

Prosthodontics Research Group

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

International Association for Dental Research

Newsletter 2014

Edited by Christian Stappert and Wael Att (June 2014)

Greetings from the President – Wael Att



Dear Colleagues and Members of the IADR Prosthodontics Research Group,

The upcoming 92nd IADR General Session in Cape Town will be an exciting event in all aspects. Indeed, the IADR offers a unique platform for a borderless and multidisciplinary collaboration between researchers and dental communities. I would like to invite you to join our group's scientific sessions, business meeting and joint IADR Prosthodontics-Implant Group reception. Also this year, the quality and broadness of the scientific activities of the Prosthodontics Group will be obvious. Thanks to the hard work of our program chair, Dr. Asbjorn Jokstad, an outstanding scientific program has been prepared. The program will cover cutting-edge topics and provide insightful ideas to young investigators and researchers. Needless to say, the exceptional effort of the reviewers in reviewing and selecting the submitted abstracts is much appreciated. The lunch and learn session will provide an inspiring opportunity for the participants to experience up-to-date information about advances in technology and science of regenerative and dental materials as well as prosthodontics-related aspects.

Another exciting part of our program is the research awards. With three prestigious scientific awards of the Prosthodontics Group covering a wide spectrum of prosthodontics research, young researchers and students have amazing opportunities to share their research and receive recognition of their work. Many applications have been received for the research awards. The Arthur Frechette award competition coordinated by Dr. Stephen Rosenstiel and supported by WhipMix corp. has been very

successful as one of the most prestigious group award at IADR. A further award is the Preprosthetic Regenerative Science Award (PRS award) for young investigators, co-sponsored by Japan Prosthodontic Society (JPS). This award credits interdisciplinary approaches in pre-prosthetic or prosthodontics-related regenerative sciences and biology by student or faculty researchers in their early career. I appreciate the opportunity to thank JPS for their continuous support since 2007 and Dr. Keiichi Sasaki for his efforts to nurture this significant relationship. The third award is the Prosthodontics Group Student Research Fellowship, which is generously co-sponsored by Vita Zahnfabrik. This award recognizes all prosthodontics-related research topics and is intended to support students and young investigators to realize novel ideas and provide the opportunity to present their research to their peers. The support of Vita Zahnfabrik for this award is highly appreciated.

Unfortunately, Panasonic Healthcare has informed us that it will no longer be able to sponsor our joint Prosthodontics and Implant Group reception. We would like to thank Panasonic Healthcare for their generosity for all these years and Dr. Kazu Baba for the establishment and coordination of this support.

Further thanks go to our group's secretary and treasurer, Dr. Christian Stappert, for the organization and coordination of our group's activities. I also thank our past president, Dr. Dan Nathanson, for his continuous support and ideas. Last but not least, the continuous effort of our previous presidents, program chairs and officers to keep our group active and intriguing is much appreciated.

I wish you all a wonderful and successful meeting in Cape Town.

With best personal regards,

Wael Att
President, Prosthodontics Research Group

Prosthodontics Research Group

Executive Officers 2013 - 2014

A. President

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

B. President-Elect

Cortino Sukotjo University of Illinois, Chicago, Csukotjo@uic.edu

C. Immediate Past President

Dan Nathanson, Boston University Henry M Goldman School of Dental Medicine, dnathan@bu.edu

D. Program Chair

Asbjorn Jokstad, University of Toronto Faculty of Dentistry, a.jokstad@dentistry.utoronto.ca

E. Secretary/Treasurer

Christian Stappert, University of Maryland School of Dentistry, cstappert@umaryland.edu

F. Councillor – IADR

Mark Thomason School of Dental Sciences, Newcastle University, j.m.thomason@newcastle.ac.uk

G. Councillor – AADR

Stephen Rosenstiel The Ohio State University, College of Dentistry, rosenstiel.1@osu.edu

H. Frechette Award Coordinator

Stephen Rosenstiel The Ohio State University, College of Dentistry , rosenstiel.1@osu.edu

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, david.bartlett@kcl.ac.uk

2. **Kazuyoshi Baba**, Showa University, kazuyoshi@dent.showa-u.ac.jp

3. **In Sung Yeo**, Seoul National University, Department of Dentistry, pros53@snu.ac.kr

4. **Frauke Mueller**, Section Médecine Dentaire, Université Genève, frauke.mueller@unige.ch

Group Program Chair Report 2014 - Asbjorn Jokstad



For the **2014 IADR meeting in Cape Town, South Africa**, the **Prosthodontics Research Group** co-sponsors one learning symposium. There will be 3 oral sessions, and 3 poster sessions.

