

Prosthodontics Research Group

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

International Association for Dental Research

Newsletter 2017

Edited by Christian Stappert (March 2017)

Welcome to IADR - San Francisco, USA 2017

Greetings from the President – Christian Stappert



Dear IADR Prosthodontic Research Group Members,

Welcome to San Francisco,

I am delighted to welcome you to the joined meeting of AADR and IADR. We are expecting a high number of participants at this venue, given the unique opportunity to share your research and thoughts with an international community of scientific investigators, dental and medical practitioners and innovative corporate partners.

I am excited and thankful for our members sharing the cause of our group to support dental research, and to make an impact in the fields of Prosthodontics, Digital Dentistry, Implant Dentistry and Materials Science or Bioengineering.

The members of the committee, directors and past presidents continue their delegation towards the Prosthodontics Research Group. Their joint efforts are very appreciated, building the foundation of peer-reviewed evidence based presentations in San Francisco.

My special thanks go to Dan Nathanson, Stephen Rosenstiel, Keiichi Sasaki and David Bartlett for their hard work and commitment to coordinate the abstracts for the Oral and Poster Presentations, the Frechette Award, PPR Science Award and Neal Garrett Award respectively.

We all look forward to San Francisco for the annual meeting of AADR and IADR. Don't miss the joint reception with the Implantology Research Group Thursday night.

This event became a continuous opportunity to meet old friends and colleagues and draw first conclusions and share thoughts on novel ideas of current dental research.

We wish all who attend the conference a vibrant and successful meeting.

Christian Stappert,

President
IADR Prosthodontic Research Group 2016- 2017

Prosthodontics Research Group

Executive Officers 2016 - 2017

A. President

Christian Stappert, Department of Prosthodontics, Albert-Ludwigs University,
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B. Immediate Past President

David Bartlett, King's College London Dental Institute at Guy's, King's College and St Thomas' Hospitals, david.bartlett@kcl.ac.uk

C. Program Chair

Dan Nathanson, Boston University Henry M Goldman School of Dental Medicine,
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D. Secretary/Treasurer

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E. Councillor – IADR

Dan Nathanson, Boston University Henry M Goldman School of Dental Medicine,
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F. Councillor – AADR

Stephen Rosenstiel, The Ohio State University, College of Dentistry,
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G. Frechette Award Coordinator

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H. Pre-Prosthetic Regenerative Science Award Coordinator

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J: Advisor

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K: Directors:

1. **Frauke Müller**, Section Médecine Dentaire, Université Genève,
frauke.mueller@unige.ch (3rd/y)

2. **Matthias Kern**, Universitätsklinikum Schleswig-Holstein, Klinik für Zahnärztliche
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3. **Marcus Abboud**, Stony Brook University, Department of Prosthodontics and Digital
Technology, marcus.abboud@gmail.com (2st/y)

4. Joke Duyck, KU Leuven, Department of Oral Health Sciences, University Hospitals Leuven, Prosthetic Dentistry, Belgium, joke.duyck@uzleuven.be (2st/y)



Group Program Chair Report 2017 - Dan Nathanson

Dear members of the IADR/AADR Prosthodontic Research Group:



Every year our Prosthodontic Research group members submit around 100 abstracts for review by at least two reviewers, plus by the Group Program Chair (GPC). Rejected submissions (amounting to about 5-8% every year) are at the same level this year.

The rejections are mainly for the following reasons: Clinical case presentations (not considered as research); Results/Conclusions that are not validated by relevant statistics; Conclusions that are not related to the research project; etc.

Based on the number of accepted abstracts, the IADR Central Office allocates the number of Oral Sessions and Poster Sessions. In past years our group was allocated 4 or 5 Oral Sessions (with 6 presentations in each session) totaling 24-30 Oral Presentations. This year we received approx. 200 abstracts(!) which allowed us to have 6 Oral Sessions with 36 Oral Presenters. The rest of the accepted submissions were assigned to the Poster Presentations, arranged by topics, up to 20 Pros posters in each poster session.

