



45<sup>th</sup> Annual Meeting of the AADR/40<sup>th</sup> Annual Meeting of the CADR

## 2016 AADR/CADR CALL FOR ABSTRACTS

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### Important Dates to Remember:

Abstract Submission Site Opens.....	July 1, 2015
Abstract Submission Deadline.....	October 15, 2015
Abstract Notifications Emailed to Presenters.....	Mid December 2015
Presenter Pre-registration Deadline.....	January 14, 2016
Presentation Numbers Emailed to Presenters.....	Late January 2016

### To Submit your Abstract:

**SUBMIT YOUR ABSTRACT NOW**

Click the button wherever it appears online on the official 2016 AADR/CADR Annual Meeting web site, [www.aadr.org/aaam](http://www.aadr.org/aaam) or within this document. Please follow the abstract submission instructions. Any questions may be directed to the AADR Meetings Department at [meetings@aadr.org](mailto:meetings@aadr.org).

# WELCOME!

The American Association for Dental Research will host its 45<sup>th</sup> Annual Meeting of the AADR/40<sup>th</sup> Annual Meeting of the CADR in the Los Angeles Convention Center, Los Angeles, California, USA (March 16-19, 2016). The AADR/CADR Annual Meeting & Exhibition will provide scientists and researchers throughout the world with the opportunity to present, discuss and critique their investigations. If you are involved in dental, oral and craniofacial research, we urge you to submit an abstract for consideration for presentation. We expect more than 3,000 delegates to attend the meeting. The oral and poster sessions will be designed from accepted abstracts. Please note that delegates attending the AADR/CADR Annual Meeting are eligible to receive CE credit hours through the ADA Continuing Education Recognition Program (CERP); see page 16 for more information.

## ABSTRACT RULES AND GUIDELINES

1. Individuals may present **only one abstract** (excluding Symposia, Hands-on Workshops, Lunch & Learning and Keynote Speakers).
2. Projects being submitted must be original research.
3. Submitters may NOT split one study into several papers, as they may be asked to combine for review.
4. Individuals can co-author multiple abstracts.
5. Presenter must disclose any personal or co-author potential conflict of interest and agree to the [IADR Policy on Full Disclosure](#) along with the [IADR Abstract Licensing Policy](#) during submission.
6. Previously published abstracts (in print or any electronic format) or those presented at another meeting are not allowed.
7. Abstracts should not be submitted on material that will also be presented at a symposium held at the same meeting.
8. Authors of presentations later proven to contain previously published material will be sanctioned and may be prohibited from presenting at future meetings.
9. Group Program Chairs (GPC) and the Annual Session Committee (ASC) reserve the right to reclassify submitted abstracts into the most appropriate area of review.
10. Abstracts must be submitted via the online abstract submission site. Faxes, photocopies or emailed copies will not be reviewed.
11. You must receive the approval of all co-authors before putting their names on the abstract.
12. There will not be an option for Late-Breaking News Abstracts.
13. There will not be an abstract replacement period.
14. **Abstracts are reviewed as submitted by the abstract deadline of October 15, 2015. Abstracts in Draft will not be reviewed for inclusion in the scientific program. Presenters are not permitted to modify their abstracts after this date for purposes of this review.**

## Presenter Agreement

All presenters must agree to the following conditions when submitting an abstract:

1. Affirm that any work with human or animal subjects reported in the abstract complies with the guiding principles for experimental procedures found in the Declaration of Helsinki of the World Medical Association, and this research project has been duly cleared by my Institutional Review Board (IRB) or Institutional Ethics Committee or an equivalent ethical body.
2. Affirm that the work has **not** been published (in print or electronically) or presented elsewhere prior to the AADR/CADR Meeting.
3. Agree that if the abstract is accepted, AADR has permission to publish the abstract in printed and/or electronic formats.
4. Agree to pre-register for the meeting and pay the appropriate registration fee by the presenter pre-registration deadline of **January 14, 2016**.

**Failure to pre-register by January 14, 2016, will result in the following:**

- **The abstract will be automatically withdrawn from the Program Book and the Online Abstract System.**
- Submitter will not be allowed to present his/her abstract at the meeting.
- The abstract will not be citable as being part of the Special Issue of the *Journal of Dental Research*.

## IADR Abstract Licensing Policy

By submitting an abstract to IADR, and in consideration for the opportunity to be included in IADR's presentations, the author of the abstract hereby provides to IADR a non-exclusive, irrevocable, worldwide, royalty-free license to use the abstract in IADR's publications and materials. To the extent that IADR incorporates an abstract in a collection or compilation of materials, including but not limited to any publication of meeting abstracts or an online, searchable collection of abstracts, the author acknowledges and agrees that IADR shall own all right, title and interest in and to such collections and compilations including any copyrights to said collections and compilations. Notwithstanding the foregoing, U.S. Government Works, as defined under the Copyright Act found under Title 17 of the U.S. Code, are exempt from any copyright transfer contemplated herein, and any purported transfer of the copyright to a U.S. Government Work pursuant to this subsection shall be of no force or effect.

## IADR Full Disclosure Policy

IADR seeks to provide participants in its education sessions with current, scientifically-based information relevant to dental, oral and craniofacial research, the practice of dentistry and the oral health of the public. Once a presenter is selected for a particular topic, IADR makes no attempt to control the content of the presentation or the content of any submitted abstract. Therefore, in submitting an abstract for presentation and publication, a presenter represents and warrants to IADR that any intellectual property associated with or contained in the content of the abstract or presentation is owned by the presenter or the presenter is authorized to use said content along with any applicable intellectual property associated with the content.

