey@RoswellPark.org Cc: Samuel Achilefu – achilefus@mir.wustl.edu
D3 Ocular Photochemistry	C: Joan Roberts – jroberts@fordham.edu
D4 Ultrafast Processes in Chemistry and Biology	C: Michael A. J. Rodgers – rogers@bgnet.bgsu.edu
E1 <i>Contributed Papers Session I</i>	Scientific Program Committee
E2 Death Mechanisms Associated with PDT: Apoptosis	C: David Kessel – dhkessel@med.wayne.edu Cc: Nancy Oleinick – nlo@po.cwru.edu
E3 Photosensory reception mechanisms	C: Wolfgang Gärtner – gaertner@mpi-muelheim.mpg.de
E4 Phototherapy	C: Herbert Hoenigsmann – herbert.hoenigsmann@univie.ac.at
F1 <i>Contributed Papers Session II</i> Scientific	Program Committee
F2 Fluorescent Biosensors	C: Cornelia Bohne – Bohne@uvic.ca
F3 Bioluminescence	C: David Tu – dtu@uh.edu & Y. Ohmiya – y-ohmiya@aist.go.jp
F4 <i>Contributed Papers Session III</i> Scientific	Program Committee
G1 Clinical PDT	C: Stephen Hahn – hahn@xrt.upenn.edu Cc: Allan Oseroff – Allan.Oseroff@RoswellPark.org
G2 Photochemical Tools in Genomics & Proteomics	C: Lisa Kelly – lkelly@umbc.edu
G3 Photosynthesis: New Developments	C: Bridgette Barry – barry@biosci.cbs.umn.edu Cc: Neal Woodbury – NWoodbury@asu.edu
G4 <i>Contributed Papers Session IV</i> Scientific	Program Committee

ASP Awards

The American Society for Photobiology is soliciting nominations for:

- (a) The *ASP Research Award*, in recognition of individuals who have made a major contribution to the fields of photobiology, photochemistry and/or photophysics.
- (b) The *New Investigator Award*, in recognition of promising quality research performed at a relatively early stage in an investigator's career.

Award criteria and guidelines for nomination can be found at the "Awards" link on the ASP web site, www.photobiology.org. The ASP Award Committee will begin evaluating nominations March 20, 2003 and will continue until finalists are chosen.

Please forward nomination materials to:

Thomas C. Vogelmann
Professor and Chair
Botany and Agricultural Biochemistry
Marsh Life Science Bldg.
109 Carrigan Dr.
University of Vermont
Burlington, VT 05405-0086

ph (802) 656-0422
fax 802-656-0440
e-mail: thomas.vogelmann@uvm.edu

Candidates for President Elect



Thomas G. Ebrey

Department of Biology,
University of Washington,
Seattle, WA.
ASP Division 2 (Photosensory
and Circadian Biology) and
Division 3 (Photosynthesis)

Education: B.S. Physics,
University of Oklahoma, Ph.D.
Physics, University of Chicago,
Postdoctoral work with Rod
Clayton at Cornell University.

Appointments: Assistant Professor, Department of Biological Sciences, Columbia University, 1968-73; Associate Professor to Full, Departments of Physiology and Biophysics, and Department of Cell and Structural Biology, University of Illinois, 1973-2000; Research Professor, Department of Biology, University of Washington, 2000- present; Visiting appointments, Kyoto University, Kyoto Japan, 1971; Institute of Biophysics, Academy of Sciences, Beijing, China, 1980; Department of Biology, Princeton University, 1982.

Research Interests: Phototransduction involving retinal pigments. Spectroscopy and photochemistry of visual pigments, bacteriorhodopsin. Structure and organization of light energy transducing membranes using low temperature and flash spectroscopy, and FTIR spectroscopy. Earlier work on chlorophyll-based bacterial photosynthesis and on phototropism in fungi.

ASP Service: Organized symposia at National and International meetings of the Society; served as Associate Editor for *Photochemistry and Photobiology*.

