

# Prosthodontics Research Group

## *International Association for Dental Research*

### **Newsletter**

July 2010  
*edited by Cortino Sukotjo*

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#### **PREVIEW HIGHLIGHTS AND EVENTS FOR IADR BARCELONA 2010**



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#### **GROUP SPONSORED SYMPOSIUM**

- **SATURDAY, JULY 17, 1:45 PM – 3:15 PM, Room 129 (CCIB).** *Critical Issues for Reconciling Disparities and Enhancing the Validity of Systematic Reviews.* Sponsored by: Evidence-based Dentistry Network, Implantology Research, Prosthodontics Research

- **THURSDAY, JULY 15, 9:00 AM - 10.30 AM, Room 116 (CCIB).** *Functionalized Biomaterials for Prosthetic and Reconstructive Dentistry.* Sponsored by: Dental Materials, Implantology Research, Mineralized Tissue, Periodontal, and Prosthodontics Research

#### **LUNCH AND LEARNING PROGRAM**

- **THURSDAY, JULY 15; 1:15 PM – 2:30 PM. Table #13: *New Concept of Peripheral Mechanisms of Chronic Orofacial Muscle Pain: Abnormal Intramuscular Perfusion/ metabolism Theory.*** Speaker: Kenji Maekawa, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan  
**Description:** Despite the clinical significance, the underlying mechanisms of chronic muscle pain are still unclear. This session will look at its mechanisms from the standpoint of the abnormality of intramuscular hemodynamics, metabolic state, and adrenergic receptor activity. Each factor's contribution for producing the pain conditions will be discussed.
- **FRIDAY, JULY 16; 1:15 PM - 2:30 PM Table #28: *Zirconia in Prosthetic Dentistry: Update on Design Modifications, Veneering Techniques and Cooling Parameters.***

Speaker: Petra Guess, University of Freiburg, Germany

**Description:** Zirconia based restorations are increasingly used in prosthetic dentistry. However veneer fractures are the most common failure and clinical long-term data is not available yet. The current knowledge on zirconia based restorations will be discussed. Significant recommendations for clinical application as well as future research will be provided.

### **MEETING AND COMPETITION**

#### **Frechette Award Competition**

9-10:30AM, Wednesday, July 14, at CC room 124-125

#### **Prosthodontic group Executive Officer meeting**

8-9AM, Thursday, July 15, at CC room 218

#### **Prosthodontic group Business meeting**

6-7PM, Thursday, July 15, at CC room 124-125

#### **Prosthodontic and Implant group joint reception (supported by Panasonic)**

7PM-, Thursday, July 15, at CC room 115

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### **Remarks from the President**

*Asbjorn Jokstad*



About a decade ago my two senior mentors and I boldly proposed a definition of prosthodontics as being: *“The discipline of dentistry concerned*

*with the consequences of congenital absence or acquired loss of oral tissues on appearance, stomatognathic function, comfort, and local and general health of the patient, and with the methods for, and assessment if more good than harm is done by, inserting artificial devices made from alloplastic materials to change these conditions”* (Jokstad A, Orstavik J, Ramstad T. Int J Prosthodont 1998; 11: 295-301).

This attempt of an all-encompassing definition of prosthodontics may appear to limit the emphasis to clinical aspects, but further efforts to amend the text to reflect the multitude of research avenues that forms the foundation for prosthodontic practice complicated further the somewhat verbose definition.

Therein lays the challenge of understanding what constitutes “prosthodontic research”. Is there such thing as “core prosthodontic research” unique to our special group? When is the research on developing e.g., new CAD-CAM processing methods “Prosthodontic research” as opposed to e.g., “Dental Material research”? The same enigma applies to ongoing developments in ceramics, cements, base alloys and polymers.

The largest number of abstracts at any previous IADR meeting was in San Diego in 2002 when there were 4027 abstracts, of which 231 (5.7%) were in prosthodontic sessions. The highest relative proportion of presentations in prosthodontic sessions was 7.0% in 1996 in San Francisco with 233 out of 3331 abstracts. Examine the statistics section on the prosthodontics group website: <http://www.iadr-prosthodontics.org>). Since then the proportion of the total number of abstracts has dropped to 5% and 4.5% which can perhaps be interpreted as prosthodontic re-search is faltering?

