

# International Association of Dental Research

## Implantology Research Group Report 2008-2009

### I. Current Officers

President (YIA Reviewer):	Prof. John Mitchell (USA)
President-Elect: (Program Chair; Abstract Reviewer; YIA Reviewer)	Prof. Ryuji Hosokawa (Japan)
Vice-President: (Co-Program Chair; Symposium Coordinator; Abstract Reviewer; YIA Reviewer)	Prof. Sang-Wan Shin (Korea)
Immediate Past President (Councilor):	Prof. Ignace Naert (Belgium)
Secretary:	Prof. Clark Stanford (USA)
Treasurer:	Prof. Clark Stanford (USA)
IADR/AADR Councilor:	Prof. John Keller
Director-at-Large I (YIA Committee Chair; Abstract Reviewer):	Prof. Selim Pamuk (Turkey)
Director-at-Large II (Lunch and Learning Coordinator):	Dr. Joke Duyck (Belgium)
Director-at-Large III (Nominating Committee):	Dr. Binnaz Leblebicioglu (USA)
Director-at-large IV (Membership committee):	Dr. Georgios E. Romanos (USA)
Director-at-large V (Newsletter/Website)	Dr. Asbjorn Jokstad (Canada)
Director-at-large VI	Dr. Seong Joo Heo (Korea)
Governance of the group:	Officers rotate through the office duties over a seven year period. Officer advancement takes place at the annual IADR meeting.

### II. Financial Report:

<b>Amount of group dues per member</b>	<u>\$12 (\$15 pre-tax)</u>
<b>Fund balance as of last annual report</b>	<u>\$28,968.56 (Toronto IADR 7/2008 report)</u>
<b>Total Income</b>	<u>\$11,520 (for 2008)</u>
<b>Total Expenditures</b>	<u>\$6583 (for 2008)</u>
<b>Current Fund Balance (as of 3-22-2009)</b>	\$33,905.56 (12/31/2008) and <u>\$40,105.83 (3/22/2009) including Nobel gift.</u>

**\*\*\*Report:** In 2008/2009 dues were \$12/regular member with dues receipts of \$2360 interest on checking account/CD of \$180, special donation for the 2008 Toronto meeting of \$4000 by Astra Tech Inc. for the combined Prosthodontic and Implantology research groups reception. NobelBiocare provided a gift for the research prize of \$4980 for 2008 and again \$4980 for the 2009 Young Investigator Fellowship program. Astra Tech has agreed to partial support of the IADR reception for 2009.

**Membership:** Membership has stayed steady between 2006/2007 and 2008/2009 (as of 3/23/2009).

Status	2006/2007	2007/2008	2008	2009 (to 3/23/09)
AADR Life Member	0	0	2	1
AADR Member	89	78	82	69
AADR Student	124	153	178	202
IADR Life Member	2	3	1	1
IADR Member	129	141	156	140
IADR Student	82	184	208	165
<b>Total</b>	<b>426</b>	<b>559</b>	<b>627</b>	<b>578</b>

**Change in membership:** There has been a large turnover in membership with 280 members dropping participation in the group between 2006/2007 and 2007/2008. Some of this is due to the no cost student members, career transitions, etc. From 2006/2007 to 2007/2008 the IRG lost 16 AADR members, 48 IADR members and 216 student members. Membership appears to have expanded by the end of 2008 with a large gain in student members (at no cost).

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Expenses in 2007/2008 were \$6,391 USD which included the following:

\$2,250 for the Young Investigator Awards provided at the 2008 Toronto IADR Meeting.

\$4298 for the executive committee breakfast and the Toronto Reception (offset by the \$4000 contribution by Astra Tech).

Comments about costs of the Reception and long-term concerns about sustainability - The cost for the Joint IRG/Prosthodontic Group reception to be held in Miami on Thursday April 2nd, 2009 was budgeted at ~ \$4000 based on previous experience. This year, for a similar reception, the Miami site is costing \$6078 for the same basic event. Some of this is related to a high Service Charge the site is charging AND Sales Tax on this Service Charge. The Treasurer (Stanford) tried to work with the IADR central office, the City of Miami and the Convention Center over this. At this time a formal complaint regarding the Miami site has been sent to the IADR board of Directors.

Regardless, this event is to be held at the Miami Convention Center immediately following the IRG business meeting (Room D34 from 6:00 PM to 7:30PM). Again, Astra Tech Inc, (Waltham, MA) is providing partial support for this reception (\$3000). Given the economic times and the unusually high cost of the Miami site we have a long-term sustainability issues. Receptions over the past ten years have always come out around \$3500 to \$4000, this year @ > \$6000 with a Union operation and lack of alternatives (IADR Contract locks us into this site, so the Treasurer is told) our costs are > \$2000 more than in Toronto and our corporate support is a \$1000 lower (\$3000 vs. \$4000).

This means the costs to the IRG/Pros budgets will be ~\$3078. An agreement to share this deficit 50/50 has been arranged with Tak Ogawa (Secretary/Treasurer of the Pros Research Group).