A presenter may be required by IADR to provide adequate written assurance that the presenter is authorized to use the content of the abstract or presentation. In the event IADR requests such written assurance and the presenter fails to provide the requested documentation, the presenter may be denied the ability to make the presentation. For any abstract or presentation, the presenter and any applicable co-authors of the content must be identified by full name and any affiliation. The presenter also has received the approval from the co-author(s) to have their name(s) associated with the abstract and its content prior to submission.

The presenter further agrees to indemnify and hold harmless IADR from any and all claims of third parties regarding the content of the abstract or presentation, including but not limited to any claims of infringement of intellectual property or misappropriation of proprietary or trade secret information.

In order to ensure fairness to the audience and the public, however, IADR requires each presenter and co-authors to disclose:

- I. Any financial relationship between the presenter and co-authors and
  - a. A company that manufactures or distributes a product discussed in the presentation, or
  - b. A company whose product competes, or may compete, with a product discussed in the presentation must be disclosed to the IADR upon approval on the abstract form and must be disclosed to the audience at the beginning of the presentation.

As used in this document, "financial relationship" includes a consulting arrangement or the conduct or research for the company by the presenter or co-author or a member of the presenter's or co-author's immediate family. It also includes ownership of stock or other interest in a company by the presenter or co-author, and/or a trust of which the presenter, co-author, or a member of the presenter's or co-author's immediate family is a beneficiary, to the best knowledge of the presenter.

2. All presentations must be made in a professional manner, without disparaging colleagues, companies or products. Unnecessarily demeaning comments and attacks on colleagues, companies or products are unacceptable.

Failure to adhere to these guidelines may result in sanctions as deemed appropriate by the IADR, including denial of permission to present at future IADR meetings.

## Presenter Changes

If you are unable to attend the meeting and wish to name a substitute presenter, please use the following guidelines:

- The Presenting Author is the only author that may request a presenter change.
- Substitute presenter must be a co-author.
- Substitute presenter must **NOT** be presenting another abstract at the meeting.
- After the abstract submission deadline of October 15, 2015, all requests for presenter changes **MUST** be made using the Presenter Change/Withdraw Form (link to be made available after the abstract deadline). Requests made using this form will be reviewed by IADR/AADR Global Headquarters before processing.
- Substitution requests must be made **PRIOR** to the meeting.
- Failure to follow the above procedures may result in the presenter being charged the full registration fee and/or not being allowed to present at a future meeting.

## Withdrawal of Abstracts

The following are the guidelines for withdrawing abstracts:

- You may withdraw your abstract at any time until October 15, 2015, without notifying IADR, in the abstract submission site.
- Abstracts withdrawn after October 15, 2015, must be withdrawn using the Presenter Change/Withdraw Form. Requests not submitted via this form will not be considered.
- Withdrawal requests must be received PRIOR to the start of the meeting.
- Lack of travel funds is **NOT** an acceptable excuse for withdrawing an abstract from the meeting.
- Failure to follow the above procedures may result in the presenter being charged the full registration fee and/or not being allowed to present at a future meeting.

**PLEASE NOTE:** Any submitted abstract that does not contain actual text, or is still in draft, will be withdrawn automatically after October 15, 2015. **No changes to abstract text including typos, incorrect data, etc. will be permitted after October 15, 2015.**

## PREPARING TO SUBMIT AN ABSTRACT

All abstracts must be submitted online via the AADR online abstract system. Each completed submission is peer-reviewed for its scientific content by Scientific Group/Network Abstract Reviewers and Group Program Chairs.

### Important Submission Elements

1. **Scientific Group/Network:** All abstracts must be submitted to an appropriate Scientific Group/Network category for review based on the scientific content of the abstract. A large majority of abstracts are transferred each year. If you select the appropriate area, you are more likely to be graded by peers with similar interests and who are familiar with you and your research topic. See the appropriate section below for a complete listing of Scientific Groups/Networks.
2. **Titles:** Abstract titles are limited to 10 words or less. The title should be dynamic and conclusive, rather than descriptive, and should be entered in title case format, AP format. In general, you should capitalize the first letter of each word unless it is a preposition or article. Do italicize scientific names of organisms such as *streptococci* or *candida*. Titles should not be bold.
3. **Authors:** Each author should be added separately to the submission to ensure proper listing. Enter first (given) name, and last (family/surname) name for each author plus institution/affiliation. Please do not list the department/branch in the institution/affiliation field. One person must be identified as the presenting author. The order of the authors can be modified at any time prior to the abstract deadline. IADR will not list each author's department in the Program Book due to space limitations.
4. **Abstract Text:** All abstracts should be 300 words or less. When composing your text, be sure to use a word processor in order to save your abstract in advance. You should not write your abstract into the online form in case for any reason your internet connection is lost. Do not include your title or authors in the abstract text - these items will be collected separately. Do not include references. If the abstract is based on research that was funded

entirely or partially by an outside source, then be sure to enter the appropriate information (funding agency and grant number if applicable) when prompted during submission. You do not need to re-enter the information with your abstract text. However, all external funding **MUST ALSO BE** included in the presentation if accepted. Tables are permitted but should be simple and concise. Graphics/images are not recommended unless they are integral to the abstract and should be limited to no more than 1 or 2.

5. **Special Characters:** Special characters in the title or body of the abstract or in the co-author's names or affiliations should be entered into the system using formatting functions in the submission system.

**Content of the Abstract:** Titles, authors and authors' affiliations are not included in the 300 word limit (references are not collected by IADR).