However, when appraising the program in Barcelona there are numerous examples of presentations and topics that clearly are central issues in prosthodontics, which are being presented in other IADR special group sessions. More than 10 sessions/presentations within the sessions organized by the Implantology and several of the Dental Materials subgroups are essential questions in everyday prosthodontic practice. The same can be stated for between 3 to 10 sessions/presentations within the sessions organized by the Cariology research, Diagnostic sciences, Education research, Microbiology / Immunology, Mineralized Tissue, Nutrition, Oral Health Research, Periodontal Research, Pulp Biology & Regeneration Research, and Salivary Research. I would recommend also all to check out the presentations in the following sessions:

Bisphosphonates and ONJ.  
Session 13. Oral and maxillofacial surgery group.

Bone augmentation. Sess.71 & 149 Oral and maxillofacial surgery group.

Oral Health & Quality of Life Sess. Sessions 258 & 371. Behavioral, Epidemiol., & Health Services Res.

Muscle Development. Sess. 328 Craniofacial Biology.

Assessing OH for Older Patients. Sess. 9. Geriatric Oral Research

Various Aspects of Muscle Use. Sess. 230. Neuroscience

Happily, the number this year of prosthodontic sessions is a record high 22, which seems to have changed the decreasing trend seen over the last few years. Since the Honolulu meeting in 2004 when there were 17 sessions, the number decreased successively to 16, 10, 16, 11 and only 10 last year in Miami. (Statistics from the IADR prosthodontics

group website: <http://www.iadr-prosthodontics.org>)

Clearly, it can be concluded that the research activities within issues relevant to prosthodontics is not faltering, but seems to be very much active and sound.

Another consideration, however, is whether the confusing distribution of presentations, as exemplified by the distribution of topics relevant to prosthodontics, may be a barrier to translational research within IADR. NIH describes on their roadmap website that: *"To improve human health, scientific discoveries must be translated into practical applications. Such discoveries typically begin at "the bench" with basic research — in which scientists study disease at a molecular or cellular level — then progress to the clinical level, or the patient's "bedside".* Perhaps an alternative to today's IADR special group compositions should be reconsidered since the current nosology of the IADR special group is very mixed. Most of the groups are identifiable by the management of patients with a particular orofacial condition, (i.e., prevention, diagnosis, etiology, interventions and prognosis) either on the individual or the public level, i.e., Cariology, Craniofacial Biology(Orthodontics), Neuroscience (Pain), Oral Medicine and Pathology (this year mostly on cancer), Oral and Maxillofacial Surgery, Prosthodontics, Periodontal Research and TMD. Obviously, there are multiple trans-disciplinary overlaps. Moreover, a focus on physiology, anatomy and immunology is maintained in the Microbiology/Immunology, Mineralized Tissue, Pulp Biology and Regeneration and Salivary Research, topics that are fundamentals for patient management innovations. The prevention, diagnosis and patient behavior focus is duplicated in three groups, i.e., Oral Health

Research, Diagnostic Sciences and the Behavioral, Epidemiologic and Health Services Research while “techniques and materials” foci are at the core of the Dental Anesthesiology Research, Pharmacology, Therapeutics & Toxicology, Implantology and the many Dental Materials subgroups. One special group is defined by the age of the patients, i.e. Geriatric Oral Research. The Nutrition group is also rather unique in that the whole range of etiology and/or interventions and/or outcomes are covered. Finally, the two IADR networks are labeled according to a particular research methodology, i.e., the Evidence-based Dentistry and the Practice-based Research groups. I believe that to improve translation research within IADR it would make intuitively sense to rather redefine dental research along the patient condition -- intervention and procedure -- basic sciences axes. Food for thoughts...