### III. Membership Report:

2008 Program Report.

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#### 2008 Toronto IADR

#### Implantology Research Group Minutes, Annual Business Meeting held July 3, 2008

**IRG Executive Committee Members Present:** Drs. Ignace Naert; Joo Ong; John Mitchell; Clark Stanford; Ryuji Hosokawa, . Sang-Wan Shin, Selim Pamuk, Joke Duyck. Attendance: 22

The executive committee met at an executive breakfast on Thursday morning July 3rd to review the agenda and plans for the business meeting. The business meeting started with a Councilor's review of the IADR Council meeting. This was provided by Joo Ong. Highlights discussed were the IADR alteration to its copywrite agreements to align with the new NIH rules for open access. The Hatton Awards committee has had a name change to the "Awards Committee" which has now mandated that award recipients must be members of the IADR. The Awards Committee award has also increased to \$1600 for first place and \$800 for second place. At the IADR council meeting there was significant discussion regarding the change to IADR Regions versus "federations" which were used in the past. The shift to Regions will allow the central office to coordinate various issues of meeting dates, courses and schedules. This bylaw change was approved by the Council.

The IRG Toronto program report was then made by Drs. Naert and Mitchell. At the 2008 IADR meeting, the IRG cosponsored two symposia and sequenced 7 Oral Sessions and 5 Poster sessions. There were 42 oral papers accepted but 3 withdrew (8% withdrawal rate) and 158 poster presentations were accepted but 24 withdrew (18% withdrawal rate).

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### Toronto Lunch and Learning Report:

Professor and Dean, Sang-Wan Shin Lunch and Learn speaker, Dr. Seong-Joo Heo (Seoul National University) on, *Cutting Edge of Implant Surfaces and Design – Clinical Significance*, presented Thursday July 3 12:15 to 1:30 PM.

### Awards Report

Dr. Ryuji Hosokawa

Following a review of the abstracts and presentations, the YIA committee awarded the following awards.

1<sup>st</sup> Place: Luiz Meirelles, DDS MSc PhD; Goteborg University, \$1500

2<sup>nd</sup> Place: Dr. NORIO HORI UCLA \$500

3<sup>rd</sup> Place: Sinem Yenyol NYU \$250

An announcement was made that John Mitchell and Clark Stanford will help to establish guidelines for a new IRG Student Research Fellowship Award. This Fellowship award will be for \$5000 and is planned for a receipt date of January of each year correlated with the typical AADR student research award receipt dates. The format for the applications would be to follow the current AADR student research format.

### Membership/Nomination Report

Drs. Naert, Mitchell and Stanford

Given the resignation of two members of the executive committee (Michael McCracken and Ichiro Nishimura), four new members were needed to be nominated and elected by the membership attending the business meeting. The membership voted to add another Director-at-Large (DAL VI) to the executive committee. Nominated and elected by voice vote were the following new members of the executive committee:

Director-at-Large III (Nominating Committee Chair)

Binnaz Leblebicioglu, DDS, MS, Ph.D.

Assistant Professor

College of Dentistry, Periodontology

The Ohio State University

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[Leblebicioglu.1@osu.edu](mailto:Leblebicioglu.1@osu.edu)

Director-at-Large IV (Membership Committee Chair)

Georgios E. Romanos, DDS, Dr. med. dent, PhD

Professor of Clinical Dentistry

University of Rochester, Eastman Dept. of Dentistry

Divisions of Periodontology and General Dentistry

Director of the Unit of Laser Dentistry

at the Eastman Dental Center

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Email: [Georgios Romanos@urmc.rochester.edu](mailto:Georgios_Romanos@urmc.rochester.edu)

### **Director-at-Large V (Newsletter)**

Asbjorn Jokstad DDS, Dr. Odont.  
Professor and Head, Prosthodontics  
Nobel Biocare Chair in Prosthodontics  
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### **Director-at-Large VI**

Dr. Seong Joo Heo Ph.D., DDS, MS  
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### **2009 Miami IRG AGENDA; Thursday April 2, 2009 5:00 to 6:00 PM in C227/C228**

**Opening Remarks:** Professor John Mitchell  
Approval of proposed agenda. Officers assume new rank/duties at Business Meeting today.

**1.) 2009 AADR/IADR Council Report:** Dr. John Keller

**2.) 2009 Miami Program Report** Drs. Mitchell/Hosokawa  
At the 2009 IADR meeting, the IRG cosponsored one symposia and sequenced 6 Oral Sessions (33 papers, 3 withdraws) and 7 poster sessions (98 papers and 5 withdraws). By comparison, the 2008 Toronto IADR meeting had 7 Oral Sessions and 5 Poster sessions. There were 42 oral papers accepted but 3 withdrew (8% withdrawal rate) and 158 poster presentations were accepted but 24 withdrew (18% withdrawal rate).