The abstract must contain a brief statement of:

- a. The objectives of the investigation,
- b. Experimental methods used,
- c. Essential results, including data and, where appropriate, statistics,
- d. Conclusion

6. **Other Items:** the following information should be submitted:

- **Keywords:** All abstract submissions may select up to 5 keywords from a list. Two keywords are required. Keywords should be selected from Medical Subject Headings (MeSH) to be used for indexing of articles. See: <http://www.nlm.nih.gov/mesh/MBrowser.html> for information on the selection of key words.
- **Educator/Clinician Track:** AADR will ask if your research fits well into one of the tracks created by the ASC. Selecting the **Educator track** indicates content would be of most interest to educators. Selecting the **Clinician track** indicates content would be of most interest to clinicians.
- **Awards/Competitions (optional):** Please be sure to select any applicable awards or competitions during the abstract submission process and complete any additional required questions. Clicking on the details & conditions for each award will reveal additional information for each award.
- **Contact Information:** **AADR will only correspond with the presenting author listed on the abstract regardless of who may have submitted the abstract.** Thus, make sure to include a correct email address/phone number for the presenting author. If the presenting author relocates before the 2016 AADR Annual Meeting, please be sure to notify the [AADR Meetings Department](#) with the new information. Please make every attempt to enter the correct membership number for the presenter if he/she is a member of AADR.
- **Chair Opportunities:** Be prepared to enter whether or not the presenter is interested in serving as an Oral Session Chair or Poster Session Chair.

## English Language Assistance Program (ELAP)

AADR is pleased to offer an English Language Assistance Program (ELAP) to assist our abstracts submitters with English Language, through the generous support of our AADR colleagues who have agreed to volunteer. This program is designed to assist non-native English speaking abstracts submitters during the abstracts submission process.

Individuals who are interested in applying for the IADR/AADR ELAP and intend to submit an abstract for the 2016 AADR/CADR Annual Meeting, needs to complete the [online form](#) by **August 31, 2015**. Individuals will be matched with our volunteers based on their expertise, geographic location and availability.

Once the match has been conducted, both the individual and the volunteer will be notified. It is the abstract submitter's responsibility to contact the volunteer and submit his/her abstract for the language review. **Please note that this program is by no means a review of the scientific content of the abstract or a guarantee of acceptance for presentation.** Volunteers will only review the abstract for the language content and will propose necessary suggestions for the corrections to ensure that the submission has used proper English language.

Once program volunteers have communicated with the submitter about the document and the suggested corrections have been made, it is the submitter's responsibility to submit the revised abstract to AADR by the proposed deadline for consideration for presentation. Please visit the AADR/CADR Annual Meeting website at [www.aadr.org/aaam](http://www.aadr.org/aaam) learn more about the abstract submission information.

Please note that individuals in the AADR ELAP are required to submit their abstracts twice – once to the program for editing and matching with a volunteer, and again to the AADR abstract submission site after English language editing has been completed.

To ensure that the submitter and volunteer communicate in a timely manner, AADR will follow up with both individuals. Any problems with a volunteer match can be communicated to AADR at [ELAP@iadr.org](mailto:ELAP@iadr.org).

We hope that this program will encourage individuals to submit abstracts for AADR meetings by facilitating the improvement of English language skills within the research community.

Please contact AADR at [ELAP@iadr.org](mailto:ELAP@iadr.org) if you have any further questions about this program.

## Systematic Review Abstracts

AADR will accept the submission of Systematic Review Abstracts. Systematic Reviews are defined as, “a review of a clearly formulated question that uses systematic and explicit methods to identify, select and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review. Statistical methods (meta-analysis) may or may not be used to analyze and summarize the results of the included studies. The aim is to ensure a review process that is comprehensive and unbiased. Findings from systematic reviews may be used to determine research priorities and/or provide the scientific basis for clinical treatment.”

## Common Abstract Submission Mistakes

- Failure to state objective and conclusion.
- Failure to state sample size and data.
- Excessive use of abbreviations.
- Excessive use of commercial product names.
- Typographical errors (remember that you can't change any of your text after the abstract deadline).
- Writing your abstract at the last minute (this increases stress and leads to errors).
- Work that is duplicative is not well received and you will only be asked to combine with another abstract or your abstract may not be accepted.

**Make sure to show your abstract to a colleague prior to submission to avoid making common mistakes, or if you feel you may benefit from English language assistance please submit your abstract for the ELAP program.**

## Group-author Abstracts

Some research collaborations with large numbers of investigators, operating under a single group name, request the inclusion of the group name as an author, distinct from the individual authors. Group authors may also be known as Collaborative-, Corporate- or Collective-authors. Group-authors would include individuals who contributed to the research that led to the abstract but are not named individually as authors. A common example in dental research would be a practice-based research network. Group-authorship is not meant to acknowledge the University, Institution or Corporation under whose auspices the research was conducted. If your abstract does have a Group-author that includes individuals who contributed to the research that led to the abstract but are not named individually as authors, the name of the Group-author must be added along with the City, State/Prov. and Country for each individual person. The Group-author listings will be included in the Author/Co-author Index online, the Program Book and the USB of Abstracts.

## Word Limit Help

- Always hyphenate when possible (e.g., use “composite-resin restorations”, rather than “composite resin restorations”), and string together complicated phrases with hyphens.
- Abbreviate extensively [i.e., introduce abbreviations quickly and use them. Do not say hybrid zone but rather introduce hybrid zone (HZ) and then use HZ from that point onward].
- Always close spaces between numbers and units (e.g., instead of 30 mm, say 30-mm or 30mm; never leave spaces between numbers & standard deviations; and replace “30 ± 5” with “30±5”).
- Always use tables for the presentation of information when possible. Put units in headers and omit them from the rest of the matrix.
- Make sure that there is no inadvertent ‘dangling punctuation’ in the text, such as a comma or period that is not immediately adjacent to a word.
- Eliminate as many “articles” (a, an, the, ...) as possible.
- String together all of the steps in the Materials & Methods section so that you are not starting and stopping individual sentences with separate subjects, verbs, and adjectives [e.g., “The samples (n=10/gp) were etched (37% H<sub>3</sub>PO<sub>4</sub>), washed (15s), stored (37°C, 7d), conditioned (25°C, 10m), tested (0.1mm/m), and statistically analyzed (ANOVA, Tukey's, p<0.05).”].
- Replace statements with equations [e.g., Instead of “10 samples were tested for each group” insert “(n=10)” into an appropriate sentence.].

