

Sixth International Conference on Biophysics and Synchrotron Radiation

August 4-8, 1998

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Final Report**Submitted by Keith Moffat, PI****DE-FG02-98ER62627**

The Sixth International Conference on Biophysics and Synchrotron Radiation was held at the Advanced Photon Source, Argonne National Laboratory, from August 4-8, 1998, with pre-conference activities on August 3. Over 300 attendees and 65 presenters participated in the conference that was collaboratively hosted by the University of Chicago, Center for Advanced Radiation Sources and the Advanced Photon Source. Dr. Keith Moffat (The University of Chicago) was the Conference Chair. APS and Argonne staff worked most effectively with University of Chicago staff to make the meeting a success. The auditorium and meeting rooms of the Advanced Photon Source provided an excellent setting. Most participants were accommodated at the Argonne Guest House; a few chose to stay at nearby motels.

The 13-member Local Program and Organization Committee, chaired by Dr. Moffat, made conference arrangements and acted upon advice from the 26-member International Scientific Advisory Committee. Lists of the membership of both committees are in the Conference Program/Abstracts book included with this report.

Over the period of 4.5 days, researchers representing institutions from throughout the US and eight foreign countries made scientific presentations. Full program details are in the Conference Program/Abstracts book. Tours of the Advanced Photon Source provided attendees with the opportunity to become familiar with the biophysics-oriented APS Collaborative Access Teams (CATs), and vendor exhibits were open from Tuesday through Friday.

98 poster authors participated in the two-part poster session. Hot Topics awards were presented to eight graduate students or postdoctoral appointees selected by a blue-ribbon panel from abstracts submitted in advance for the poster sessions. The Hot Topic presenters each made 15-minute presentations on one evening of the conference, in addition to presenting their posters. A copy of the book of Poster Abstracts is included with this report.

Two other evenings featured "Meet the Experts" sessions during which several small groups of senior scientists, each expert on a particular style of experiment (e.g. virus crystallography, time-resolved, soft x-ray microscopy) or apparatus (e.g. detectors) met informally with conference attendees interested in discussing their own experiments or any topic related to synchrotron-based research. These evenings proved to be very successful opportunities for casual discussion of topics of mutual interest.

This award from DOE was used only for the purpose of reimbursing the cost of invited speakers' expenses.

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A meeting of the International Scientific Advisory Committee was held during the conference, at which it was decided that the next conference would be held in 2001 in Brazil. Dr. Glaucius Oliva (University of Sao Paulo & Howard Hughes Medical Institute) will be the Conference Chair.

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