The symposium titled: '**Clinical Trials and Methodology Development for Patient-Oriented Outcomes**' is co-sponsored by: Clinical and Translational Science Network, Implantology Research, Oral Health Research, Prosthodontics Research, BEHSR, CAR, EBDN. The event is organized for Thursday, **June 26th, 2014, 10:45 a.m.-12:15 p.m.**

The IADR head office initially identified approximately 65 abstracts as directly related to prosthodontic research. Following some exchanges of abstracts between the various IADR research groups, 62 abstracts were available online to Drs. Dan Nathanson, Stephen Rosenstiel, David Bartlett and Cortino Sukotjo, 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 often multiple reasons for the abstract rejection.

In the end, 8 abstracts were rejected yielding a total of 54 abstracts to be presented, of which 16 (30%) are oral and 38 (70%) are poster presentations.

The **Poster Sessions** are all on **Thursday, June 26th, 2014, 2 p.m.-3:15 p.m.**

1. Session 62, Clinical Studies in Prosthodontics (PROS)
2. Session 63, Fixed Prosthodontic Laboratory Research (PROS)
3. Session 64, Removable and Implant Prosthodontics (PROS)

The three **Oral Sessions** are on **Friday, June 27th, 2014**

- **8 a.m.-9:30 a.m., Session 116, Frechette Award Competition (PROS)**,
Chair(s): S.F. ROSENSTIEL and A. JOKSTAD
9:30 a.m.-10:00 a.m., Presentation of Award recipients at the same location
- **10:45 a.m.-12:15 p.m., Session 131, Basic Research in Prosthodontics (PROS)**, Chair(s): K. CHUNG and R. SRIKANTH

And on **Saturday, June 28th, 2014**

- **8 a.m.-9:30 a.m., Session 186, Clinical Studies in Prosthodontics (PROS)**,
Chair(s): M.H. WALTER and C.S. SOLOMON

My sincere thank you goes 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

[Frechette Award - Stephen Rosenstiel](#)



The **winners of the 2013 Frechette Awards** were presented at the International Association for Dental Research annual meeting in Seattle, Washington.

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. Miha Brezavscek**, Department of Prosthodontics, School of Dentistry, Albert-Ludwigs University, Freiburg, Germany for “**The effect of ultraviolet light treatment on the osteoconductivity of zirconia-based implant materials**” and **Dr T. James Lee**, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Tokyo, Japan for “**Compositional Analysis on Mechanical Properties and Biocompatibility of Titanium-Zirconium Alloy**”. In addition to plaques Drs. Brezavscek and Lee each received a check for \$1,000.00 thanks to the generous support of the Whip Mix Corporation.

Only 6 abstracts were submitted for the **2014 Arthur R. Frechette Research Awards** in Prosthodontics. Of these, 5 finalists were selected to present at the meeting in Cape Town, South Africa where they will be evaluated for (1) originality and scientific design of the investigation, (2) suitability of the methods of analysis, and (3) scientific value of the work by past presidents of the IADR Prosthodontics Group.

The finalists are **Dr. H Ogawa**, Vertical Bone Augmentation Using iPS Cell Constructs with Simvastatin; **Dr. A. Tamura**, Microgravity Might Affect Peri-implant Mucosal Epithelial Cells During Space Flight; **Dr. C.A. Castro**, Influence Of Preparation Design On Lithium Disilicate (Li₂Si₂O₅) Anterior Restorations; **Dr. B. Gimenez Gonzalez**, Accuracy and Repeatability of Intra-oral Scanners for Full-arch Implant Impressions, and **Dr. A. Villias**, Influence of Three Factors on Cement Profile.

They will present their work on **Friday, June 27th, 2014: 8 a.m.-9:30 a.m. in Meeting Room 2.61-2.62 of the Convention Center** and the winners will be announced shortly afterwards.