- Report all statistical differences with superscripts on results that can be attached rather than requiring separate statements.
- Construct tables to minimize the number of necessary cells.

## Special Requests

If you have any special requests (i.e., religious, academic, travel or personal conflicts) or if you wish to request that abstracts be scheduled in a specific order, please enter this information in the “Special Request” box when entering your abstract online. AADR will not change your presentation if you neglect to include any details regarding your request when submitting your abstract. If you book your travel arrangements prior to receiving your abstracts notification email, please book your return flight for the end of the meeting (late Saturday, March 19, 2016). AADR will **NOT** change presentation dates/times to accommodate your travel schedule or requests made after submission. Please note that all special requests cannot be accommodated but the Group Program Chair will do his/her best when scheduling the applicable abstracts.

## AA DR Awards

Add an Award to your abstract submission! The list of Awards for which you can apply when submitting your abstract is as follows:

[AA DR Hatton Awards Competition](#)  
[DENTSPLY Caulk Competition](#)

## SUBMISSION INSTRUCTIONS

**SUBMIT YOUR ABSTRACT NOW**

Clicking the button where it appears online or in this document will provide you with step-by-step instructions for submitting your abstract online.

## CRITERIA FOR ABSTRACT ACCEPTANCE

Presentations will be selected for the program on the basis of the scientific quality of the work as judged from the abstract. An impartial panel of reviewers (three persons per Group/Network) will evaluate the content of each abstract. Selection of the abstracts will be made by these reviewers and by the ASC, whose decision is final.

The following are the evaluation criteria used in the review of abstracts. This is provided to call your attention to points that will be considered. In the final analysis, it will be the reviewers’ judgment of the value of any abstract that will determine whether the abstract should appear on the program. Since the abstracts are published and become part of the world’s scientific literature, it is important that the content be scientifically sound and grammatically correct. Each abstract is reviewed so that high standards can be ensured.

### **Common reasons for rejection are:**

1. Abstract is not original research.
2. The research is not innovative in its approach to the stated problem (methodology or data collection or analysis or data interpretation).

3. Nature of problem not explicit from either title or abstract.
4. Material too closely related to another abstract submitted by the same co-authors; should have been combined into a single paper.
5. Abstract has been presented at other meeting(s) or previously published.
6. Abstract poorly organized and/or not complete. Required information not given in abstract:
  1. Objective
  2. Methods
  3. Results – data and statistical analysis, or
  4. Conclusions
7. Methods of obtaining data not appropriate with respect to the stated problem for the following reasons:
  1. Methods not sufficiently precise to permit the measurements to be accurate, i.e., variations are within the error limits for the method.
  2. Sampling method contains inherent discriminatory factors not recognized.
  3. Size of sample insufficient to show significant conformity or differences.
  4. No well-defined criteria given for evaluation of variables.
  5. Choice of controls questionable.
  6. No control groups reported.
8. Significance of results related to the nature of the problem being studied is not stated.
9. Conclusions do not necessarily follow as a consequence of the method of analysis applied to the data.
10. Conclusions not adequately qualified, i.e., conclusions have greater limitations than implied by the author.
11. Correlations suggested may be fortuitous insofar as no plausible cause-and-effect relation has been suggested, and none is obvious.
12. Abstract is not in English.
13. Abstract is over word count.

## SUBMISSION CATEGORIES BY SCIENTIFIC GROUP/NETWORK-UPDATED!

**Behavioral, Epidemiologic and Health Services Research:** Abstracts should be submitted to this category if they are related to behavioral studies and other studies involving pain and anxiety, utilization of dental services, professional education, provision of care, clinical decision analysis, cost-effectiveness analysis, comparative-effectiveness research, reimbursement mechanisms or delivery systems and their effect on oral health. Studies that address the following topics are also appropriate: anthropology, psychology, sociology, health education and promotion, economics, finance and public health. Check the “epidemiological methods” box for papers that include important and timely issues pertaining to the design and conduct of human research studies. Descriptive epidemiology papers should be submitted to the Group corresponding to the topic area of the abstract.

**Cariology Research:** Abstracts should be submitted to this category if they are related to dental caries or dental erosion- specifically, their etiology, prevention, diagnosis and treatment. Research approaches could include: epidemiology, clinical studies, or laboratory and animal experimentation. Studies that are concerned with caries, but where the major emphasis is related to microbiology, salivary glands, or dental materials, should be considered by those particular Groups. The following submission options will be available: Demin/Remineralization; Erosion; Fluoride and Ca-based Products; Detection, Risk Assessment and Others; Microbiological Studies/Biofilm; and Clinical and Epidemiological Studies.

**Clinical & Translational Science Network:** Abstracts should be submitted to this category if they are related to clinical and translational research in dentistry, as well as to promote research in areas important for the development of this research, for example in the fields of research methodology, clinical study design, biostatistical and epidemiological methodology, informatics as it relates to clinical and translational studies, and integrative approaches to overall human health with a focus on dental connections and sequelae. A strong goal of the network is to integrate clinical and translational research interests across all IADR research groups and among dental academic and research institutions throughout the world, and to break down barriers to inter-institutional and interdisciplinary clinical and translational research.