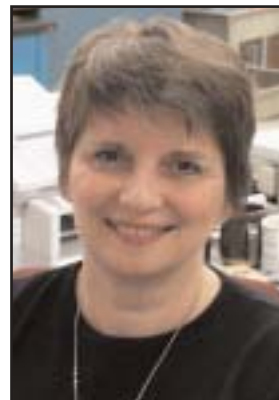
Candidate's Statement: In my view our greatest challenge is to maintain the vigor and intensity of our enterprise. In many ways these are golden days for photobiology. On the one hand the number of new photoreceptors being found in organisms is expanding at a breathtaking pace due mostly due to new techniques, many of which were pioneered by our members. On the other hand, photomedicine has expanded both by important new findings and with the publication of new textbooks and other educational resources making it much easier to teach and proselytize in this area. Not only are the fundamental scientific background and principles of photobiology shared by all our members, but there is important cross-fertilization that takes place when we learn about the latest findings in related sub-disciplines. The creation of an on-line textbook of "all of biophysics" by the Biophysical Society should allow our members to more easily put together mini-courses on photobiological topics. A similar but more restricted initiative has been started by our European

(continued on next page)

Frances P. Noonan

The George Washington
University Medical Center,
Washington, D.C.
ASP Division 4 (Photomedicine)
and Division 5 (Environmental
and UVR Effects).

Education: B.Sc. (Hons.
Biochemistry) and Ph.D.
(Microbiology/Immunology),
University of Queensland,
Australia. Post-doctoral
(Photoimmunology/tumor
immunology), NCI-Frederick Cancer Research Facility,
Frederick, MD.



Appointments: Research Officer, Department of Microbiology, University of Queensland, 1977-78; Scientist, Cancer Biology Program, Frederick Cancer Research Center, 1978-82; Visiting Scientist, 1st Department of Dermatology, University of Vienna, 1982; B.S. Hanson Research Fellow/Research Fellow of the Anti-Cancer Foundation of the Universities of South Australia, 1983-86; Associate Research Professor, George Washington University, 1986-92; Expert, Biologic Resources Branch, Biologic Response Modifiers Program, National Cancer Institute, 1987 (Feb to Aug); Research Professor, George Washington University, 1992-2001; Professor, George Washington University, 2001-present.

Research Interests: The role of ultraviolet radiation in skin cancer is the focus of my research interests. My area of expertise is photoimmunology and photobiology, in particular the immunologic consequences of exposure to ultraviolet B (UVB, 290-320nm) radiation and their role in skin cancer outgrowth. Our group has been involved with photoimmunology almost since its inception and was responsible for the first evidence that photoisomerization of urocanic acid in the skin is immunosuppressive. More recently, we have developed a mouse model for cutaneous UV-induced melanoma that recapitulates human disease in etiology, histopathology and molecular pathogenesis. The long-term aims of my laboratory are two-fold: first, to identify the genes controlling susceptibility to UV-induced immunosuppression and to establish how these contribute to skin cancer development; second, to use the melanoma mouse model to derive a better understanding of malignant melanoma, particularly the photobiology of this disease and the role of the immune system in its pathogenesis.

ASP Service: Councilor 1993-96 and 2000-2003 .
Symposium organizer (ASP annual meetings and ICP
meetings, Vienna, 1996 and San Francisco, 2000).

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Thomas G. Ebrey (continued from previous page)

counter parts. I would support these on-line educational resources and try to ensure that all topics of interest to members of ASP are covered by them. I would also like the Society to encourage such efforts by other societies. We should consider putting together syllabi of model courses in photobiology, phototransduction, photomedicine, etc. that would help all scientists teaching on these topics. Such efforts would also help ensure that students and younger developing scientists are exposed to photobiology.

The annual meeting is at the core of much that the Society does and due to the efforts of our members who have organized these, they have been quite successful. But the meeting is not a “must” for all areas of photobiology because of a lack of a critical mass of researchers in some sub-disciplines of photobiology. While I know how is difficult it is to change patterns of meeting attendance, I would like to work with the Council and the Society’s members to slowly expand areas of photobiology that are under-represented at our national meeting, while solidifying those areas that are well represented.

Frances P. Noonan (continued from previous page)

Candidate’s Statement: The strength of the ASP is not only in the expertise of its members in research and teaching but also in its interdisciplinary structure embodied in its 5 divisions. We need to maintain the strength of each division and strongly encourage participation in the ASP of scientists in new areas which interact with photobiology. The ASP needs to maintain and to improve its role in providing opportunities for students and junior faculty to participate in society scientific meetings and in governance. If elected President, I will do my utmost to continue to encourage and develop interest in the fascinating effects of light on chemical and biological systems.



Advertising in ASP News

ASP News accepts paid advertising for the print edition (summer issue) and electronic-only editions (autumn, winter, and spring issues). The rates for advertising are given below.