Pre-Prosthetic Regenerative Science Awards - Keiichi Sasaki

Pre-Prosthetic Regenerative Science Award Presentation 2013 and 2014 Preview



Since 2007, the **Pre-Prosthetic Regenerative Science Award for Young Investigators (PPRS Award)** 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 papers accepted in the Prosthodontics Research Group Session (either oral or poster presentation) of the IADR General Session are eligible for consideration for the award. Finalists for the award are selected from the abstracts, and are requested to submit a 5-page extended abstract.

The **2013 First Place** was awarded to **Dr. Fangfang Wang** at Osaka University, Japan, for her study entitled “**Transcriptional Activation of Amelogenin Enhances Osteogenesis of Mesenchymal Stem Cells**”. The **Second Place** Award went to **Dr. Brigitte Altmann** at Albert-Ludwigs University Freiburg, Germany for the work on “**Three-dimensional cell culture of human alveolar osteoblasts in microchip based bioreactors**”.

For 2014 Cape Town meeting, the finalists for PPRS awards were selected and requested to submit extended abstracts. The first and second place winners will be announced during the annual business meeting of the PRG during the IADR General Session & Exhibition in Cape Town, South Africa, June 25th-29th, 2014.

Keiichi Sasaki

IADR Prosthodontics Group Student Research Fellowship - Wael Att



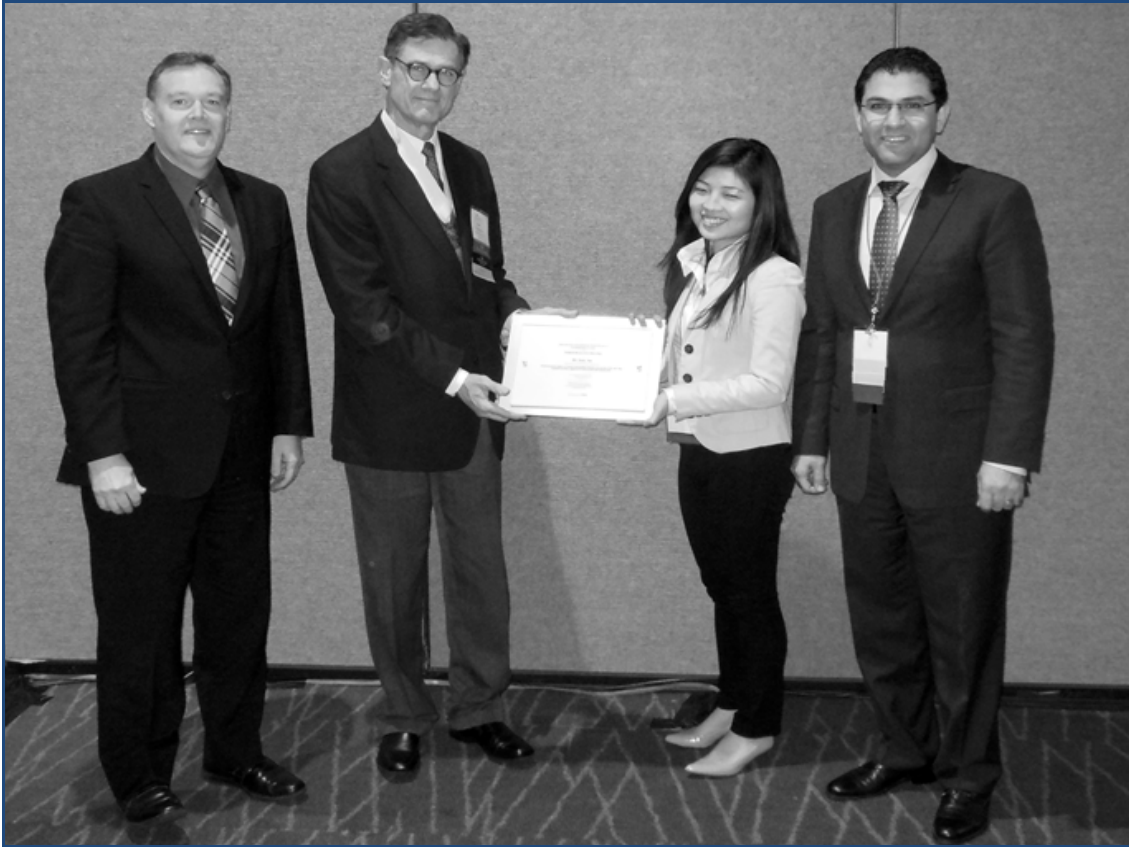
The **2013 IADR Prosthodontics Group Student Research Fellowship** was awarded to **Amy Au**, Advanced Prosthodontics Resident, College of Dentistry, University of Illinois at Chicago (UIC) during the group's business meeting at the IADR General Session in Seattle. Her research project entitled "**Antimicrobial effect of silver embedded titania nanotube (TiO₂-NT-Ag) implant surface against Porphyromonas gingivalis**" competed with other research proposals submitted by different research groups and was finally selected as recipient of the fellowship. The proposals were judged and rated by reviewers with renowned research expertise for novelty, originality, multidisciplinary nature and scientific value. Final selection was made for the proposal with the highest score provided by the reviewers.