**Craniofacial Biology:** Abstracts should be submitted to this category if they are related to a broad array of basic science and clinical studies dealing with the normal growth, development, and maintenance of the craniofacial tissues and the consequences of physiological and pathological variations and challenges on these processes. Please submit papers for the craniofacial biology program based on the following division of topics: **(I) Molecular**—molecular aspects of craniofacial genetics, development, and cell biology; or **(II) Other studies**—including teratology, oral physiology, population studies, orthodontics, oral biology and temporomandibular joint function.

**Dental Anesthesiology Research:** Abstracts should be submitted to this category if they are related to dental anesthesiology category should relate to clinical and basic research in the methods and techniques for anxiety relief and pain control. These scientific areas of concentration may include local anesthesia, analgesia, sedation and general anesthesia for the systemic management of dental patients, especially medically compromised patients, and should also include the necessary precautions for the treatment of medical emergency cases.

**Dental Materials:** All scientific aspects of dental materials are appropriate for this category. This includes laboratory, clinical, and animal testing of materials and their components, as well as instruments and equipment. The interactions of materials and the oral environment are also included. The development of new materials, testing methods, and protocols is of particular interest. Please submit papers for the dental materials program based on the following division of topics: **I) Ceramic-based Materials:** Properties, characteristics, composition and performance of ceramics (except resin bonding), sintered ceramics, machined ceramics, ceramo-metal systems, and implants. **II) Polymer-based Materials:** Properties, characteristics, composition and performance of polymers and resin-containing dental materials, including unfilled polymers, composite sealants and restoratives, prosthetic resins and elastomers (excluding adhesives). **III) Metal-based Materials and Other Materials:** Properties, characteristics, composition and performance of amalgam, mercury, cast alloys, shape memory alloys, wrought wires and metallic implant materials as well as other materials-based topics specific to orthodontic, endodontic, operative, laboratory and preparatory materials. **IV) Adhesion - Bonding and Sealing:** Bond strength testing of all types of dental restorative materials, cements and sealants, microstructural analysis of adhesive interfaces, adhesive surface analysis, and assessment of margin sealing and leakage at bonded interfaces. **V) Biocompatibility, Bioengineering and Biologic Effects of Materials:** Biocompatibility tests, properties and characteristics of antibacterial/anticariogenic materials and therapy, bio-active materials, regenerative therapy, interactions with oral environment and tissues. **VI) Instruments and Equipment:** Curing light units, cutting, finishing and polishing instruments, endodontic posts, and their mechanical properties, safety and efficacy, new microscopic and analytical techniques, CAD/CAM equipment, 3-D printers and other devices applied to materials. **VII) Color and Appearance (Esthetics):** Optical properties of all dental materials (color, translucency, gloss, fluorescence, opalescence, surface texture), in-vivo and in-vitro tooth whitening, instruments and equipment. **VIII) Clinical Trials:** Human studies involved with clinical performance for all materials.

**Diagnostic Sciences:** Abstracts should be submitted to this category if they are related to the detection and measurement of the severity and progression of all oral diseases. Equipment and techniques include, but are not limited to, methods such as radiography, optical, sound, nuclear medicine and magnetic

resonance imaging. The subject area also includes evaluation of the accuracy and reproducibility of diagnostic methods as well as studies in clinical decision-making.

**Education Research:** Abstracts should be submitted to this category if they are related to research affecting all facets of education in the field of dentistry and oral health. Areas include but are not limited to: educational practice; teaching and learning dynamics; teaching evaluation, curriculum design, program evaluation, and outcomes evaluation at all levels (professional and public); competency evaluation (validity and reliability); applications of new technologies, methodologies, teaching and research approaches, characteristics of institutions, educators, and students, licensing and certification, quality assurance, continuing competence, and professional development, as well as cross-professional interaction.

**Evidence-based Dentistry Network:** Abstracts should be submitted to this category if they are related to all the aspects in the development and practice of evidence-based Dentistry. Submissions will be reviewed for validity, importance, and application of methods and techniques for developing, teaching and implementing knowledge distillation and transfer.

**Geriatric Oral Research:** Abstracts should be submitted to this category if they are related to research in the basic mechanisms of aging, the prevalence and characteristics of diseases and disorders in the aged, and their prevention and treatment. This includes general biomedical research, oral medicine, patient management, clinical techniques, and delivery systems, as well as the psycho-social and economic aspects of treating the older adult.

**Global Oral Health Inequalities Research Network:** Abstracts should be submitted to this category if they are related to global oral health inequalities research, including – though not restricted to: research focused on Global Oral Health Inequalities, particularly with the wider health community; interdisciplinary research; research focused on developing standard reporting criteria; implementation research; research that emphasizes the significance of social determinants of oral health, including exposure to environmental risk factors; research based on upstream prevention, with an emphasis on early health promotion at critical stages of the life course.

**Implantology Research:** Abstracts should be submitted to this category if they are related to the basic and clinical science aspects of the implantation of materials and/or biological analogues into the orofacial complex for the augmentation, replacement, or regeneration of body tissues, excluding tooth restoration. The properties of both the natural tissues being replaced and the synthetic/biological substitutes are of interest. The subject area includes: structural and property studies on natural and synthetic materials, biological investigation, tissue/material interfaces, and systematic clinical evaluation of implant materials and designs.

**Microbiology/Immunology:** Abstracts should be submitted to this category if they are related to microbiology/immunology, including: micro-organisms, such as bacteria, viruses, fungi, protozoa, etc., and their relationship to and/or association with oral diseases; microbial pathogenesis; microbial biofilms; microbial genetics, gene structure, gene expression and regulation, genomics, and proteomics; microbial physiology and the by-products of micro-organisms and their relationship to oral diseases; the effects of chemicals, antimicrobial agents, etc., on the physiology and virulence of oral micro-organisms; the serologic and immunologic aspects of oral diseases (human immunologic response to oral micro-organisms); the systemic effects of oral organisms; oral manifestations of systemic diseases; and cell biology and tissue culture studies (excluding experimental pathology) as they relate to oral micro-organisms and diseases. Infection Control: This area includes research covering all aspects of infectious disease transmission and control in the context of oral health care and its delivery in any setting, including the dental office, laboratory, and hospital. Presentations may include assessments of transmission potential and risk, methods of disease spread, or techniques for prevention of cross-infection arising from any source, such as person-to-person contact or via fomites or aerosols.

