

Prosthodontics Research Group

International Association for Dental Research

Newsletter

edited by Cortino Sukotjo

June 2012



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Preview for 2012 Brazil Meeting

- 1. Wednesday, June 20, 7:30 a.m- 8:30 a.m. Prosthodontic Research Group Executive Committee Meeting. BH, Salao Iguazu I Room (Officers only)**
- 2. Wednesday, June 20, 2012, 9 a.m. - 10:30 a.m.Frechette Competition. Hotel Mabu – Room: Guarapuava**
- 3.Wednesday, June 20, 2012: 11 a.m.-12:30 p.m. Personalized Implant Dentistry: Diagnosis and Treatment beyond the Human Genome Project. Location: Salao Pacifico Room (Mabu Hotel)**
- 4. Thursday, June 21, 2012: 5.30-6.3-0: Prosthodontic Research Group Business Meeting, Mabu Hotel, Guarapuava Room (open to the public)**
- 5. Thursday June 21, 2012: 5.30-6.3-0: Joint Reception of Implantology and Prosthodontic Research Groups, Mabu Hotel, Guarapuava Room (open to the public)**
- 6. Saturday, June 23, 2012: 11 a.m.-12:30 p.m. Prevalence and Risk Factors/Indicators for Peri-implantitis. Location: Curitiba Room (Mabu Hotel)**
- 7. Saturday, June 23, 2012: 4 p.m.-5:30 p.m. Patient Orientation and Quality of Life in Dentistry: Current State and Perspectives. Location: Sala Araucaria Room (Bourbon Hotel)**

Prosthodontic Executive Officers 2011 -2012

A. President

Keiichi SASAKI

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B. President-Elect

Dan Nathanson

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C. Immediate Past President

Takahiro Ogawa

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D. Program Chair

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E. Secretary/Treasurer

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F. Councillor –IADR

Mark Thomason

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G. Councillor –AADR

Stephen Rosenstiel

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H. Frechette Award Coordinator

Stephen Rosenstiel

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i. Pre-Prosthetic Regenerative Science Award Coordinator

Keiichi SASAKI, Tohoku University Graduate School of Dentistry, keii@dent.tohoku.ac.jp

J. IADR PG Student Research Fellow- ship Coordinator

Wael Att, Albert-Ludwigs University, wael.att@uniklinik-freiburg.de

K. Directors:

1. David Bartlett

King's College London Dental Institute at Guy's, King's College and St Thomas' Hospitals.

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2. Wael Att

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3. Kazuyoshi Baba

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4. Christian Stappert

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Greetings from the President Keiichi Sasaki



I am pleased to see that many members of Prosthodontic Research Group registered for the 90th General session of IADR, held at Iguacu Fall in Brazil, more than expected. I am also very honored that there are galaxy of superior presentations dealing with cutting-edge prosthodontic researches including nano-material science, nano-technology, regenerative tissue control, and rehabilitation of oral function. During the past decade, IADR Prosthodontic Research Group has been developing and presenting a novel concept of prosthodontics based upon multidisciplinary approaches combining nano-materials, nano-technology and biology. We are leading a small world of dental science to practical health sciences and to a field of essential science.

I apologize I could not attend the last IADR meeting at San Diego. Furthermore, I apologize to all officers for my irresponsible act. I couldn't discharge my duties as President in this term. Just before the meeting, on 3/11/2012, the greatest earthquake on record, magnitude 9.0, hit my city, Sendai. I have been appointed as Dean of Tohoku University School of Dentistry, located in Sendai. After the disaster, I and my staff behaved as the dentists should do

at such a big disaster. We went to the coast areas where Tsunami flew out everything, to inspect the uncountable victims, everyday. We also visited refugee camps to give oral care. In the first two weeks after the earthquake, we had to send many staffs continuously. Afterward, numerous dentists came from all over Japan to help us. I took a responsibility for these operations as a leader of the dentists. Some are still on-going. I have also been involved in various operations like as investigation on health stage of refugee, recovering planning of health support, construction of identification system of unidentified dead, so on. The most high-priority issue has been to recover the buildings and resources of research and education of my dental school.

After the earthquake, I have spent incredibly busy and serious days, which I could not imagine. But I could not remember the details. I am still in hard and busy situation. A lot of emergent works things beat on me in waves. However, a few days later, I am going to Iguassu Falls to return the medal of President and express my sincere apology to the members. I appreciate all officers for their supports from the heart, especially to Professor Cortino Sukotjo, Secretary of our group.