I would like to thank all applicants for the submission of high-quality research proposals and further encourage all research groups to apply for this fellowship. I also thank all reviewers for accepting the time-consuming task of evaluating and rating of multiple high-quality research proposals. The continuous support of Vita of this fellowship is highly appreciated.

The IADR Prosthodontics Group Student Research Fellowship is administered by the IADR Prosthodontics Group (PG) and co-sponsored by VITA Zahnfabrik and PG. This fellowship has been created in 2010 to encourage dental students, residents, and graduate students to consider careers in oral health research related to the topic of Prosthodontics. Proposals are sought in any category of research related to Prosthodontics.

The fellowship consists of a cash prize of \$3,000 + travel funds up to \$1500, with the funds being used to support direct costs for the research and travel/accommodations to present at an annual IADR General Session & Exhibition. The results of the research are to be presented at an annual IADR meeting within two years of receiving the fellowship, by submitting an abstract within the Prosthodontics Group for a poster or oral presentation.

The 2014 fellowship recipient will be announced at the Prosthodontics Group Business meeting on Thursday, June 26th: 5:00- 6:00 pm during the IADR General Session in Cape Town, South Africa.



In the picture (from R-L to left): Wael Att (President of IADR Prosthodontics Group and Fellowship Coordinator), Amy Au (recipient of 2013 IADR Prosthodontics Group Student Research Fellowship), Dan Nathanson (Past President of IADR Prosthodontics Group) and Jim McGuire (Vita Zahnfabrik representative).

Secretary-Treasurer Report – Christian Stappert



As of June 2014, Central Office indicates the following membership information (**Total 519**):

1. IADR members: **201**
2. IADR retired members: **4**
3. IADR student members: **204**
4. IADR/AADR members: **66**
5. IADR/AADR retired members: **3**
6. IADR/AADR student members: **41**

Financial Report by Cortino Sukotjo for Calendar year of 2012

Balance as of 12/31/12 \$ 42,146.00

Financial Report by Cortino Sukotjo/ Christian Stappert for Calendar year of 2013

Income until March/April 2013 (IADR meeting)

Whip Mix	\$1,000.00
Japan Prosthodontics Society	\$1,000.00
Panasonic	\$8,000.00
Vita	\$3,000.00

Income after April 2013

Dues 3 rd and 4 th Qtr 2012	\$2,928.00
Dues 1 st Qtr 2013	\$1,092.00
Dues 2 nd Qtr 2013	\$ 154.00
Dues 3 rd Qtr 2013	\$ 408.00

Total Income 2013 \$ 17,582.00

Expenditure 2013

Frechette Award	\$2,000.00
Frechette Plaque	\$ 238.00
Regenerative Science Award	\$1,500.00
PG Student Research Fellowship	\$4,500.00
Seattle F and B	\$7,082.12
Other	\$ 200.00
Account fees	\$ 34.00

Total expenditure 2013 \$ 15,554.12

Balance as of 12/31/13 \$ 44,173.88

92nd IADR General Session in Cape Town – Quick View
IADR Prosthodontics Research Group

Wednesday	25-Jun-14	7 a.m.	8 a.m.	Prosthodontics Research Group Executive Officers Meeting	CC	Meeting Suite 1.92
Thursday	26-Jun-14	5 p.m.	6 p.m.	Prosthodontics Research Group Business Meeting	CC	Auditorium II
Thursday	26-Jun-14	6 p.m.	8 p.m.	Joint Reception of the Implantology and Prosthodontics Research Groups	CC	Meeting Room 1.63-1.64, Convention Center
Friday	27-Jun-14	8 a.m.	9:30 a.m.	Frechette Award	CC	Room 2.61-2.62, Convention Center