I would encourage you to attend our two symposiums we have organized this year together with the Dental Materials, Implantology Research, Mineralized Tissue and Periodontal Research groups (Functionalized Biomaterials for Prosthetic and Reconstructive Dentistry on Thursday) and with the Evidence-based Dentistry Network and the Implantology Research group (Critical Issues for Reconciling Disparities and Enhancing the Validity of Systematic Reviews on Saturday).

I'm also happy to broadcast that Dr. Gunnar E. Carlsson, professor emeritus in prosthodontics at the University of Gothenburg in Sweden has been honoured this year by winning the Acta Prize. He will deliver a prize lecture titled “*A critical review of some dogmas elated to Prosthodontics, Occlusion and TMD*”. If somebody can be regarded as an authoritarian voice on this topic it would be Dr Carlsson. I strongly urge everyone to attend his ACTA prize

lecture on the Friday at 09.00 and to congratulate him with his achievements in prosthodontics over the many, many years, which also include the IADR Research in Prosthodontics Award in 1975.

A special thanks goes to Mr. Slawek Bilko, president of the Lindberg Homburger Modent Dental Studios in Toronto for fabricating a new cast cp4 Titanium medallion to supplement the existing one made in 1990 and brimming with past group presidents' signatures ([http://www.iadr-prosthodontics.org/index\\_files/badge1.jpg](http://www.iadr-prosthodontics.org/index_files/badge1.jpg)) and [http://www.iadr-prosthodontics.org/index\\_files/badge2.jpg](http://www.iadr-prosthodontics.org/index_files/badge2.jpg)).

Finally, I would like to thank my co-councilors for their engagement in the prosthodontics group since the Miami 2009 meeting. Dr. Takahiro Ogawa is thanked for the first rate work done over this year, as he has done in previous years. Special thanks go to Dr Dan Nathanson, who has done a sterling job for selecting abstracts and assisting authors for this year's meeting. A particular thank you goes to the councilors that continue to organize the prosthodontic group awards and prices and to our sponsors:

Dr. Takahiro Ogawa, coordinator for the *Pre-Prosthetic Regenerative Science Award for Young Investigators*, co-sponsored by the Japan Prosthodontic Society

Dr. Stephen Rosenstiel for administrating the *Arthur R. Frechette Award*, supported by the Whip Mix Corporation

Dr Wael Att, who has helped setting up the *Student Research Fellowship*, sponsored by the VITA Zahnfabrik.

On behalf of the prosthodontics group I would also like to thank Astra Tech for their continuing support to sponsor the IADR Research in Prosthodontics and Implants Award, administrated by the

IADR Distinguished Scientists Awards Committee.

The Prosthodontic and Implant group joint reception this year is fully funded by Panasonic. Thank you to Panasonic for this support and to our director-at-large Dr. Kazu Baba for obtaining this sponsorship.

As my year as president of the prosthodontics group comes to an end I wish to thank you for the honour you have given me by serving as your president. I look forward seeing everyone in Barcelona and wish everyone a safe journey.

Best regards  
Asbjorn

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**Prosthodontic Executive Officers  
2009 -2010**

**President**

***Asbjorn Jokstad***

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**Immediate Past President**

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**Councilor-AADR**

***Stephen Rosenstiel***

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**Frechette Award Coordinator**

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**Pre-Prosthetic Regenerative  
Science Award Coordinator**

***Takahiro Ogawa***

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**Directors:**

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**Group Program Chair Review**

*Dan Nathanson*

Dear Colleagues,

The 2010 IADR Meeting in Barcelona drew an unprecedented number of abstract submissions to our group. Initially about 350 submissions were recorded but some submissions were transferred to other more Research Groups that were more appropriate for the subject. The abstract reviews in the past were usually done by 2-3 reviewers and the Program Chair. This year the Pros submissions for the Barcelona meeting necessitated a larger number of reviewers, so the list included Professors Wael Att, John Bowley, Daniel Edelhoff, Kenneth Kurtz, and Steve Rosenstiel. Each submission was reviewed by at least 2 reviewers. As Chair I scrutinized reviews that were in disagreement (very few), and especially the rejected papers. I must state that all rejections were well justified and documented. Overall, our rejection rate was slightly higher than for the rest of IADR