**Mineralized Tissue:** Abstracts should be submitted to this category if they are related to research principally directed toward elucidation of some aspects of hard-tissue structure, formations, or function. While overlap between research in this area and that of cariology, periodontology and/or salivary research may frequently occur, distinction should be made on the basis of the primary goal of the research. The following session topics should aid you in determining whether a research topic is appropriate for this area: formation of calcium phosphates; regulation of mineralization and dissolution; fluoride; development and mineralization; matrix constituents; regulatory factors in bone resorption; regulatory factors in cell culture; ultrastructure and morphology; and morphology, physiology, and chemistry.

**Network for Practice-based Research:** Abstracts should be submitted to this category if they are related to research performed in dental practice, away from universities or laboratories. This may include research on any topic performed in private, public, military or other dental clinics. It may be on topics such as the evaluation of materials, equipment or techniques both clinical and non-clinical, the evaluation of administrative and financial aspects of practice, social, epidemiologic and behavioral evaluation relevant to dental practices and many others.

**Neuroscience:** Abstracts should be submitted to this category if they are related to and involve investigations of neural regulation of development and neural plasticity, excitable membranes, synaptic transmission, neurotransmitters, receptors, neuro-endocrine, exocrine, autonomic regulation, sensory systems (especially pain), muscle and motor systems, and sensorimotor integration. The clinical interests of this subject area include clinical studies of orofacial sensation, such as pain, temperature, touch, taste, studies on jaw, facial, and oral reflexes, as well as more complex sensorimotor functions such as voluntary movement, mastication, swallowing, and speech. In addition, movement control and movement disorders such as orofacial dyskinesia or Parkinson's, and sleep-related orofacial disorders such as bruxism and apnea-snoring are relevant. Neuroscience/TMJ is also particularly concerned with all aspects regarding the measurement, mechanisms, diagnosis, and treatment of orofacial and TMJ pain and neuromuscular dysfunction.

**Nutrition:** Abstracts should be submitted to this category if they are related to research in the area of nutrition and oral/craniofacial health, and the consequences of oral/craniofacial dysfunction on general nutrition and health. The oral cavity is the site of many acute and chronic diseases and congenital anomalies—any or all of which may be linked to nutritional status. The Nutrition Group brings together dental scientists who are interested in sharing and exploring new avenues in this research discipline.

**Oral Health Research:** Abstracts should be submitted to this category if they are related to a broad array of basic, clinical, and applied studies related to: oral/dental hygiene strategies for the prevention of oral disease and the promotion of wellness; the outcomes of primary and secondary preventive care provided to and in collaboration with individuals and groups in a variety of settings; interdisciplinary approaches to integrating oral health into general health; clinical efficacy of professional and personal oral hygiene measures; methods to improve health outcomes of compromised patients through improved oral hygiene; the dental hygiene process of care; self-care strategies, including adaptations for special and culturally diverse populations, client-coping and practitioner caring dimensions, and promotion of healthful lifestyles; disease-prevention-/health-promotion-focused curricular models; science transfer methods; ethics and quality assurance; alternative patterns of practice; clinical decision-making; and issues related to the conduct of research, including approaches to subject recruitment and retention, protocol compliance, data management and monitoring, quality control, and study coordination.

**Oral & Maxillofacial Surgery:** Abstracts should be submitted to this category if they are related to basic and applied research dealing with the surgical and non-surgical management of: impacted teeth; residual ridge deformities and their reconstruction with grafts, alloplasts, and implants; dentofacial and craniofacial deformities; temporomandibular joint dysfunction; hard- and soft-tissue trauma; benign and malignant diseases of the soft and hard tissues, including salivary

glands; reconstruction of soft- and hard-tissue defects; infection of the face, head, and neck; nerve dysfunction; post-surgical pain and swelling; and wound healing and factors which affect it, as well as long-term follow-up data on research done in any of these areas.

**Oral Medicine & Pathology:** Abstracts should be submitted to this category if they are related to experimental investigation of diseases affecting the oral cavity and the adjacent tissues, but excluding those (e.g., periodontal disease, caries, salivary research) more appropriately dealt with by other Groups. Experimental investigations of normal structure are appropriate insofar as they contribute to our understanding of disease, and cell, tissue, and organ cultures are also included in this category. Epidemiological, clinical and laboratory research are encouraged.

**Pediatric Oral Health Research:** Abstracts should be submitted to this category if they are related to pediatric oral health research and report results of clinical, survey, in vitro, genetic, health services and qualitative studies related to pediatric/children's oral health. This includes but isn't not limited to cariology, pulp therapy in children, behavioral factors and study population characteristics of participants under 18 years of age, and caregivers of children.

**Periodontal Research:** Abstracts should be submitted to this category if they are related to periodontal and peri-implant tissues, epidemiology and diagnosis of periodontal diseases and peri-implant biological complications, etiological factors/microbiology, pathogenesis, of periodontal diseases and peri-implant biological complications, preclinical *in vivo* experiments and clinical trials to evaluate treatment of periodontal diseases and peri-implant biological complications, chemoprevention and chemotherapeutic approaches, patient reported outcome measures related to diseases of the periodontium and peri-implant tissues and their treatment.

