



## Note from the IADR Periodontal Research Group (IADR/PRG) Board,

Dear Periodontal Research Group Members,  
Dear Colleagues, Dear Friends:

Another year has passed with wonderful but also sad events for the IADR/PRG and periodontal scientific community. This year, we are celebrating the 50th year of the PRG at the IADR platform (1969-2019) and planning to have a large presence with numerous symposia, workshops, lunch and learnings, keynote addresses and a total of 307 oral and poster presentations at this 2019 IADR meeting in Vancouver, Canada. We are also greatly missing our distinguished leaders, giants and pioneers in periodontology and periodontal science: Dr. Steven Offenbacher and Dr. Robert Genco. They will always be remembered and represented in the upcoming meeting and all future gatherings of our community. As Past Presidents of the PRG, their contribution to our group establishment and growth is tremendous. I invite you to take a moment to remember and honor both our distinguished members.

In this second edition of the PRG Annual Newsletter, we are excited to bring you highlights of the PRG's activities at

the 2018 IADR/PER General Session in London, England and recognize some of our members who received awards in recognition of their scientific and academic achievements. In this edition, you will also find a list of events that will take place in the upcoming 2019 IADR/AADR/CADR meeting in Vancouver. I hope you enjoy reading this Newsletter.

As the PRG, we promote diverse and fair opportunities to all our members. Please join us during our annual business meeting, which will be held at the Vancouver Convention Center West, 118 at 5 pm on Thursday, June 13, 2019 to meet with the PRG officers, members and your colleagues and participate in discussions and decisions. The meeting will be followed by a reception where we will be celebrating the 50th anniversary of the PRG and our members for their achievements during 2018-2019.

### On behalf of the PRG Board

**Hatice Hasturk**  
PRG President, 2018-2019

# Meet the Current Members of the IADR PRG Board

(Name, PRG Position, Role, IADR Division/section)



**Hatice Hasturk**  
*President*  
Proposal Coordinator American



**Nagihan Bostanci**  
*President-elect*  
Scandinavian



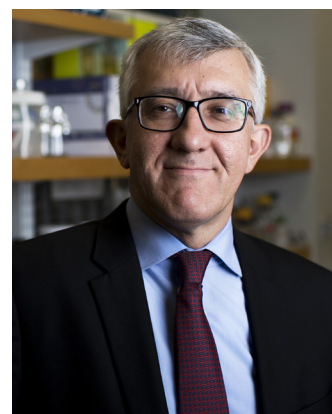
**David Herrera**  
*Vice-President*  
Lunch and learning Organizer  
Continental European



**Magda Feres**  
*Immediate Past President*  
Brazilian



**Andreas Stavropoulos**  
*IADR Councilor*  
Scandinavian



**Alpdogan Kantarci**  
*Secretary/Treasurer*  
AADR Councilor American



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[www.iadr.org/IADR/About-Us/Leadership/Scientific-Group-Network-Officers/Scientific-Group-Network-Officers-Roster/G=IADR&M=GPR](http://www.iadr.org/IADR/About-Us/Leadership/Scientific-Group-Network-Officers/Scientific-Group-Network-Officers-Roster/G=IADR&M=GPR)

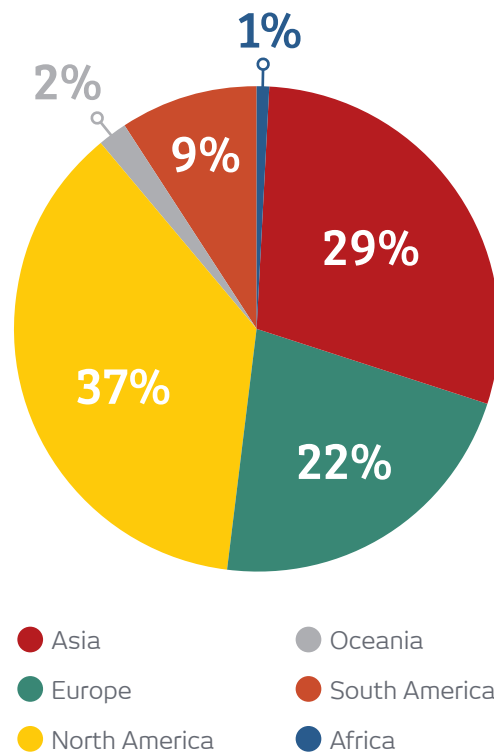
# WHY SHOULD I BECOME A MEMBER OF THE PRG?