**3.) Miami Symposium Report** Dr. Sang-Wan Shin

Saturday, April 4, 2009: 8:00 AM-9:30 AM  
Location: D131 (Miami Beach Convention Center)  
Sponsored by: Implantology Research, Mineralized Tissue, Oral & Maxillofacial Surgery, Prosthodontics Research, the Korean Academy of Prosthodontics  
Description: Implant design has evolved continuously in an effort to increase success rates by inducing appropriate biological responses to implants. The surface properties of implants include surface morphology, roughness, pore size, oxide thickness, crystal structure, and chemistry. Bone tissue response to dental implants is thought to be influenced by macro and micro structure and though the 1980s the thin titanium oxide layer of turned implants was considered to be of great importance for

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successful osseointegration. In the last decade the surface roughness of titanium implants has received increasing attention. Different kinds of dental implants with variable surfaces including enhanced hydrophilic surface properties have been developed to hasten osseointegration and thus support an early loading protocol. Claims for bioactive implants suggest the possibility of biomechanical and biochemical bonding that would allow implants to bond with living tissue. These potentially bioactive implants include among others calcium phosphate-coated, fluoridated, and magnesium-incorporated implants. Furthermore, implant surfaces with coatings that release BMPs have been proposed to induce bone growth in cases where sufficient bone support is lacking, a condition which currently requires bone grafting or scaffolding. Currently there is no consensus on what constitutes the optimal surface. With four international speakers presenting their research, this symposium provides a unique opportunity to discuss the current status of recent implant surfaces developed by new technologies and biological response through different level of analyses.

Organizer: S.-W. SHIN

Chairs: S.-W. SHIN and C. STANFORD

8:00 AM 2811 The effects of surface topography on cell and tissue responses to implants

D.M. BRUNETTE, University of British Columbia, Vancouver, BC, Canada

8:15 AM Molecular signally and alterations of matrix expression in Osteoblasts based on Surface topography

C. STANFORD, University of Iowa, Iowa City, IA

8:30 AM Bone response to nano and micro engineered titanium implants

Y.-T. SUL, Gothenburg University, Gothenburg, Sweden

8:45 AM Alveolar Augmentation using BMP-coated Oral Implants

U.M. WIKESJO, Medical College of Georgia, Martinez, GA

#### 4.) Miami Lunch and Learning Report:

Professor: Joke Duyck

Two L&L sessions were provided on Thursday, April 2, 2009: 12:15 PM-1:30 PM

Location: C126 (Miami Beach Convention Center)

Session #1.) Description: The treatment of peri-implant bony defects around failing implants is one of the current problems in Implant Dentistry. In this session, a concept of treatment will be presented using lasers based on the current research. Future developments and possibilities using different laser wavelengths may also be demonstrated.

12:15 PM Laser Applications and Treatment of Peri-implantitis

G. ROMANOS, University of Rochester School of Medicine and Dentistry, Rochester, NY

Session #2.) Description: Non-submerged implant placement is a clinical model that allows assessment of early phases of peri-implant wound healing in humans. While clinical parameters alone are problematic, biochemical parameters (evaluation of peri-implant fluid content) are promising. The purpose of this presentation is to discuss methodology to evaluate early wound healing around implants.

12:15 PM Peri-implant Wound Healing Assessment: Current Trends

B. LEBLEBICIOGLU, Ohio State University, Columbus, OH

#### 5.) Awards Report

Drs. Mitchell / Hosokawa

Presentation of the 2009 Research Fellowship Award, sponsored by Nobel Biocare will be made.

There were 5 applications for this award.

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### 6.) Website Development Launch and Report

Dr. Asbjorn Jokstad

The official website of the prosthodontics group, [www.iadr.org/implantology](http://www.iadr.org/implantology) was launched in January 2009. We hope that the website presents information that may be helpful for all our group members. On the welcome page you will find links to the Implantology research 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 bylaws and a list of the past group presidents hyperlinked with their email addresses

[Awards and Grants](#) presents details about our 2 awards, i.e. the Implantology Research Group Student Research Fellowship and the Young Investigator Prize for Student Research. The list of past winners will be hyperlinked with their email addresses in the future.

[Upcoming Meetings](#) shows a schedule of international events related to implant research

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

[Newsletters](#) will in due time include the past issues

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

[Implant Research](#) contain hyperlinks to all the Implantology Research group sessions in the Scientific programs of the IADR meetings dating back to the 2001 IADR meeting in Chiba

[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 Prosthodontics Group website [www.iadr.org/prosthodontics](http://www.iadr.org/prosthodontics).

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](mailto:a.jokstad@dentistry.utoronto.ca)

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#### **7.) Membership/Nomination Report – Election of new Officers**

Dr. John Mitchell

Two positions are open on the IRG executive committee:

Secretary/Treasurer (three year position)

Director-at-Large VI position.

#### **8.) New Business and Matters arising from the floor**

**Joint Implant Research Group/Prosthodontic Research Group Reception will held in the Miami Convention Center Room D34 starting at 6:00 to 7:30 PM on Thursday April 2, 2009.**