Charge 1. Status of Charge 1: Ongoing

Annually update and affirm the AAPD research agenda. Select the two or three highest ranked topic areas for concentrated investigation and report annually to the Board.

*Background and Intent:* The Council on Scientific Affairs’ list of research topics of relevance reflects areas of clinical inquiry of significance across the broad spectrum of the specialty of pediatric dentistry. The research agenda is to be shared annually with interested parties and HSHC as it develops its priorities for funding.

**Progress Report for Charge 1**

The CSA reviewed the Research Agenda during its meeting at the 2009 Annual Session. Subsequently the CSA has revised and updated the research priorities. The CSA felt that it was important to specify Early Childhood Caries when referring to caries research. Additionally, there are two areas for research that the CSA felt needed to be added to the top 5 lists on the research agenda: 1) childhood obesity and 2) workforce issues and oral health delivery systems, particularly when it comes to mid-level providers.

Charge 2. Status of Charge 2: Ongoing

Annually submit to the Scientific Program Committee a list of potential topics for a contemporary clinical issues program to be presented at the Annual Session.

*Background and Intent:* This is a standing charge to the Council, updated yearly, that uses the Council’s expertise in planning a portion of the Annual Session. It was the feeling of the both the
Council on Scientific Affairs and the Scientific Program Committee that the potential topics for this kind of course should come from the Council on Scientific Affairs but planning and execution of this course should come from the Scientific Program Committee.

### Progress Report for Charge 2

CSA discussed several topic areas for next year and future years. The topic chosen last year’s annual session was ‘Caries Risk Assessment’. The topic for 2010 will be “imaging techniques” and proposed for 2011 is “stem cells.” Other topics suggested for future years include oral/systemic health especially in low birth weight infants, nutrition/obesity, and periodontal disease in children.

### Charge 3. Status of Charge 3: Ongoing

Review studies and/or scientific protocols being considered for funding by AAPD and/or HSHC and make recommendations for approval, disapproval, or revision.  
**Background and Intent:** This charge calls upon the Council’s scientific expertise in assisting HSHC. When the HSHC Grants and Fellowships Committee receives requests for funding, they may ask for assistance in determining whether or not to grant funding. The Council on Scientific Affairs also assists HSHC in recommending research topics or projects for funding.

### Progress Report for Charge 3

The CSA Chair served as a reviewer on the HSHC Grant & Program Committee for the inaugural year of the Access to Care and Oral Health Researcher Grants.

### Charge 4. Status of Charge 4: Ongoing

Review research fellowship and awards to include, but not be limited to, the FRA, GSRA, and 3M ESPE competitions. Additionally the Chair will review each application for appropriate and relevant content prior to release for Council review.  
**Background and Intent:** The review of the FRA, GSRA and 3M ESPE fellowships are currently under the scientific groups of the HSHC. HSHC has indicated their interest in moving this back to CSA. This charge calls upon the Council’s scientific expertise reviewing the AAPD’s research awards and fellowships. This is currently the responsibility of the HSHC.

### Progress Report for Charge 4

The CSA has been informed from the HSHC Program and Grant Committee that the FRA will no longer be offered beginning this year. Additionally, the judging for the GRSA and 3M ESPE has moved back the AAPD/CSA. The judging committees have been selected. The CSA Chair will review all submissions. The deadline for submission for the GSRA is January 15 and the 3M/ESPE March 5.

### Charge 5. Status of Charge 5: Ongoing

In conjunction with the Council on Clinical Affairs, use evidence-based approaches to identify the scientific basis for the policies and guidelines developed for the AAPD Reference Manual.  
**Background and Intent:** The Council on Scientific Affairs will be asked to provide input to the Council on Clinical Affairs as the council revises the policies and guidelines each year. Ad hoc advisors to the Council on Scientific Affairs, with specific expertise on particular areas under
development, will be asked to work early on with the Council on Clinical Affairs as these policies and guidelines are developed or revised. This input will help to ensure that the guidelines and policies in the Reference Manual are supported by current science. Council on Scientific Affairs as a body will be asked to review the final drafts of policy and guidelines for comment before submission to the Board of Trustees.

**Progress Report for Charge 5**

CSA members have worked closely with their counterparts on CCA to provide scientific input in the development and revision of guidelines and policies.

**Charge 6. Status of Charge 6: Ongoing**

Provide recommendations to the Board of Trustees concerning the scientific validity of all communications, endorsements and publications sponsored by the Academy.

*Background and Intent:* Requests from outside organizations for endorsement or support of products, services or communications will go to the Council on Scientific Affairs for review and recommendation as to scientific validity prior to presentation for consideration of the Board of Trustees.

This is a standing charge to ensure that the publications and promotional and educational materials offered to our members, other professionals, and the public are supported by scientific basis and accuracy.

**Progress Report for Charge 6**

As needed and requested by the Board of Trustees.