The periodontal Research Group (PRG) was first approved by the International Association of Dental Research (IADR) in 1969 as the third Scientific group of the IADR. It constitutes an integral and internal Group within IADR as authorized under the Constitution of IADR Article V, Section. The PRG is a dynamic and active group of clinical and basic science academics who are focused on furthering knowledge through research in order to improve patient care. The broad biological base of periodontology and its close association with implant dentistry provide a very rich and diverse funding and publishing environment and the PRG has been and remains very collaborative in our approach to scientific discovery and academic endeavor.

PRG is a forum for IADR’s active members involved in any aspect of periodontal research. Its mission is to advance periodontal research activities and increase knowledge with the aim to improve periodontal health of patient and the public.

The PRG also aims to facilitate presentation, discussion, and publication of scientific papers on periodontal research, and to identify and support excellence in both young and established scientists in Periodontology through its competitive awards and grants. We are very proud to report that PRG has its members from all 5 continents (Africa, America, Asia, Europe, Oceania) as demonstrated in Figure 1.

We strongly believe that our diverse and broad membership profile help us spread the quality of research and create and maintain a well-connected and mentored scientific community globally. As the PRG board, we also believe that it is very important to continue including members from these diverse groups in the management team for an inclusive representation. As you will see from our previous and current PRG officer list, PRG has managed to choose their leading administrative staff from different continents in rotations. Thus, with the new election system held by the IADR, we encourage our members to nominate or self-nominate with this consideration.



► **Figure 1.** Percentage of members distributed by continent (total number of members: 1275, July 2018)

All PRG members are invited to the PRG's annual business meeting held during the IADR General Session to attend, network, discuss and vote for the decisions. You can network with your colleagues, other scientific group/network members and IADR executives and staff during the complimentary reception following ABM. Please, visit our web site to learn more about PRG's organization, check for up-to-date information related to our annual awards and research grant opportunities.

**Thank you for being a member of the PRG and contribute to its mission! Together we can make a difference in science and oral health!**



➤ PRG reception, London, 2018

## WHAT WERE THE PRG ACTIVITIES DURING PAST MEETING AT THE 2018 IADR/PER GENERAL SESSION IN LONDON, ENGLAND?

PRG had another successful IADR meeting in London in 2018. As shown below (Table 1), total abstract number

submitted by the members of the PRG was 268 with 259 accepted and presented at the meeting.

	Submitted	Rejected	Withdrawn	Accepted	Oral	Poster
Diagnosis/ Epidemiology	63	0 (0%)	0	63	16	47
Pathogenesis	105	2 (1.9%)	0	103	22	81
Therapy	100	7 (7.0%)	0	93	24	69
<b>PRG totals 2018</b>	<b>268</b>	<b>9 (3.4%)</b>	<b>0</b>	<b>259</b>	<b>62</b>	<b>197</b>
<b>PRG totals 2017</b>	<b>379</b>	<b>2 (0.5%)</b>	<b>4</b>	<b>373</b>	<b>78</b>	<b>295</b>

➤ **Table1.** Abstracts submitted, accepted/rejected per PRG research area

In addition, to those oral and poster presentations, PRG organized 16 Symposia

and 13 Lunch and Learning Sessions covering diverse topics of periodontal research (Figure 2).

## SYMPOSIA

### Wednesday, July 25, 2018

Evidence-based periodontal treatment: interpreting results of RCTs and Systematic Reviews, a PRG/IADR and Cochrane Oral Health Group Joint Symposium

Organizer: Magda Feres, Anne-Marie Glenny

Sticking together: a tale of two oral microbiologists

Organizer: Hui Wu, Angela Nobbs, Patricia Diaz

Microbial dysbiosis and cancer, periodontitis and peri-implantitis

Organizer: Purnima Kumar, Janina P. Lewis

Altmetrics - The new impact factor?

