

Prosthodontics Research Group International Association for Dental Research Newsletter

April 2009

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Preview Highlights and Events for

IADR – Miami 2009

April 1-4, 2009

Miami Beach Convention Center

- **Arthur R Frechette Award Competition**

<http://iadr.confex.com/iadr/2009miami/webprogram/Session20824.html>

Wednesday, April 1, 2009: 2:30 PM-4:00 PM

Location: D238-239

(Winners will be announced at the business meeting)

- **Pre-Prosthetic Regenerative Science Award**

A Newly established, the extended abstract-based competition (see the detail report at below for the selected finalists.) *The winners will be announced at the business meeting. Check a website!!*

<http://dentalresearch.i4a.com/i4a/pages/index.cfm?pageid=3664>

- **Group Sponsored Symposium**

- **Oral Sensory Function in Aging**

- **Friday, April 3, 2009: 8:00 AM-9:30 AM**

- **Location: C123**

- Sponsored by: Behavioral, Epidemiologic and Health Services Research, Geriatric Oral Research, Prosthodontics Research

- <http://iadr.confex.com/iadr/2009miami/webprogram/Session20322.html>

- **Biological Response to Recent Implant Surfaces by New Technologies**

- **Saturday, April 4, 2009: 8:00 AM-9:30 AM**

- **Location: D131**

- Sponsored by: Implantology Research, Mineralized Tissue, Oral & Maxillofacial Surgery, Prosthodontics Research, the Korean Academy of Prosthodontics

- <http://iadr.confex.com/iadr/2009miami/webprogram/Session20307.html>

- **Keynote presentation of our group**

- **“New Horizons in Prosthodontics”**

- **N. GARRETT, University of California, Los Angeles (2008 Recipient of Distinguished Scientist Award, Research in Prosthodontics and Implants)**

- **Friday, April 3, 2009: 8:30 AM**

- **Location: D129**

- <http://iadr.confex.com/iadr/2009miami/webprogram/Paper121487.html>

- **Prosthodontics Group Business Meeting**

- **Thursday April 2 5.00 pm – 6 pm**

- **Convention Center – D229-230**

- **Prosthodontics and Implantology Group Joint Reception**

- **Thursday April 2 – 6pm to 7.30pm**

- **Convention Center - D34**

- **Prosthodontics Executive Officers Meeting**

- **Thursday April 2**

- **7:00-8:00 AM**

- **Convention Center – Room A103**



From the President

Neal Garrett

I feel particularly honored to have the privilege to serve as President of the Prosthodontic group this past year. The dynamic growth and international diversity that the group has experienced since my first term as President ('96) has resulted in exceptional opportunities for both scientific and social interaction at the Annual meetings. And this year, the potential for interaction among the membership has been taken to a new level, by President-Elect Asbjorn Jokstad. Asbjorn has not only developed and implemented the framework of a very versatile website for the group; he has placed an exceptional amount of content there for your perusal. He has also graciously offered to try and implement ideas you may have for further utilization of the site. Please join me in giving Asbjorn a sincere thank you for his tremendous effort for the Prosthodontic Group, and let him know of your ideas. And if any of you have skill in this area, we would appreciate your offer of help for future site maintenance and expansion.

Looking forward to the impending annual meeting in Miami, we have an exceptional program organized by Program Chair Steve Rosenstiel, with the great support of reviewers Dan Nathanson and Ken Kurtz. I would like to point out that we are co-sponsoring two exceptional symposia, 'Oral Sensory Function in Aging' on Friday at 8am, and 'Biological Response to Recent Implant Surfaces by New Technologies' on Saturday at 8am.

Both of our research competition awards, the Frechette Novice Investigator Award and the Pre-Prosthetic Regenerative Science Award, have continued to attract high quality submissions, thanks to the strong efforts of Committee Chairs, Steve Rosenstiel and Tak Ogawa respectively. We have



continued to benefit from the generous support of the Whip Mix Corporation for the Frechette Novice Investigator Award. Please take a moment of your time at the meeting in Miami to offer your thanks and recognition. In addition to these ongoing research awards, the Executive Committee is considering the development of a new student research award to fund small, innovative projects in Prosthodontics, which would then be presented at a subsequent meeting. We will bring you more information on this potential program at the Prosthodontic Group Business meeting in Miami.