The IADR allocation of Oral Presentations gave us a total of 9 sessions during the 4 days of the 'stretched' program (Starting early on Wednesday and ending somewhat late on Saturday). Below is a summary of our Oral Sessions:

Wed Jul 14

- 9-10:30 Frechette Award Finalists
- 10:45- 12:15 Edentulous Patients
- 1:45-3:15 Veneer-Core properties in All-Ceramic Restorations
- 3:30-4:45 Osteogenesis, Biological Effects (5 papers)

Thu Jul 15

- 11:45-1:15 Margin and Internal Fit of Restorations

Fri Jul 16

- 9-10:30 Occlusion, TMD and Quality of Life
- 11:45-1:15 Clinical Performance: All-ceramic restorations

Sat Jul 17

- 9-10:30 Smile Esthetics, Appearance
- 11:45-1:15 Factors in Clinical Success

The rest of the approx. 350 papers are included in the Poster Sessions. Many of the poster presentations would be eligible for oral presentations, but the lecture hall and session allocations imposed limitations.

I'd like to take this opportunity and express my sincere gratitude to all reviewers for kindly accepting the time consuming task of reviewing multiple papers and doing a great job in assessing and scoring the submissions.

Respectfully,  
Dan Nathanson

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**Counselor Report  
IADR**

*Mark Thomason*

The IADR Council meeting was held on Tuesday, 31 March, 2009, in Miami. Your Councilor attended the meeting on the Tuesday afternoon from 1-5pm. Much of the meeting was undertaken using a consent agenda resulting in very little discussion being undertaken by the body of the Council. Rather presenters reflected on specific points from their overall reports the full text of which can be found at (The address will be needed). Specific thanks were given by the Vice President David Williams who singled out the great team working in Alexandria. There was

what looked like a good programme for Miami and thanks were expressed for the extensive work of the group programme chairs. Dr Williams hoped to use his Presidential Year to visit as many of the divisions as possible in the year ahead.

The Treasurer Angus Walls thanked the Board for their support over his years as treasurer and then outlined 3 points from his report. Firstly that the tiered dues structure should remain pegged for the first 3 years and then recommended that these are then reviewed. He also pointed to the importance of reviewing the Student Dues which are planned to slowly rise to the level of the Tier 1 countries. This will pose the problem that student membership in the Tier 1 countries will be as expensive as full membership

Total Assets 2007 \$9,378,573 (500,000 less than 2006) due to variations in meetings cycle. Total Net assets increased by 200,000. Increase in expenses largely due to the large meeting in 2007. The lower expected attendance at New Orleans had an impact which necessitated a portfolio withdrawal – this problem is being addressed in the longer term by the new tiered membership structure

IADR Budget – 2008 see 106 – Lack of an increase in Dues in the coming year – dependence on the meeting is less critical but the impact on Dues is being well managed

Investment Portfolio  
2007 \* million – 2008 lost 33% of value (8.6 million – Feb this year 4.8 million – current recommendations indicate that no specific changes to portfolio construction except general rebalancing of the portfolio

Investment is with the intention of a 5% surplus and a 2% spending – the Advice from Cambridge Associates is that stay with an Equity Based Portfolio – If

wanted to get out of the Market should have been done in 2007 – it would be inappropriate at present. These needs to be monitored to make sure reserves do not fall below those safe for an organization of this size

Tony Smith, the JDR Editor was pleased to report that the Journal remains in good health with rising impact factor. The biggest change has been the move to a commercial publisher after many years of in house publication. The transition was January 2009 – a year ahead of schedule and that although the publication cycle is a little late currently that these should be back on schedule by the May issues. Tony outlined a new initiative in the development of a JDR Task Force to look ahead to exploit future opportunities and changes in the world of academic publication and to identify future needs of members. It was hoped that the Task Force would specifically look at the best ways that the “JDR brand” could best be used.