Print issue, B&W (limit of one page total advertising per issue)

	<u>1 issue</u>	<u>2 issues</u>	<u>4 issues</u>
Full page	\$515	\$465	\$415
Half page	\$385	\$350	\$320
1/4 page	\$290	\$260	\$230
1/8 page	\$215	\$195	\$175

In print issues, there is a surcharge for color advertising of \$360 per standard or matched color page and \$800 per 3- or 4-color page.

Electronic issues, B&W or Color (limit of two pages total advertising per issue)

	<u>1 issue</u>	<u>2 issues</u>	<u>4 issues</u>
Full page	\$385	\$350	\$310
Half page	\$290	\$260	\$240
1/4 page	\$210	\$195	\$170
1/8 page	\$160	\$145	\$130

Online Photochemistry Database

In 1997, we introduced the online Photochemistry Database (PCDB), available without charge at <http://www.chemres.hu/pchem/>. The PCDB covers publications in photochemistry and related fields, such as organic and bioorganic optical spectroscopy, molecular aspects of photobiology and radiation biology, and radiation chemistry. The PCDB provides broad coverage of journals and topics, an efficient search engine, and is updated monthly.

In addition to searching by author, keyword, or journal (with multiple terms separated by Boolean operators), users can also choose a search topic from a hierarchical list. This list consists of 29 broad photochemistry topics, each of which is separated into many subdivisions. The user can simply enter the number for a given subdivision as a keyword into the PCDB search engine. In addition, users can search the database using acronyms from a list provided on the web site. The PCDB now provides a monthly e-mail alerting system, using user-defined search profiles.

We invite all colleagues to make use of the current version of the PCDB at <http://www.chemres.hu/pchem/>. The future of the PCDB depends on its acceptance by the community. We therefore invite your comments, criticism and encouragement to be sent to the e-mail addresses listed below.

Database: Gottfried Grabner (Universität Wien, Austria)
e-mail: gottfried.grabner@univie.ac.at
Software and webpage: Zsolt Kúti (Hungarian Academy of Sciences, Hungary) e-mail: kuti@cric.chemres.hu

Association for Photosciences in the Tropics

Here with we announce the "Association for Photosciences in the Tropics" (APT) has officially been established by posting all related information to the Internet on September 15, 2002. The announcement comes as scheduled and in accordance with the ideas, input and decisions made towards such an entity by the participants and general assemblies of the SEAWPIT'98 and SEAWPIT 2000 conferences. We would like to thank all of our colleagues who participated in the founding process. Many of them we count as founding members of the APT.

Any scientist, institution, or company wanting to support, promote, or pursue the aims and goals of the APT - the initiation, promotion and strengthening of photosciences in and for the tropical region - is invited to join the APT. An application form is available on the APT web site, www.KLWinckler-ck.de/apt.

Any active participation, contribution (related news, links etc) and submission of ideas is most welcome. Remember, a society or association is only as lively and powerful as its members are active. The field of photosciences (the understanding and practical application of how light interacts with matter and nature) is currently underrepresented in the tropics, but has a bright potential and future.

Dr. Klaus D. Winckler, apt@klwinckler-ck.de
Dr. Lucia Fidhiany
(Initiators, co-founders, and appointed coordinators for the APT.)

Upcoming Events

March 20, 2003

Annual Meeting of the Photomedicine Society
San Francisco, CA
Contact:
Suzy Milberger
Tel: 214-648-6743
Fax: 214-648-0280
E-mail: photomed@utsouthwestern.edu

May 11-16, 2003

Gordon Research Conference: Chronobiology
Il Ciocco
Barga, Italy
Chair: Russell G Foster, r.foster@ic.ac.uk
Vice-Chair: Martha U Gillette, mgillett@uiuc.edu

May 24-25, 2003

Satellite International Symposium of 5-ALA for 8th IPA
Fukuoka, Japan
Contact: Norio Miyoshi
Tel: +81-776-3111 (Ext. 2232)
Fax: +81-776-61-8103
E-mail: nmiyoshi@fmsrsa.fukui-med.ac.jp

June 10-11, 2003

7th International Conference on Sun Protection: A time of change
The Royal Society, London
Tel: +44(0)20-8399-2197
Fax: +44(0)20-8693-1943
E-mail: info@summit-events.com