**Pharmacology, Therapeutics, & Toxicology:** Abstracts should be submitted to this category if they are related to laboratory, clinical, public health, or epidemiologic research on the mechanism, nature, or treatment of diseases or disorders related to dentistry and the introduction of new drugs for the treatment of such entities may be submitted to PTT. Those dealing with the adverse effects of procedures, materials, drugs, devices, etc., used in the diagnosis, management, or treatment of such diseases or disorders are similarly appropriate. Toxicological studies of drugs, chemicals, and other agents pertinent to the field of dentistry, as well as the associated hazards of such agents, may also be included.

**Prosthodontics Research:** Abstracts should be submitted to this category if they are related to prosthodontics research and includes the following: fixed prosthodontics, removable prosthodontics, materials as they relate to prosthodontics in general, occlusion, TMJ research, implants, electromyography, basic and clinical applications to restorative dentistry in general, electrosurgery, ceramics, and acid-etch restorative dentistry.

**Pulp Biology & Regeneration Research:** Abstracts should be submitted to this category if they are related to studies on the development, structure, and function of the dental pulp, the dentin-pulp complex, and related periapical tissues. Studies may include methods in the following areas of analysis: autoradiography, radiography, molecular biology, and protein chemistry (genomics and proteomics), microbiology, immunology, physiology, biochemistry, and pharmacotherapeutics. Physiological and pathological processes involving these tissues include: signaling mechanisms in tooth development, dentinogenesis and dentin matrix proteins, wound healing and regeneration, as well as neural, vascular, and cellular responses to anesthesia, pain-producing stimuli, materials and instrumentation used in the restoration of teeth, and hereditary diseases. Also included are those related areas of clinical research pertaining to dentin and pulpal tissues from disciplines such as endodontics, pediatric dentistry, restorative dentistry (e.g., pulpal compatibility testing of dental restorative materials), periodontics (e.g., root dentin hypersensitivity), and oral and maxillofacial surgery.

**Salivary Research:** Abstracts should be submitted to this category if they are related to the morphology, biochemistry, physiology, endocrinology, development, and pathology of salivary glands; the composition, secretion, and functions of saliva; and the synthesis of salivary components. It may also include the effects of saliva on oral structures and micro-organisms—especially dental plaque and calculus—and the influence of such effects on oral pathological conditions—such as dental caries, periodontitis, mucositis, and ulcers—provided there is sufficient emphasis on the salivary factors.

**Student Training and Research (STAR) Network:** Abstracts should be submitted to this category if they are related to promoting, encouraging and fostering student research on a global level.

**Stem Cell Biology:** Abstracts should be submitted to this category if they promote and encourage investigation into stem cell biology, particularly in relevance to orofacial stem/progenitor cells. Abstract subjects should promote and encourage the development of stem cell therapies for the regeneration of orofacial tissues. Abstracts should provide an international and cooperative forum for the discussion of stem cell biology and regenerative dental medicine. Submitted abstracts should further promote translational approaches of stem cell biology into novel or enhanced approaches that benefit the health of patients who suffer from dental, oral and craniofacial diseases.

**Women in Science Network:** Abstracts should be submitted to this category if they are related to women's oral health and its association with general health, gender and health disparities, gender inequality in academia and research and women's leadership.

## NOTIFICATIONS OF ACCEPTANCE/NON-ACCEPTANCE

The official notifications will be emailed on or about **December 9, 2015 to all accepted presenters**. The notifications will include presentation mode assignment (oral or poster), date, and session time. An email containing your Final Presentation # will be sent after the Presenter Pre-registration deadline (late January 2016), to all registered, accepted presenters.

**PLEASE NOTE: All communication between AADR and the presenter will take place via email. The email address used will be the one you supply when submitting your abstract for the PRESENTING AUTHOR. Please make sure that you enter a valid, long-term email address so that you will receive all important notices that are sent from IADR regarding your abstract and presentation at the meeting.**

After **December 9, 2015**, the placement or rejection of your abstract cannot be changed and is considered final. Please do not call AADR regarding the status of your abstract prior to this date. After December 9, you can also view your abstract notification letter by logging into your ScholarOne Abstracts account's Message Center or you can email AADR if you did not receive your notification (email [meetings@iadr.org](mailto:meetings@iadr.org) or fax: +1.703.548.1883).

## PRESENTER PRE-REGISTRATION AND RATES

**All presenters are required to pre-register for the meeting by the presenter pre-registration deadline of January 14, 2016.** Failure to pre-register by this date will result in the withdrawal of your submission. Please plan accordingly. Also, if you plan on registering at the IADR membership rate, please make every attempt to complete your annual renewal in advance of the presenter pre-registration deadline to allow ample processing time.

### **AADR/CADR 2016 – Pre-registration**

<b>Type</b>	<b>Total Price USD</b>
Member Registration (pre-reg)*	\$495
Non-Member Registration (pre-reg)	\$865
Student Registration (pre-reg)*	\$195
Student Non-Member Registration (pre-reg)	\$295
Retired Members (pre-reg)*	\$195

\* Membership dues must be paid in full for the year **2016, on or before the pre-registration deadline** for you to qualify for the member registration fee. Registrants who are not current members by the date of the meeting will be charged the non-member fee, and IADR reserves the right to charge the difference. Affiliate members must upgrade to join or renew at the Member or Student Member category if presenting at AADR/CADR Annual Meeting.

## MODES OF PRESENTATION

At the time of submission, you will be asked to select your preferred mode of presentation. However, not all requests can be accommodated and the final mode of your abstract will be selected by the applicable Group Program Chair. If you only want to be considered for a poster presentation in the Exhibit Hall, please indicate this by marking the appropriate choice on the title step of abstract submission. Every effort will be made to honor poster only presentation requests. The AADR/CADR Annual Meeting will include presentations in the following modes:

### **Oral Presentation:**

- Up to six individual oral presentations in a meeting room.
- PowerPoint Presentations (all equipment provided).
- Presentations last 10 minutes; discussion after each presentation lasts five minutes.