I hope you will enjoy the fruitful scientific meeting and the world famous scenery of Iguassu Falls.

Best wishes,

Keiichi Sasaki

Group Program Chair Report 2012-Asbjorn Jokstad

For the 2012 IADR meeting in Iguacu Falls, Brazil, the prosthodontics research group will co-organize one hands-on workshop, three symposia and 8 oral sessions and 7 poster sessions.

The hands-on workshop is:

From the Undergraduate Student to the Post-Doc: How to Prepare Competitive and Ethical Scientists. Sponsored by: Cariology Research, Dental Materials, Diagnostic Sciences, Education Research, Implantology Research, Mineralized Tissue, Neuroscience, Nutrition Research, Oral Health Research, Pharmacology/Therapeutics/Toxicology, Prosthodontics Research, Pulp Biology and Regeneration, Salivary Research. Organizer: Paulo Cesar, University of Sao Paulo, Brazil

The 3 symposia are:

Patient Orientation and Quality of Life in Dentistry: Current State and Perspectives. Sponsored by: Oral Health Research, Prosthodontics Research. Organizer: Daniel Reissmann, University Medical Center Hamburg Eppendorf, Germany

Personalized Implant Dentistry: Diagnosis and Treatment beyond the Human Genome Project . Sponsored by: Diagnostic Sciences, Implantology Research, Periodontal Research, Prosthodontics Research. Organizer: Hugh Devlin, University of Manchester, United Kingdom

Prevalence and Risk Factors/Indicators for Peri-implantitis. Sponsored by: Implantology Research, Periodontal Research, Prosthodontics Research. Organizer(s): Binnaz Leblebicioglu, Ohio State University, OH, USA; Alpdogan Kantarci, Forsyth Institute, MA, USA

The IADR head office initially identified 169 abstract as directly related to prosthodontic research. Following a closer scrutiny, only 2 abstracts were re-allocated to other IADR groups. Hence, 167 abstracts were distributed online to Drs Waet Att, Dan Nathanson, Stephen Rosenstiel, Christian Stappert and Mohammed Zahran for independent critical appraisal in duplicate. Consensus on abstract rejection or inclusion was excellent. There was only need for arbitration by the group program chair of a small proportion of disagreements. All abstract rejections were satisfactory justified and the submitters received constructive criticism of the multiple reasons for the abstract rejection.

In the end, 10 abstracts were rejected yielding a total of 157 abstracts to be presented, of which 36 (23%) are oral and 121 (77%) are poster presentations. 102 (65 %) of the presentations in the prosthodontics group are from our host country Brazil. Japan and USA contributes with 11 presentations each, while there are 7 from China.

Based on the contents the 157 abstract have been distributed within 15 different sessions, scheduled as follows:

Wednesday, June 20, 2012; Oral presentations

Hotel Mabu – Room: Guarapuava

9 a.m. - 10:30 a.m.	Frechette Competition
11 a.m. - 12:30 p.m.	Clinical Interventional Studies
2 p.m. - 3:30 p.m.	Implant Prosthodontic Laboratory Research
4 p.m. - 5:30 p.m.	Fixed Prosthodontic Laboratory Research

Thursday, June 21, 2012; Poster presentations

	(# posters)
Convention Center	
9 a.m. - 10:15 a.m.	Clinical Interventional Fixed and Implant-retained Prosthesis studies
	9
9 a.m. - 10:15 a.m.	Clinical Interventional Removable Prosthesis studies
	19
11.45 a.m. -1 p.m.	Implant Prosthodontic Laboratory Research
	13
2.15 p.m.-3.30 p.m.	Fixed Prosthodontic Laboratory Research
	17
3.45 p.m.-5 p.m.	Removable Prosthodontic Laboratory Research
	16

Friday, June 22, 2012; Poster presentations

	(# posters)
Convention Center	
9 a.m. - 10:15 a.m.	Clinical non-interventional studies
	17
11.45 a.m. -1 p.m.	Prosthodontic Materials Laboratory Research
	14
2.15 p.m.-3.30 p.m.	Implant Prosthodontic Biomechanics Research
	16

Saturday, June 23, 2012; Oral presentations

Hotel Mabu – Room: Guarapuava

9 a.m. - 10:30 a.m.	Removable Prosthodontic Research
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2 p.m. - 3:30 p.m. Clinical non-interventional studies
4 p.m. - 5:30 p.m. Prosthodontic Materials Laboratory Research

My sincere thank you to the abstract reviewers for their commitment to review the abstracts and for dedicating their time and energy to this enterprise.