In closing, I would like to recognize all the members of the Executive Committee of the Prosthodontic Group for their efforts to further the interests of our group. As in most organizations, a key to success is an exceptional Secretary and Treasurer, and we have been fortunate to have Tak Ogawa be just that, 'exceptional'. In addition, Keiichi Sasaki, Wael Att and Kazuyoshi Baba have been active and supportive Directors.

See you in Miami!

What's new!!

We have got a webmaster, Asbjorn Jokstad

Check this out right now

<http://www.iadr-prosthodontics.org/>

The official website of the prosthodontics group, www.iadr.org/prosthodontics was launched in January 2009.

We hope the website presents information that may be helpful for all our group members. On

the welcome page you will find links to the prosthodontic group activities during the IADR Miami meeting.

[About Us](#) lists the names and email addresses of the current officers and a description of their responsibilities.

[Governance](#) includes the constitution and a list of the past group presidents hyperlinked with their email addresses

[Awards and Grants](#) presents details about our 3 awards, i.e. the Pre-Prosthetic Regenerative Science Award for Young Investigators, the Arthur R. Frechette Award and the Research in Prosthodontics and Implants Award. The list of past winners will be hyperlinked with their email addresses in the future.

[Upcoming Meetings](#) shows a schedule of international events in prosthodontics

[Annual activities](#) comprise links to all the past symposia, keynote presentations and lunch&learning sessions organized by the prosthodontics group since the 2001 Chiba meeting

[Newsletters](#) include the past issues back to 1999



[Related Links](#) lists research and education organizations and journals

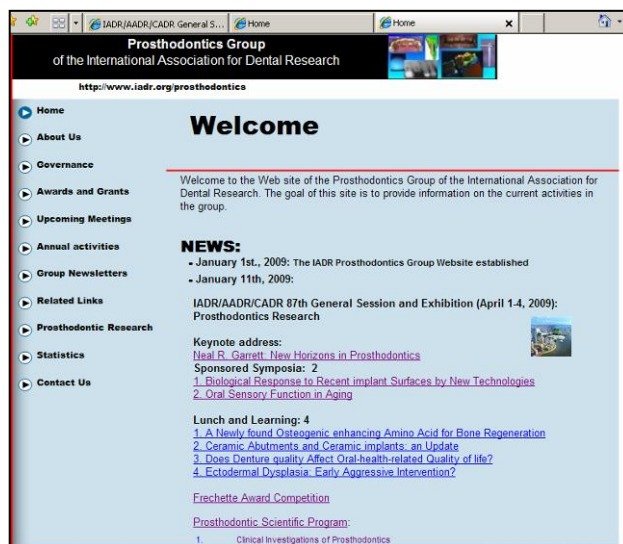
[Prosthodontics Research](#) contain hyperlinks to all the prosthodontic sessions in scientific programs of the IADR meetings since 2001 in Chiba

[Statistics](#) presents some facts and figures about the group activities in the past IADR meetings

[Contact us](#) display who to contact in the group regarding particular questions and issues

The website has been designed and constructed by Dr Asbjorn Jokstad, University of Toronto. Some of you may have already seen that the development has been done in parallel with the Implantology Research Group website www.iadr.org/implantology.

It is important that our website becomes a valuable resource for all, and not just a repository of past achievements. If you have suggestions for improvements, new ideas, articles, interesting facts, new information, new links or corrections please email them to Dr. Jokstad at: a.jokstad@dentistry.utoronto.ca



● Prosthodontic Executive Officers 08-09

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● A Report from 2008 IADR – Toronto

Prosthodontics Group Business Meeting and Reception
Thursday July 3, Convention Center, Toronto

Approval of 2007 Minutes - Accepted

Present – Neal Garrett, Takahiro Ogawa, Mark Thomason, Stephen Rosenstiel, Keiichi Sasaki, Ziad Al-Ani, Asbjorn Jokstad, Wael Att, Kazuyoshi Baba, active members, student members and guests of the group.