As Program Chair my role is to submit the final decisions and then organize the presentations in both Oral and Posters sessions. We try to accommodate the requests for “Oral” or “Poster”, however there must be a sufficient number of strong papers to ‘populate’ the Oral Sessions. For each session, we have to create a relevant title (i.e. “Clinical

experience with CAD/CAM restorations..”), a list of “Educational Objectives” (mandated by ADA for receiving Continuing Education credits), assign Session Chairs and Co-Chairs, and submit the “plan” to the IADR.

The Central Office of IADR then places our oral and poster sessions on the “Program”. The rules are that authors requesting to present in Poster Sessions cannot be assigned by us to Oral Sessions. In the other direction, requests for Oral Presentations may not be available if the Oral sessions are full, or the papers are not in line with other topics.

Here is the listing of Oral Sessions for the 2017 IADR in San Francisco:

IADR Prosthodontics Research Group - Oral Sessions

Mar 22, 2017 (Wednesday), 8:30 AM–10:00 AM CC, Room 2010

“Dental CAD/CAM Materials: Properties and Behavior Under Stress”

Chair: John Sorensen University of Washington

Mar 22, 2017 (Wednesday), 1:30 PM–3:00 PM CC, Room 3024

The Frechette Awards Session

Chairs: Dan Nathanson, Boston University

Stephen Rosenstiel, Ohio State University

Mar 22, 2017 (Wednesday), 3:15 PM–4:45 PM CC, Room 3024

“Clinical Investigations in Prosthodontics”

Chairs: Michael Botelho, Prince Philip Dental Hospital;

Stefan Wolfart, RWTH Aachen University

Mar 24, 2017 (Friday), 2:00 PM–3:30 PM CC, Room 3024

“Fiber Reinforced Restorative Resins: Properties and Use”

Chair: Paul Brunton, University of Otago

Mar 25, 2017 (Saturday), 8:00 AM-9:30 AM CC, Room 3020

“Dental Zirconia: Further Exploring of Physical Mechanical Properties”

Chair: Julie Holloway, The University of Iowa

Mar 25, 2017 (Saturday), 2:00 PM-3:30 PM CC, Room 3024

“Experiments and Lessons From Digital Dentistry”

Chair: Andrew Killing, University of Leeds

I look forward to seeing all our group members and receiving suggestions for improvement.

Respectfully submitted,

Dan Nathanson

Prosthodontics Group Program Chair

Frechette Award - Stephen Rosenstiel

The **winners of the 2016 Frechette Awards** were presented at the International Association for Dental Research annual meeting in Seoul, Republic of Korea.



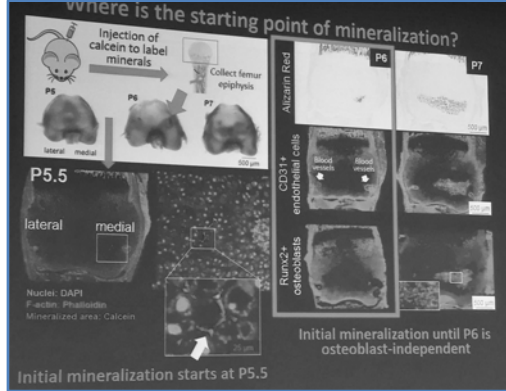
The Frechette is the annual research competition for new investigators sponsored by the Prosthodontics Group of the International Association for Dental Research and honoring the memory of Arthur R. Frechette who served as Secretary-Treasurer of the IADR from 1968 until 1977.

The winners were **Dr. Emilio Hara, Okayama University, Okayama-shi, Japan** for “**Chondrocyte Burst Promotes Space for Mineral Expansion During Initial Mineralization**” and **Dr. Candida Parisi, University of Bologna, Bologna, Italy** for “**Translucency of Monolithic Hybrid Cubic/Tetragonal Zirconia Crowns: A Comparative Study**”.



The individuals pictured are (left-to-right) **Dr. David Bartlett**, Immediate Past President IADR Prosthodontics Group; **Dr. Jamila Almuhamadi**, Barts and the London, School of Dentistry, London, UK, Frechette Award Finalist; **Dr. Hara**, Frechette Award Winner; **Dr. Parisi**, Frechette Award Winner; **Dr. Lianyi Xu**, Ninth People's Hospital, Shanghai Jiao Tong University, School of Medicine, Shanghai, China, Frechette Award Finalist; and **Dr. Stephen F. Rosenstiel**, Frechette Coordinator IADR Prosthodontics Group. In addition to the plaques Drs. Hara and Parisi each received a check for \$1000 thanks to the generous support of the **Whip Mix Corporation**.