Respectfully,
Asbjorn Jokstad
Prosthodontics Research Group Program Chair

Councillors report – J Mark Thomason

The meeting was held on 15th March 2011 from 1pm till 5PM

1. The meeting was opened by the President who first brought all our thoughts to the devastating situation in Japan and noted that our thoughts go out to all our Japanese colleagues and the all the people of Japan

2. Election Results – VP Helen Welton – University of Cork

Chris Fox noted that voting rates was at around 30% - this very good but would like to see it rise – tends to be the highest when region has a candidate standing

Reports – Summary

There were a series of reports from most members of the Board and from Regional Board Members

2.3 Brian O'Connell, Treasurer (2013)

IADR Treasurer's Annual Report 2010 Brian O'Connell

IADR Audit Report

The Association's auditors, issued an unqualified opinion on the IADR financial statements for the year ending 31st December 2009.

2010 Budget

- The year 2009 ended with a greater than anticipated surplus of \$240,991, so 2010 started on a strong basis.
- Largely due to Barcelona Annual Session, and a surge in membership (12,000)
- Overall, 2010 should end with a surplus in the region of \$500,000 (12% of total income),
- At this point, a positive balance of approximately \$100,000 is projected for 2011 and \$50,000 for 2012. This is largely due again to surpluses from meetings rather than from Dues.
- Membership increased in 2010 to 12434, growing in all regions except North America..

IADR Asset

- As low as 5.5 Million\$ 3 years ago – but now stand at just less than 8 Million Dollars
- Portfolio reviewed and this seems to be working in the right direction
- **The Journal of Dental Research** In 2010 the JDR is expected to produce a surplus for IADR/AADR of \$151,964, but under current assumptions this surplus will decline year on year.

Medium to long term outlook

As well as a better-than expected year in 2010, the medium term financial prospects for IADR have improved.

Members Dues and meeting costs

In 2012 there will be an increase in member dues of 15\$, middle tier 5\$,low income 6\$ - student dues up by 5\$. There will be similar increases in 2013. Cost of Registration fee will increase by 2% 2012 for members – but there will be a local member rate (50% of normal rate – and 75% for students)

2.4 William V. Giannobile, Editor (2015)

Editor's Report for the *Journal of Dental Research*, 2010

A few metrics of importance regarding the *JDR* currently as it ranks in the field:

5-Year Impact Factor: 4.195 / ranked #1

2009 Impact Factor: 3.458 / ranked #2

Eigenfactor™ Score: 0.2412 / ranked #1

Article Influence™ Score: 1.301 / ranked #1

Section C (*Required Actions and Strategic Issues*) 8. IADR High Impact Governance Project

IADR Board of Directors High-Impact Governance Project

Work Plan for March 19 Session:

At the conclusion of the San Diego Meeting, the IADR Board will be considering adopting a Board Governing Structure similar to the following:

A Board – directly supported by a Board Operational section and 3 constituent sub groups representing

- Operational Planning,
- Performance Monitoring and
- Member/Stakeholder relationships

How will this benefit IADR Council and IADR Membership?

Expand IADR volunteer leadership opportunities as the programmatic and administrative functions of the association get pushed from the Board to Committees

3. Appointments, Nominations, and New Divisions/Sections/Networks

3.1 New Officer Appointments and Nominations – IADR Vice-president – Action. The IADR Board of Directors recommends:

Yoshimitsu Abiko (Japan) Paul Brandt (South Africa) Angus Walls (UK)

To Council as candidates to stand for election by the membership in 2011 for the office of IADR Vice-president (2012-2013).

Motion: Passed

Approval of Committee Appointments – Action Approval of 2011-2012 IADR Committee Appointments

Motion: To accept the committee appointments for 2011-2012 as presented by the IADR President-elect (E. Dianne Rekow) and approved by the IADR Board of Directors.

Passed

Sincere request that more people put forward their names to serve on these committees

4. 2016 General Session Proposals – Action

The IADR Board is recommending Seoul, Republic of Korea for the 2016 IADR General Session

5. Registration Fees for SG Presenters – Action

Motion:

That any Scientific Group/Network with a bank balance less than \$7,500 will meet the hardship requirement and will not be required to pay for registration of symposia speakers for the General

Session.

Passed

Amendment – that \$7,500 be for uncommitted funds and formally reviewed in 3 years. Passed.