1. **Opening remarks** by President Mark Thomason
2. **Councillor's Report** - Neal Garrett (see "Detailed Reports")
3. **Secretary/treasurer's Report** – Takahiro Ogawa Financial Report for 2007 (see "Detailed Reports")
5. **Frechette Competition** - Steve Rosenstiel (see report)
5. **Pre-prosthetic Regenerative Science Award Competition** – Takahiro Ogawa (see the report)
6. **Nominations Committee Report** – Mark Thomason, Chair
7. **Elections** – Mark Thomason made a motion to vote for the slate of 2008-09 officers by acclamation. The motion carried by unanimous vote.
8. **Installation of Officers** - Dr Mark Thomason installed Dr Neal Garrett as new President of the Prosthodontics Group for 2008-09.
9. **Adjournment** - The meeting was adjourned by Dr Neal Garrett.



**Annual Financial Report (2008)
Secretary-Treasurer Report**

Takahiro Ogawa

As of December 2007, Central Office indicates 488 of our members (IADR Members-173, AADR Members-101, IADR Students – 145, AADR Students – 69), which has increased by 43 members from the year of 2006. Also, according to the IADR data base, 177 members (100 out of 177 were in the student status) were lapsed (did not renew) from the membership of Prosthodontics Group. These meant that we welcomed 220 new members in the year of 2007.



The annual newsletter of our group was emailed 2 weeks before the Toronto General Session. Even with the most updated list of the members, email addresses of approximately 20 members are missing, and 25-30 emails were bounced back to the sender. Those who did not receive the newsletter via email picked up at our annual business meeting on Thursday, July 3, 2008.

Prosthodontics groups showed robust presence in the 2007 New Orleans Meeting by hosting two symposia as a primary sponsor: “Nano- and molecular-design of titanium implants” organized by Dr. Takahiro Ogawa; and “Status of Laboratory Studies for Predicting Clinical Behavior” by Dr. Robert Kelly, one of our past presidents. We also hosted two lunch and learn sessions “Novel Surface Properties of Titanium beyond Chemistry and Topography: How Do We Study Them?” by Dr. Takahiro Ogawa, and “Zirconia-based All-ceramic Restorations: Strength, Longevity, and Future Research” by Dr. Wael Att. We appreciate the efforts of these organizers to make the activity of our group high and visible.

The Group remains in a strong financial position with a current balance of approximately \$40,000 at the end of the 2007 calendar year. I would like to express our gratitude to Whip Mix Corporation who has continued to support the Frechette Award Competition with its \$1000 grant. We would like to thank Japanese Society of Prosthodontics for its support for the symposia and newly-launched Pre-Prosthetic Regenerative Sciences Award with a gift of \$5000. We also would like to offer a sincere appreciation to Implantology Group for giving

us an opportunity to have a joint reception under their financial coverage. Dr. Clark Stanford, Secretary of Implantology Group, particularly, have dedicated to manage this joint reception for the past several years, building a great relationship between the groups and inter-group networking among the researchers.

Financial Report for calendar year 2007

Balance as of 12/31/06	\$39,445.26
Amount of annual dues per member (the subgroup)	\$18.00 (\$14 for the subgroup)
Income \$	
Dues	\$5,820
Whip Mix	\$1000
Japan Prosthodontic Society	\$5,000
Interests	\$384.00
Total Income	<u>\$12,204</u>
Expenditure \$	
Frechette Award	\$2,000.00
Regenerative Science Award	\$1,800
Symposium	\$8,000
Other	\$300
Total Expenditure	<u>\$12,100</u>
Balance as of 12/31/07	\$39,549.98

**Councillor Report
IADR and AADR**

Neal Garrett

The IADR Council meeting was held on Wednesday, July 2, 2008, in Toronto and the AADR Council meeting was held Tuesday, April 1, 2008, in Dallas. Your Councillor attended both meetings. Highlights from both meetings are combined below by content.



The joint IA/AA/CADR annual meeting in New Orleans , March 21-24, 2007 was a great success, both scientifically and financially. Total registration was 4,632 people from 61 countries. There were 3,074 abstracts presented.

Elections

The following election results were announced. Online voting continues to be a high percentage of the total

votes received, and the process went smoothly with the new vendor, Intelliscan.