- Two Session Chairs facilitate the session.
- Oral sessions will be scheduled Wednesday through Saturday.

**Poster Presentation:**

- Presented on a poster board in the Exhibit Hall.
- Actual poster presentation time is one hour and 15 minutes.
- Posters will be available for viewing all day on Thursday, Friday or Saturday.
- No audio-visual equipment is used.
- Poster sessions will be scheduled Thursday through Saturday.
- Session Chairs will be assigned to facilitate the session.

## ACCEPTED AND PRESENTED ABSTRACTS

Accepted and presented abstracts become part of a special online-only issue of the *Journal of Dental Research*, the journal for dental, oral and craniofacial research. Accepted and presented [meeting abstracts](#) are citable. The *Journal of Dental Research* follows the [International Committee of Medical Journal Editors](#) recommendations regarding the conduct, reporting, editing and publication of scholarly works and these recommendations are applied to meeting abstracts to the extent practical and possible.

## ADA CONTINUING EDUCATION RECOGNITION PROGRAM (CERP)

The International Association for Dental Research is an American Dental Association Continuing Education Recognition Program (ADA CERP) recognized provider. Delegates are eligible to receive continuing education credits by attending the scientific oral and poster sessions throughout the meeting. One hour of program time is equivalent to one credit hour. Forms will be printed in the Program Book for your convenience, and delegates are responsible for completing the forms accurately and keeping them for auditing purposes. (Do NOT return the forms to IADR.) For information on the ADA CERP program, please contact IADR Senior Manager, Publications & Abstracts Kourtney Skinner at [kskinner@iadr.org](mailto:kskinner@iadr.org).

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

IADR will announce the maximum number of continuing education credits available for this meeting when the scientific program is released (late January).

**ADA C·E·R·P**<sup>®</sup> | Continuing Education  
Recognition Program

## FREQUENTLY ASKED QUESTIONS

1. **Do I need to be a member of AADR to submit an abstract?** No. However, you do need to be a member in order to be eligible for some awards/competitions. You will also receive a reduced registration rate as a member of IADR/AADR. Your membership must be paid for 2016 in order to be eligible for the reduced member pricing. Members of IADR and any other Division are eligible for the member rate.
2. **How do I know if my abstract was successfully received?** In Step 5 of the submission process, you will be asked to review all information you have entered for your abstract. If there are any incomplete steps, you will not be able to submit your abstract and it will remain in Draft status until you reach full completion. You will be able to view a proof of your abstract in this step. You will also receive a confirmation email from the system following successful submission of your abstract. This confirmation will also be available in your ScholarOne Abstracts Message Center.
3. **Is there a word limit imposed on abstract titles?** Yes, all abstract titles must be 10 words or less.
4. **Is there a word limit imposed on abstract text?** Yes, all abstract text must be composed of 300 words or less.
5. **Can I change my Scientific Group/Network to a different group after I complete my submission?** Yes, you may return to your submission at any time prior to the abstract deadline to transfer your abstract to a different group by returning the completed abstract to Draft and editing the Scientific Group/Network selection in Step 2. Be sure to save your changes and resubmit your abstract. Draft abstracts will not be reviewed.
6. **What is the abstract deadline?** Thursday, October 15, 2015 (11:59 p.m. PST).
7. **Can I make changes to my abstract text after the deadline?** No. AADR does not permit modifications to abstract text after the deadline under any circumstances. It is very important that you submit an error free abstract text.
8. **If I forget to add an author, can I do so after the abstract deadline?** Yes, you can still add an author if necessary by emailing the [AADR Meetings Department](#). However, please make every attempt to add all authors during the abstract submission process.
9. **Can I submit more than one abstract (excluding session proposals/keynotes) as an abstract presenter?** No. AADR permits authors to submit one abstract only as a presenting author. You may be listed as a co-author on more than one abstract. If you submit more than one abstract as a presenter, you will be asked to delete one of the submissions. If your response is not received, one of the submissions will be automatically deleted and will not be reviewed.
10. **When I submit my abstract, how do I indicate my mode preference?** You will be asked to submit your presentation mode preference at the time of submission (oral, poster or no preference). AADR makes every attempt to provide you with your first choice, but there is no guarantee as a number of programming factors must be taken into account during the programming finalization process.
11. **Should I put the abstract title, authors and affiliations in the text of my abstract?** No. These items will be collected separately during the abstract submission process. References are not collected.
12. **Is there a limit on the number of co-authors that I can add to my abstract?** No.
13. **Can I submit previously published or presented work?** No, all abstracts must be original research. Abstracts cannot be submitted if the research represented by the abstract will be published and/or presented at any other national or international meeting prior to March 16, 2016.

14. **If I make a mistake during the abstract submission process, do I need to start a new submission?** No. You can make changes to your abstract submission at any time prior to the deadline by logging into your ScholarOne Account and return the abstract to Draft and selecting to Edit Draft. Se sure to save your changes and resubmit your abstracts. Draft abstracts will not be reviewed.
15. **Will AADR list my department in the Program Book?** No. AADR will only list the affiliation/institution of the presenting author in the Program Book due to space limitations. Please make every attempt to list your department/branch separately from your affiliation/institution record.
16. **Will AADR edit my abstract?** No. Once you submit your abstract, it will not be edited in any way for content. **Typographical or grammatical errors that appear in your abstract submission will also appear in the final online Scientific Program and in the USB of Abstracts.** Abstracts may be formatted only to follow AADR publication guidelines or requirements.