Chris Fox, Executive Director, echoed the importance of these changes and noted that it will result in a reduction of in house IADR staff. He noted that the current membership of 11381 is the highest ever which is outstanding considering the global economy. Last year was unique with 2 meetings in North America – Dallas and Toronto and it was noted that this had the impact of reducing the overall attendance at both of these meetings. The current meeting in Miami is about 15% lower than for a “usual” North American meeting (in the absence of a global economic crisis!). The Pan European Meeting in London was very successful and there will be 3 further regional meetings this year. Finally Chris reported that the relations with the FDI was getting stronger – and the 2 Boards were currently working on a series of linked initiatives.

It was noted that the development of the Regional Boards was an ongoing project. Although lots of progress has been made this year, this has been a 9 month IADR year (compared with alternate years which are of 15 month). There will be meetings of the 5 Regional Boards in Miami to further this development and look at Constitution and Bylaw Development before the establishment of MOUs between Regional Boards and The IADR Centrally.

The following nominations for the position of IADR Vice President were approved: Mary MacDougall (USA), Jukka Meurman (Finland), Lakshman Samaranayake (Hong Kong)

There has been some problems for the IADR which although an International Organisation is geographically based in the USA. One of the impacts of this is that because of the Status of OFAC (Office of Foreign Assets Control) regulations, applications from certain groups to be recognized as Divisions within the Organization could not be processed. There have been applications for waivers submitted to the US State Department and the IADR are still awaiting a response on the restrictions to making (Money from Central Office to organisations in countries such as Iraq and Sudan – as yet little response regarding these proposals. Waiver has been submitted to State Department to overcome application from Syrian section (non-divisional) committee appointments – developed by Pres Elect Prof David Williams

IADR Constitution and Bylaws (inclusion of Networks) and the tidying up of other language uses –

Future Meetings – venue are chosen usually 6 years in advance – for 2015 it was felt that might need to delay this decision – will meetings be the same in the future vis a vis additional

meetings and because of slight falling numbers – therefore there will be a delay of one year in making this decision.

Audit report see page 93 – Finances. Dec 31 2007 – Cash in hand differences – due to timing of meetings.

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## Frechette Awards

*Steve Rosenstiel*

The winners of the 2009 Frechette Awards were presented at the International Association for Dental Research annual meeting in Miami, Florida. The winners were **Dr. Cristiane Mengatto**, University of California Los Angeles, USA, for her study entitled “**New Signature of Osseointegration: Does Vitamin-D Deficiency Change Expression Profiles?**” and **Dr. Jin-Ho Phark**, Case Western Reserve University, Cleveland, Ohio, USA for his study entitled “**Influence of Contamination and Cleaning on Bond-Strength to Modified Zirconia**”.



The individuals pictured are (left-to-right) Mr. Allen Steinbock, President, Whip Mix Corporation; Dr. Yoko Iwase, Kagoshima University, Japan, Frechette Award Finalist; Dr. Yoshitoshi Kaneda, Osaka University, Japan, Frechette Award Finalist; Dr. Cristiane Mengatto, Frechette Award Winner, Dr. Jin-Ho Phark, Frechette Award Winner, Dr. Marineé Cabrera, New York University,

NY, USA, Frechette Award Finalist, Dr. Nataliya Davydova New York University, NY, USA, Dr. Stephen F. Rosenstiel, Frechette Coordinator IADR Prosthodontics Group and Dr. Neal Garrett, President IADR Prosthodontics Group. In addition to the plaques Drs. Mengatto and Phark each received a check for \$1000 thanks to the generous support of the Whip Mix Corporation.

The six finalists for the 2010 Frechette will present on Wednesday, July 14, 2010: 9 a.m.-10:30 a.m.