Frechette Award- Stephen Rosenstiel

The winners of the 2011 Frechette Awards were presented at the International Association for Dental Research annual meeting in San Diego, California. 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. Lei Jin, Nanjing General Hospital of Nanjing Military Command, Nanjing, Jiangsu, China** for “**Property Study of Nano-zirconia Formed by Aqueous Electrophoretic Deposition**” and **Dr. R. Kodali Kanuru, University of California - Los Angeles, Los Angeles, Calif** for “**Pre- Osseointegrated Implant Using Cell Sheet Technology**”. The individuals pictured are (left-to-right) Dr. Takahiro Ogawa, President IADR Prosthodontics Group; Dr. Lei Jin, Frechette Award Winner ; Dr. Jenni Hjerppe, University of Turku, Helsinki, Finland, Frechette Award Finalist; Dr. Valentim A Barão, Universidade Est. Paulista Julio Mesquita, Araçatuba, Brazil, Frechette Award Finalist; Dr. Sho Fukuyasu, Osaka University, Suita-city, Osaka, Japan, Frechette Award Finalist; Dr. Hiroki Kayashima, Osaka University, Suita-City, Osaka, Japan, Frechette Award Finalist; Dr. R. Kodali Kanuru, Frechette Award Winner; and Dr. Stephen F. Rosenstiel, Frechette Coordinator IADR Prosthodontics Group. In addition to the plaques Drs. Jin and Kanuru each received a check for \$1000 thanks to the generous support of the Whip Mix Corporation.



Pre-Prosthetic Regenerative Science Awards Keiichi Sasaki

Pre-Prosthetic Regenerative Science Award for Young Investigators was established in 2007 under the leadership of Dr. Takahiro Ogawa, the immediate past President. 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. Awards are presented during the annual business meeting of the group during the IADR General Session.

The First Place Winner 2011 was awarded to Dr. Ken Ishizaki. The Second Place Award went to Dr. William Custodio.

For 2012 Iguassu Falls Meeting, 3 finalists have been selected. The first and second place winners will be announced in the Prosthodontic Group Business Meeting.

IADR Prosthodontics Group Student Research Fellowship-Wael Att

The 2010 IADR Prosthodontics Group Research Fellowship, presented for the first time at the IADR General Session in Barcelona, Spain, proved to be 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 novelty, originality, multidisciplinary nature 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 all reviewers. 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. The 2010 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”. Dr. Kayashima will present the results of his research at an annual IADR meeting within two years of receiving the fellowship. The fellowship is co-sponsored by the IADR Prosthodontics Group and Vita Zahnfabrik, and 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.

Annual Financial Report (2011)

Secretary-Treasurer Report Cortino Sukotjo

As of December 2011, Central Office indicates 326 members (IADR member: 132, IADR student member 126, AADR member 47 and AADR student member 20, ILIFE member 1. Prosthodontics groups hosted 4 Lunch and Learning and 2 Keynote address during the San Diego meeting:

1. Asbjorn Jokstad, University of Toronto Faculty of Dentistry. Title: How to Plan a Randomized Clinical Trial Focused on Implant Therapies?

2. K. KURTZ, Dept. of Prosthodontics, NYU, New York, NY. Title: Fatigue of Dental Implants. Thursday

3. J.A. DUYCK, Dept. of Prosthetic Dentistry, BIOMAT Research Group, Leuven, Belgium. Title: Peri-implant Tissue Healing and Bone Adaptation in Response to Mechanical Implant Loading.

4. K. BABA, Prosthodontics, Showa University, Tokyo, Japan. Title: Strategies for Management of Sleep Bruxism - Clinical Implication of Basic Findings

KEYNOTE ADDRESS

1. ASBJORN JOKSTAD. University of Toronto, Faculty of Dentistry. Title: Long-Term Clinical Performance of Fixed FDPs Depends on Alloy Selection.

2. R.L. ETTINGER. Dental Research and Prosthodontics, University of Iowa, Iowa City, IA. Title: Should Implants Supplant Tooth Roots in Mandibular Overdentures? A 20-Year Perspective.

Financial Report for calendar year of 2011

Balance as of 12/31/10	\$39,764.56
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Amount of annual dues per member \$18 (\$14 for the subgroup)

Income

Dues	\$4,172
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Whip Mix	\$1,000
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Japan Prosthodontics Society	\$1,000
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Panasonic	\$8,000
Vita	\$3,000
Total Income	\$17,172

Expenditure

Frechette Award	\$2,000.00
Regenerative Science Award	\$1,800.00
PG Student Research Fellowship	\$3,000.00
San Diego F and B	\$7,572.91
Other	\$200.00
Total expenditure	\$14,572.91

Balance as of 12/31/11 \$42,363.65