IADR Vice-President	Maria Fidela de Lima Navarro
AADR Vice-President	David Wong
AADR Rep to the IA/AA Publication Committee	Mina Mina

In addition, candidates for the IADR Vice-President were announced as Francois A. De Wet (South Africa), Dianne Rekow (USA), and George Seymour (New Zealand).

AADR nominations for VP : Mathew Doyle
Jeffrey Ebersole
Carla Evans

AA Publications committee nominations	Thomas Dodson Keith Kirkwood
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The Constitutional Amendment regarding Regionalization passed. This regional structure includes five regions; Asia/Pacific, Africa/Middle East, European, Latin America, and North America. Some of the larger regions may be subdivided in the future.

The winners for the 2008 IADR Distinguished Scientist Awards were announced, and Neal Garrett received the Distinguished Scientist Award for Research in Prosthodontics and Implants.

Meetings

The IADR General Session rotation cycle calls for the meeting to be held in Africa/Middle East Region in 2014. Cape Town, South Africa was found to be the most economical site, similar to Brisbane for convention facilities, and was approved.

There was discussion to change the meeting times for the IA meeting to June/July every year (beginning around 2015).

The AADR meeting for 2014 will be in Charlotte, North Carolina. Other sites evaluated included Baltimore and Philadelphia.

Finances

Treasurer Angus Walls reported there will be increase level of support for the tiered dues structure to support

members in developing countries and provide dues stability for at least 2-3 years. Support for students and offset of registration fees for tier-member countries is on hold due to budget uncertainty.

For the IA, 2007 net income was \$26K below budget, with a 4% decrease in members and 16% decrease in student members. Overall, there was a \$130K budget deficit due to the drop in JDR revenue and the small surplus from the New Orleans meeting. For 2008, it will be necessary to have a good return from the Toronto meeting to achieve a small budget surplus. For the 2009 and 2010 budget years, current projections are for a surplus of \$80K to \$100K for these years. With fluctuating exchange rates and increases in the costs for facilities in Barcelona, these projections will need to be revised.

Progressive increases in dues are being seen as the best way to maintain budget stability, and lessen the reliance on meeting income. Tier 1 member dues will increase by \$10 in 2009 and another \$10 in 2010.

The portfolio has had sustained growth for the last 15 years, with a balance of just over \$8M USD at the end of 2007. Obviously, the portfolio is likely to sustain a loss in 2008, and the extent will be reported in Miami in 2009.

The 2006 Independent Auditors report was reviewed and the favorable report was approved.

Journals

Journal Editor, Tony Smith, reported that the Journal is healthy. The scientific impact factor (SIF) was up slightly at 3.416. There was a 35% increase in submissions in the first five months of 2008. Currently have open access for all volumes prior to the past 12 months. The challenges are the institutional subscriptions, since many journals are now being packaged together in consortium deals to the institutions by the publishers. The goal for JDR is to produce a \$200k surplus per year. It is thought that the only way to achieve this revenue is to move to a commercial publisher, in order to benefit from the economy of scale and participation in consortia agreements. IA/AA would retain ownership and the editor/peer review system would be retained. The organization is considering a 5 year contract that provides for an additional \$200k per year in income.

NIH funded articles will be submitted to the NLM-Pubmed Central on behalf of authors by the Journal. There will be no charge to IADR members for this service. Non-members will pay \$75. An author may also pay to have an article released to free

access immediately upon publication. The charge will be \$3,800 for IA/AA members and \$4,300 for non-members.

AA budget audit for 2005-6 reported net assets improved by \$600K, mostly due to portfolio increases. The 2008 budget will be hurt by the Dallas meeting not achieving projected registrations. The meeting was about 400 registrations short of the 2000 projected. The AA portion of the portfolio (\$6.3M) was already showing a loss of around \$240K.

Additional Items

Sections for Ecuador, Colombia and Chile were approved. The status of the Egyptian Division was revoked due to its inability to fulfill its obligations as a Division (lack of membership and no communication). The IADR Practice-based Research Network was approved.