Thirty Frechette submissions were received for the upcoming 2017 San Francisco meeting, 9 in the Biologic category and 21 in the Materials category. The abstracts were judged by Drs Att, Ettinger, Jokstad, Kelly, Ogawa, and Walls and the following finalists were selected for oral presentation in San Francisco: **Dr. Aseel Al-Jaboorei** "Synergistic Effect of Fluorapatite and Platelet-rich Plasma on Osteoblastic Cells", **Dr. Manabu Ishijima** "UV-photofunctionalization of titanium suppresses human oral bacterial attachment and biofilm formation", **Dr. Jin Wen** "Systematic Evaluation of Trace Elements-substituted Titanium Implant in Ovariectomized Rats", **Dr. Zaid Ali** "OHRQoL Clinical Study of PEEK vs. Co/Cr Removable Partial Dentures", **Dr. Mason Bates** "Mechanical Properties of Pigmented Maxillofacial Silicone Elastomers", and **Dr. Nicholas Fischer** "Polishing Head Force and Re-Use Dependence on Zirconia Surface".



Pre-Prosthetic Regenerative Science Awards - Keiichi Sasaki

Presentation 2016 and Preview of 2017



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 of the IADR General Session is eligible for consideration for the award. At Seoul meeting, finalists for the award were selected from the poster abstracts, and their posters were evaluated by judges.

The 2016 First Place was awarded to **Dr. Ahreum Lee**, Yonsei University, Korea, for the work entitled "Enhanced Osseointegration of Dual TiO₂ Nanotube Implants With Controlled BMP-2 Release". The Second Place Award went to **Dr. Valentim Barão**, University of Campinas (UNICAMP), Brazil, for the work on "Production of a Biofunctional Titanium Surface Using Plasma Treatments".

For 2017 San Francisco meeting, we have selected the finalists for PPRS awards 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.

Keiichi Sasaki

Neal Garrett Award - Clinical Research Prize



The award recognizes clinically focused and patient centered original research. The award is co-sponsored by the IADR Prosthodontics Research Group (PRG) and funded by a bursary to the group. The award recognizes the life time work of Neal Garrett and matches his efforts in patient centered care. The award is sponsored by Premium Dental Editing LLC (\$ 500). Entrants for the award must send a five (5) page extended abstract on their work and will be judged on the quality and originality of their poster presentation. The extended abstracts will be judged for originality and scientific design of the research, and the scientific merit.

The winner of the 2016 Neal Garrett Award was **Anna Miyayasau**, Gerodontology and Oral Rehabilitation Graduate School, Medical and Dental School Tokyo (TMDU) with the topic "Cost analysis of the different impression methods for complete dentures".

Secretary-Treasurer Report – Christian Stappert

As of February 2017, Central Office indicates the following membership information (**Total 714 (FY16 - 975)**):



2016 Membership Report

Full Members: 549
Retired Members: 12
Student Members: 414

2017 Membership Report (as of March, 2017)

Full Members: 427
Retired Members: 13
Student Members: 274

Financial Report for FY 2015

Balance as of 12/31/15	\$ 45,366.78
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Financial Status for FY 2016

Balance as of 12/31/16	\$ 59,962.46
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95th IADR General Session in San Francisco, USA – Quick View
IADR Prosthodontics Research Group

Wednesday	3/22/2017	07:00 AM	08:00 AM	Closed Executive Officers Meeting	Moscone West	CC, Overlook 2D
Wednesday	3/22/2017	1:30 AM	3:00 AM	Frechette Award	Moscone West	CC, Room 3024
Thursday	3/23/2017	05:00 PM	06:00 PM	Prosthodontics Research Group Business Meeting	Moscone West	CC, Room 3001
Thursday	3/23/2017	06:00 PM	07:30 PM	Joint Reception: IADR Implantology and Prosthodontics Research Groups	Moscone West	CC, Room 3002

Don't miss the Joint Reception on Thursday Night CC, Room 3002!

IADR Implantology and Prosthodontics Research Groups