June 22-25, 2003

European Conference on Biomedical Optics
Munich, Germany
Web site:
spie.org/Conferences/Calls/03/ebo/index.cfm

June 22-27, 2003

Gordon Research Conference: Photosynthesis
Roger Williams University
Bristol, RI
Chair: Marilyn Gunner, gunner@sci.cny.cuny.edu
Vice Chair: Sabeeha Merchant, merchant@chem.ucla.edu

June 22-27, 2003; July 20-25, 2003

Protein Purification: Isolation, Analysis, and Characterization of GFP
Cook College, Rutgers University,
New Brunswick, NJ
Contact:
Prof. William W. Ward

Tel: 732-932-9562 ext. 216 or 212
E-mail: crebb@rci.rutgers.edu
Web site:
www.rci.rutgers.edu/~meton/protein.html

July 5-9, 2003

31st Annual Meeting of the American Society for Photobiology
Inner Harbor Hyatt
Baltimore, MD
Contact:
Prof. John L. Spudich
E-mail: John.L.Spudich@uth.tmc.edu

July 20-25, 2003

Gordon Research Conference: Photochemistry
Mount Holyoke College
South Hadley, MA
Chair: Laren M Tolbert, laren.tolbert@chemistry.gatech.edu
Vice Chair: Vaidhyanatha Ramamurthy, murthy@tulane.edu
Vice Chair: Kirk S Schanze, kschanze@chem.ufl.edu

July 26-31, 2003

XXIst International Conference on Photochemistry
Nara, Japan
Contact:
Prof. N. Nakashima,
Department of Chemistry,
Osaka City University, Sugimoto,
Sumiyoshi,
Osaka 558-8585 Japan
Tel and Fax: +81-6-6605-2552
E-mail: icp21@sci.osaka-cu.ac.jp
Web site:
dolphin.ap.eng.osaka-u.ac.jp/icp21.html

August 3-8, 2003

Advances in Optics for Biotechnology, Medicine and Surgery
Banff Conference Center
Banff, Alberta, Canada
Web site:
http://www.engconfintl.org/3an.html

August 30 - September 4, 2003

10th European Conference on the Spectroscopy of Biological Molecules
Szeged, Hungary
Web site:
www.ecsbm2003.hu/ecsbm2003.html

September 2-6, 2003

Plant Photobiology Meeting
Philipps-University Marburg
Marburg, Germany
Contacts:
Prof. Alfred Batschauer, Chair of the Scientific Program
Tel: +49-6421-28-27064
Fax: +49-6421-28-21545

E-mail: batschau@mail.uni-marburg.de
Birte Dohle, Secretary
Tel: +49-6421-28 22073
Fax: +49-6421-28 21545
E-mail: dohle@mail.uni-marburg.de
Web site:
https://cgi-host.uni-marburg.de/~ppmm2003/

September 6-13, 2003

10th Congress of the European Society for Photobiology
Vienna, Austria
E-mail: office@esp2003.org
Web site: www.esp2003.org

October 7-11, 2003

5th International Symposium on Photodynamic Diagnosis and therapy in Clinical Practice
Brixen/Bressanone, Italy
Contacts:
Prof. Herwig Kostron
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Fax: +43-512-5042641
E-mail: Herwig.Kostron@uibk.ac.at
Prof. Giulio Jori
Tel: +39-049-8276333
Fax: +39-049-8276344
E-mail: jori@bio.unipd.it
Web site:
neurosurgery.uibk.ac.at/PDT2003.html

June 10-15, 2004

14th International Congress on Photobiology
International Convention Center
Jungmoon, Jeju (Cheju), Korea
Web site: photos.or.kr/ICP2004/

July 10-14, 2004

32nd Annual Meeting of the American Society for Photobiology
Westin Seattle
Seattle, WA.

August 2-6, 2004

13th International Symposium on Bioluminescence and Chemiluminescence
Conference Center of Pacific Yokohama
Yokohama, Japan
Contact:
Prof. Akio Tsuji
Tel: +81-3-3784-8194
Fax: +81-3-3784-8247
E-mail: BXP02045@nifty.ne.jp
Web site:
www2.unibo.it/isbc/Files/BC_Symnf.htm

August 29-September 3, 2004

13th International Congress on Photosynthesis
Montreal, Canada
E-mail: ps2004@uqtr.ca
Web site: www.uqtr.ca/ps2004/