The AADR reviewed the Joint Efforts on Legislative Affairs with ADEA. The decision was made, in consultation with ADEA to establish their own government or legislative affairs advisory committees. The AADR approved establishment of their own Government Affairs Committee to study government issues and advice the Board and Council on potential effects on dental research. AADR and ADEA will continue to collaborate on public policy initiatives.

meeting in Toronto, Canada. The Frechette is the annual research competition for new investigators sponsored by the Prosthodontics Group of the International Association for Dental Research and honoring the memory of Arthur R. Frechette who served as Secretary-Treasurer of the IADR from 1968 until 1977. The winners were Dr. Andreas Rathke, University of Ulm, Germany, for his study entitled "Fiber Post Bonding Effectiveness to Root Canal and Composite Core" and Dr. Naoko Sato, University of California Los Angeles, USA for her study entitled "Control of oral fibroblast growth and function by N-acetyl cysteine". The individuals pictured are (left-to-right) Mr. Allen Steinbock, President, Whip Mix Corporation; Dr. Naoko Sato, Frechette Award Winner; Dr. Fumio Suehiro, Hiroshima University, Japan, Frechette Award Finalist; Dr. Arne Boeckler, Martin-Luther-University, Halle/ Saale, Germany, Frechette Award Finalist; Dr. Mohammed Khalil Fahmi, Boston University, MA, USA, Frechette Award Finalist; Dr. Andreas Rathke, Frechette Award Winner, and Dr. Stephen F. Rosenstiel, Frechette Coordinator IADR Prosthodontics Group. Not pictured is Dr. Jie-Fei Shen, Sichuan University, Chengdu, Sichuan Province, China who was unable to present his research due to visa restrictions. In addition to the plaques Drs. Rathke and Sato each received a check for \$1000 thanks to the generous support of the Whip Mix Corporation.

Nominations Committee Report

Mark Thomason

Slate as listed above was accepted by unanimous vote.



Frechette Award Presentation 2008 and 2009 Preview

Stephen Rosenstiel

The winners of the 2008 Frechette Awards were recently presented at the International Association for Dental Research annual



See <http://dentalresearch.i4a.com/i4a/pages/index.cfm?pageid=3432> for the detail of the award and eligibility of the application.

At the [2009 Miami meeting](#), 144 papers (36 Orals, 108 Posters) and our keynote speaker (Dr. Neil Garrett presenting "[New Horizons in Prosthodontics](#)") were scheduled for the Prosthodontics Group out of a total of 3585 papers. Ten of these papers (1 Oral and 9 Posters) were withdrawn by the authors. There were 155 submitted representing a 7.1% rejection rate. Several of the accepted papers benefited from the English Language Assistance Program.

The 144 papers were scheduled for 6 oral ([Arthur R. Frechette Research Awards Finalists](#), [Clinical Investigations of Prosthodontics](#), [Properties of Zirconia and Clinical Evaluations of Ceramic Restorations](#), [Properties of Fixed Prosthodontics](#), [Outcomes of Prosthodontic Investigations and Biological Investigations](#), and [Esthetic and Functional Considerations in Prosthodontics](#).) and 5 poster sessions ([Removable Prosthodontics](#), [Restoration of Endodontically Treated Teeth and Prosthodontic Outcomes](#), [Maxillofacial and Implant Prosthodontics](#), [Outcomes Studies and Biological Prosthodontic Research](#), and [Fixed Prosthodontics, Esthetics and Systematic Reviews](#)).

2009 Arthur R. Frechette Research Awards Finalists

Wednesday, April 1, 2009: 2:30 PM-4:00 PM
Location: D238-239

Bone Regeneration Induced by Functional Peptide SVVYGLR
Y. KANEDA, H. EGUSA, Y. AKASHI, S. ASHIDA, Y. HAMADA, and H. YATANI, Osaka University, Suita-city, Japan

Does Minimum Opening Position during Chewing Coincide with Intercuspal Position?
Y. IWASE, H. HAYASAKI, I. SAITO, Y. YAMASAKI, and K. SUGIYAMA, Kagoshima University Medical and Dental Hospital, Kagoshima, Japan

New Signature of Osseointegration: Does Vitamin-D Deficiency Change Expression Profiles?
C.M. MENGATTO and I. NISHIMURA, The Weintraub Center for Reconstructive Biotechnology