**Charge 7. Status of Charge 7: Ongoing**

Review the medical and dental literature to identify emerging products, practices, therapeutics, interventions, treatments, strategies, philosophies and trends applicable to pediatric oral health care. Based on this review, recommend to the Board of Trustees no later than May of each year any policy or guideline that needs to be developed or updated.

*Background and Intent:* This charge results from a recommendation of the January 2004 Planning Session that the Academy take the initiative in anticipating changes in clinical practice, including “off-label” use of pharmaceuticals and advances in diagnostic technology. With the development of new products and procedures in pediatric dentistry, it is imperative that the Academy take the initiative to anticipate changes in clinical practice and develop appropriate clinical guidelines.

**Progress Report for Charge 7**

During the CSA meeting at the 2009 Annual Session members discussed the emerging need for child care centers to develop oral health guidelines as part of their accreditation standards. Currently the American Academy of Pediatrics has endorsed the American Public Health Association Guidelines. A background and intent statement has been developed and forwarded to the Council on Clinical Affairs and Board of Trustees for consideration.

**Charge 8. Status of Charge 8: Ongoing**

Maintain and update as necessary a list of organizations, agencies and individuals actively engaged in research activity which closely parallels our highest-ranked research priorities.
Specify how the work being done by these groups and individuals parallels the AAPD research priorities. Recommend ways by which the AAPD and HSHC can collaborate and establish partnerships with these groups and individuals.

**Background and Intent:** Forming partnerships with other organizations would afford AAPD greater visibility in these efforts and would help leverage limited resources. The NIH/NIDCR Strategic Plan has provided funding for many good research areas of interest to pediatric dentistry.

### Progress Report for Charge 8

Several areas are being pursued related to this charge. Liaisons have been developed between CSA members/consultants and Principal Investigators of the NIDCR funded Disparities Centers that have a focus on children. Contact has been made with four centers and information regarding the focus of studies being conducted is being collected. Other members/consultants have been assigned to search databases (e.g., NIDCR CRISP, MCHB) to identify individuals who are actively engaged in research paralleling AAPD research priorities. Additionally, a tracking database of funded projects has been developed and is maintained by the CSA Chair.

### Charge 9. Status of Charge 9: In Progress

Approach the three existing practice-based networks with the goals of identifying one who that be interested in implementing a pediatric practice-based network. Report annually to the Board of Trustees.

**Background and Intent:** There is often a need to address clinical research questions in a timely and real-world manner. Technological advances have made this approach extremely feasible and timely. The clinical pediatric dentist offers an untapped opportunity to address and capture the wealth of information and patients advance research. To date, several pediatric dental practices have been recruited, but it has become evident that development and implementation of a separate network would be cost prohibitive.

### Progress Report for Charge 9

Two NIH funded Practice Based Networks were approach by the CSA Chair. A decision was made to partner with the PEARL network. The PEARL Network has now expanded and has members in most regions of the country. They have a group of trained Clinical Research Associates (CRAs) who travel extensively to introduce practices to studies and their integration into practice routine, help monitor progress and troubleshoot problems. To date, twenty eight pediatric dentists have joined the AAPD internal network. Practice demographics for the participants have been collected. Members are being asked to joining the NYU PEARL Network.

The PEARL Network has expanded and has members in most regions of the country. They have a group of trained Clinical Research Associates (CRAs) who travel extensively to introduce practices to studies and their integration into practice routine, help monitor progress and troubleshoot problems.

### Charge 10. Status of Charge 10: In Progress

Collaborate with international pediatric dental organizations to develop mechanisms for scientific partnerships.
Background and Intent: The Academy seeks to enhance its membership through, among other approaches, the international research and knowledge base. Outreach to international dental societies can be the starting point. For example, the European Dental Society is known for its research. Welcoming these members would enhance AAPD members’ research and practice, and recognize them as part of the global dental community.

Progress Report for Charge 10

CSA decided to engage the international research community through the GRSA and FRA mechanism. The FRA will not be offered in the upcoming year, but the GRSA will continue. The requirements for the GSRA have been modified so not to limit the application to postdoctoral programs only, but rather include post graduate training programs and/or international equivalent programs. Additionally, the announcement will be posted on the web and notices sent out to international graduate student listserves to help encourage their participation in this research program.

Additionally, an international consultant member has been added to the CSA.

Charge 11. Status of Charge 11: In Progress

Develop and maintain a national Pediatric Dental Residents Research Database to be posted on the AAPD Web site.

Background and Intent: The council is already maintaining an updating as necessary a list of organizations, agencies and individuals actively engaged in research activity which closely parallels the AAPD’s highest ranking research priorities. Development of this database would assist AAPD in tracking areas of residents’ research, and in promotion national and international research collaborations.

Progress Report for Charge 11

A database file has been created and is currently being pilot tested among CSA members.