In Room 124-125 (CCIB)

1. Relationships between sleep stage, psychological stress biomarker and sleep bruxism. *K. TOMOEDA, Kyushu Dental College, Kitakyushu city, Japan*

2. Antifungal resistance gene expressions in various lifestyles of *Candida albicans*. *T. WATAMOTO Osaka University Graduate School of Dentistry, Suita, Japan.*

3. Long-Term Microtensile Bond Strength of Surface Modified Zirconia. *R.L. Nova Southeastern University, Fort Lauderdale, FL*

4. Gamma-ray treatment enhances bioactivity and osseointegration capability of titanium. *T. UENO University of California - Los Angeles, Los Angeles, CA* Conventional and 5. Modified Veneered-zirconia vs MCR: Fatigue and FEA. *L.M. MARTINS Bauru School of Dentistry - University of São Paulo, Bauru, Brazil,*

6. Experimental validation of a shape-optimized fiber-reinforced dental bridge. *Y. CHEN, Minnesota Dental Research Center for Biomaterials & Biomechanics, Minneapolis, MN*

The two winners will be announced at the Prosthodontics Group Business Meeting.

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**IADR Pre-Prosthetic Regenerative Science (PRS) Award Report**  
**Takahiro Ogawa**

IADR (International Association for Dental Research) Pre-Prosthetic Regenerative Science Award for Young Investigators recognizes original research by new investigators in the multidisciplinary field of pre-prosthetic or prosthodontics-related regenerative science, including but not limited to 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 Session, and the selected finalists will be asked to submit a 5-page extended abstract to compete. Awards will be presented during the annual business meeting of the group during the IADR General Session. See the detail at <http://dentalresearch.i4a.com/i4a/pages/index.cfm?pageid=3664>. The 2009 First Place Winner was awarded to Dr. Takeo Suzuki for his study entitled "UV-treated titanium is more bioactive than freshly prepared titanium". The Second Place Award went to Dr. Yoshihiro Akashi for his work on "Cyclic Pressure Affects Cytokine Production in Human Gingival Fibroblasts stress".



For 2010 competition in Barcelona, the following 6 finalists have been selected based on their abstracts.

1. BMP-2-incorporated CaP coating-functionalized Ethisorb™ for large-area laminar bone defects. *G. WU, D. WISMEIJER, and Y. LIU, ACTA - Vrije Universiteit, Amsterdam, Netherlands*
2. Dual Function of Small-Molecule Compound Harmine on Osteogenesis and Osteoclastogenesis. *S. FUKUYASU, H. EGUSA, M. DOI, H. KAYASHIMA, Y. AKASHI, and H. YATANI, Osaka University Graduate School of Dentistry, Suita-city Osaka, Japan*
3. Micro-nano-hybrid surface is resistant to biological aging of titanium. *F. IWASA, T. UENO, H. MINAMIKAWA, R. KODALI KANURU, Y. SUGITA, and T. OGAWA, University of California - Los Angeles, Los Angeles, CA*
4. Accelerated mineralization on photofunctionalized acid-etched titanium sustains distinguished mechanical properties. *H. AITA<sup>1</sup>, M. SAKATA<sup>2</sup>, M. IJIMA<sup>1</sup>, M. FUKUMOTO<sup>2</sup>, Y. TOYOSHITA<sup>1</sup>, H. KOSHINO<sup>1</sup>, T. OGAWA<sup>3</sup>, and T. HIRAI<sup>1</sup>, <sup>1</sup>Health Sciences University of Hokkaido, Toubetsu, Japan, <sup>2</sup>Hokkaido University, Sapporo, Japan, <sup>3</sup>University of California - Los Angeles, Los Angeles, CA*
5. Effects of bite-raised condition on activity in the paraventricular nucleus *H. MIYAKE<sup>1</sup>, T. KATAYAMA<sup>1</sup>, D. MORI<sup>1</sup>, U. HATA<sup>1</sup>, O. YAMAMURA<sup>1</sup>, S. FUJIWARA<sup>1</sup>, and K.-Y. KUBO<sup>2</sup>, <sup>1</sup>Asahi University, Gifu, Japan, <sup>2</sup>Seijoh University, Aichi, Japan*
6. Mastication Accelerates Rehabilitation of Brain Function after Cerebral Infarction. *M. SASAKI, K. KAWANISHI, Y. TOYOSHITA, H. AITA, H. KOSHINO, and T. HIRAI, Department of Oral Rehabilitation, Health Sciences University of Hokkaido, Ishikari Tobetsu, Japan*

Among these Drs. Aita and Miyake declined the status due to their lack of eligibility to participate in the

competition. The remaining 4 finalists submitted a 5-page extended abstract for evaluation. First place and second place winners will be announced during the business meeting on Thursday, July 15, 2010.