Failure modes of two Implant-supported oxide-ceramic Fixed-Partial-Denture Systems

C.F. STAPPERT, M. CABRERA, M. BALDASSARRI, B. KIM, J. PEREZ, M. PINES, and V. THOMPSON, New York University

Fatigue Damage and Micro-Leakage Study of Resin-Based Composite Crowns
N. DAVYDOVA¹, V. THOMPSON², and Y. ZHANG¹, ¹New York University, New York, NY, ²PEARL Network, New York University, College of Dentistry

Influence of Contamination and Cleaning on Bond-Strength to Modified Zirconia
J.-H. PHARK, S. DUARTE, Jr., M.B. BLATZ, and A. SADAN, Case Western Reserve University

● **Pre-Prosthetic Regenerative Science Award Presentation 2008 and 2009 Preview**

Takahiro Ogawa



IADR (International Association for Dental Research) Prosthodontics Group established this award in 2007 under the strong leadership of Dr. Takahiro Ogawa. The award is called Pre-Prosthetic Regenerative Science Award for Young Investigators. The award recognizes original research by new investigators in the multidisciplinary field of pre-prosthetic or prosthodontics-related regenerative science, including tissue engineering, bone, tooth and soft-tissue regenerative sciences, graft materials research, maxillofacial reconstructive biology and physiology and implant biological research. The awards are co-sponsored by the IADR Prosthodontics Group and Japan Prosthodontic Society. The abstracts must be submitted to the Prosthodontics Group Poster Session, and the selected finalists will be asked to submit a 5-page extended abstract to complete. Awards will be presented during the annual business meeting of the group during the IADR General Session. See the detail at <http://www.dentalresearch.org/awards/preprost.html>. The 2008 First Place Winner was awarded to Dr. Masahiro Yamada for his study entitled "A newly-found osteogenic enhancing molecule for bone regeneration". The Second Place Award went to Dr. Takeshi Ueno for his work on "N-acetyl cysteine protects osteoblastic function from oxidative stress".

The individuals pictured in the left panel are Dr. Takahiro Ogawa, Pre-Prosthetic Regenerative Science Award Coordinator and Secretary/Treasurer IADR Prosthodontics Group, Dr. Masahiro Yamada, First Place Winner, and Mark Thomason, President IADR Prosthodontics Group (left-to-right). The right panel shows Dr. Takeshi Ueno, Second Place Winner, and Drs. Mark Thomason and Takahiro Ogawa (left-to-right).



The reports from the Frechette Award Competition and Pre-Prosthetic Regenerative Science Award Competition were published in 2008 on Journal of Prosthetic Dentistry, International Journal of Prosthodontics, and Journal of Prosthodontics. We greatly appreciate these journals for sharing the excitement and celebration of the awards for young investigators in the field of prosthodontics.

For 2009 Miami Meeting, 4 finalists have been selected and have submitted the extended abstract for competition. The finalists are Dr. Akashi for "Cyclic Pressure Affects Cytokine Production in Human Gingival Fibroblasts", Dr. Ribeiro for "Photodynamic Therapy cytotoxicity using Photogem and LED on normal cells", Dr. Suzuki for "UV-treated titanium is more bioactive than freshly prepared titanium and Dr. Silva for "Antifungal susceptibility of Candida albicans biofilm on Poly(methyl-methacrilate)". The first and second place winners will be announced in the Prosthodontic Group Business Meeting on Thursday 5 PM April 2nd.

● Toronto Reception

Takahiro Ogawa,



The Prosthodontics and Implantology Group Reception was held on Thursday July 3rd in the Toronto Convention Centre. Guests enjoyed a buffet and drinks at this popular opportunity to meet and socialize with others attending the Annual meeting from all over the world.

Now I am looking forward to seeing you at the Reception in Miami soon. It will be held on Thursday, April 2nd evening 6:00 to 7:30PM, immediately after the Business Meeting. Come and Join us!!

In the end, my term as a Secretary and Treasurer of the group ends this time. It has been an honor to participate in this legacy group and work with wonderful people. Finally, I would like to express my deepest gratitude to all our members for their participation and support to our group.

IADR/AADR Prosthodontics Group

Takahiro Ogawa, DDS, PhD

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