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**IADR PG Student Research  
Fellowship  
Wael Att**

Dear Colleagues,

The IADR Prosthodontics Group presented for the first time the Student Research Fellowship during the 2010 IADR Meeting in Barcelona. This fellowship has been created to encourage dental students, residents, and graduate students to consider careers in oral health research related to the topic of Prosthodontics. Anyone that belongs to any of the previous categories and carrying out original research in which he/she is the primary investigator is eligible for the Student Research Fellowship. This year's fellowship was an outstanding success and demonstrated high interest in this fellowship. Fourteen high-quality research proposals from different categories related to prosthodontics were submitted and considered for the fellowship. The abstracts were judged and rated by 5 reviewers with renowned research expertise for originality, research design and scientific value. The quality of the submitted proposals was based on their score. Final selection was for the proposal with the highest score provided by the reviewers. This year's fellowship recipient is Dr. Hiroki Kayashima, Department of Fixed Prosthodontics Osaka University, Graduate School of Dentistry for the work entitled "Application of Gingival Fibroblast-derived Induced Pluripotent

Stem (iPS) Cells to Bone Tissue Engineering”.

The fellowship consists of a cash prize of \$3,000.00 + travel funds up to \$1500.00, with the funds being used to support direct costs for the research and travel/ accommodations to present at the IADR General Session & Exhibition. It should be noted that Dr. Kayashima will present the results of his research at an annual IADR meeting within two years of receiving this fellowship, by submitting an abstract within the Prosthodontics Group for a poster or oral presentation. Publications should declare the support of funding by the International Association for Dental Research (IADR) Prosthodontics Group Student Research Fellowship and VITA Zahnfabrik.

I would like to take this opportunity and express my deepest thanks to all reviewers for kindly accepting the time-consuming task of reviewing multiple research and doing a great job in assessing and scoring the submissions. In addition, I would like to thank all fellowship applicants for the outstanding proposals they submitted and encourage them to maintain such a high level of research.

Sincerely,  
Wael Att

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**Annual Financial Report (2009)  
Secretary-Treasurer Report  
Cortino Sukotjo**

As of December 2009, Central Office indicates 486 members (IADR member: 158, IADR student member 158, AADR member 77 and AADR student member 94).

Prosthodontics groups hosted 2 symposiums during the Miami meeting:  
1. Oral Sensory Function in Aging, Sponsored by Behavioral,

Epidemiological and Health Service Research, Geriatric Oral Research and Prosthodontics Research.

2. Biological Response to Recent Implant Surfaces by New Technologies, sponsored by Implantology Research, Mineralized tissue, Oral and Maxillofacial Surgery, Prosthodontics Research and the Korean Academy of Prosthodontics. We thank all the sponsor groups for supporting these events.

The group remains in strong financial position with a current balance of approximately \$37,929.49 at the end of 2009 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 Prosthodontic society for its \$2000 grant to support Pre-Prosthetic Regenerative Sciences Award. Finally, we also like to thank Implantology group for their continuous support to have joint group reception with us.

**Financial Report for calendar year of 2009**

Balance as of 12/31/08 \$34,166.49  
Amount of annual dues per member \$18 (\$14 for the subgroup)

Income \$	
Dues	\$3,763.00
Whip Mix	\$1,000
Japan Prosthodontics Society	\$2,000
Total Income	\$6,763.00

Expenditure	
Frechette Award	\$2,000.00
Regenerative Science Award	\$1,800.00
Other	\$200.00
Total expenditure	\$3,000.00

Balance as of 12/31/09 \$37,929.49