Organizer: Kenneth Eaton, Stephen Hancocks

Dental mineralization disorders: bench to bedside

Organizer: Brian Foster, Catherine Chaussain

Gender bias in scholarly activities: an evidence-based approach

Organizer: Effie Ioannidou, Flavia Teles

The roles of nano-hydroxyapatite technologies in dentistry

Organizer: Bennett Amaechi, Joachim Enax

Exploring Interface biology in dental research: organotypic culture applications

Organizer: Binnaz Leblebicioglu

### Thursday, July 26, 2018

Extracellular vesicles of neural crest-derived stem cells as a novel approach to stimulate alveolar bone regeneration through regulation of osteogenesis and angiogenesis

Organizer: Wolf-Dieter Grimm

Bone mechanical stimulation and its therapeutic applications

Organizer: Cristina Teixeira, Mani Alikhani

Host-microbial interactions at the oral mucosal barrier

Organizer: Sarah Gaffen, Niki Moutsopoulos

Oral microbiome (DNA/RNA) sequencing data analysis

Organizer: Jorge Frias-Lopez, Di Wu, Dong Mei Deng

Innovative clinical trial design with an interdisciplinary patient-centric focus

Organizer: Francis Hughes, Iain Chapple, Sue Pavitt, Francesco D'Aiuto

### Friday, July 27, 2018

Harassment in science: steps to no-tolerance

Organizer: Effie Ioannidou, Luciana Shaddox, Ariadne Letra

### Saturday, July 28, 2018

Periodontal regeneration using biologically active factors

Organizer: Songling Wang

## LUNCH & LEARNING

### Thursday, July 26, 2018 - Capital Hall, Level 0

Table #08: Nonsurgical treatment for periodontitis: perspectives from clinical trials.  
Presenter: Danae Apatzidou

Table #09: Oral treponemes: diversity and distributions in periodontal health and disease.  
Presenter: Rory Munro Watt

Table #10: Wound healing process in peri-implant versus periodontal tissues.  
Presenter: Binnaz Leblebicioglu

Table #11: Effective periodontal treatment for subjects with type 2 diabetes.  
Presenter: Hatice Hasturk

Table #12: Host genetics and periodontitis: how do we make the step from the lab to the clinic?  
Presenter: Luigi Nibali

Table #13: Protein biomarker discovery and validation for periodontitis.  
Presenter: Melissa Grant

Table #14: Novel nicotine products and the periodontist: e-cigarettes and beyond.  
Presenter: Richard Holliday

### Friday, July 27, 2018 - Capital Hall, Level 0

Table #25: Periodontitis and cardiovascular diseases: evidence from national surveys.  
Presenter: Georgios Tsakos

Table #26: Resilience of the salivary microbiome in response to antibiotics.  
Presenter: Egija Zaura

Table #27: Periodontitis and systemic diseases: association or causation.  
Presenter: Gerry Linden

Table #28: Association between overweight/obesity and increased risk of periodontitis.  
Presenter: Jeanie Suvan

Table #29: Role of macrophages in periodontal health and disease.  
Presenter: Elisabeth A. Boström

Table #30: Design of clinical trials in Periodontology and Implant Dentistry.  
Presenter: Niklaus Lang

➤ **Figure 2.** Symposia and Lunch and Learnings presented at the 2018 IADR meeting by the members of the PRG.

# IADR AWARDS

## Distinguished Scientist Award Basic Research in periodontal disease



**Kazuhisa Yamazaki**  
Niigata University,  
Niigata, Japan



**0391 - Oral-Gut  
Connection is a  
New Paradigm of  
Periodontal Medicine**

**1:30 - 2:00 PM  
Wed Jul 25**

Recipient of 2016 IADR  
Distinguished Scientist  
Award-Basic Research in  
Periodontal Disease Award



**Panos Papapanou**  
Columbia University,  
New York, USA



**1284 - Periodontal  
Epidemiology: Lessons  
Learned and Unlearned**

**2:15 - 2:45 PM  
Thu Jul 26**

Recipient of 2017 IADR  
Distinguished Scientist  
Award-Basic Research in  
Periodontal Disease Award

Professor Kazuhisa Yamazaki from the Niigata University (Japan) and Professor Panos Papapanou from Columbia University (USA) were the keynote address speakers for the PRG as the recipient of the 2016 and 2017 IADR Distinguished Scientist Award in Basic Research in periodontal disease, respectively.

# Highlights from the past PRG Annual Business Meeting at the 2018 IADR/ PER meeting in London, England

The PRG annual business meeting was held on July 26, 2018 at the ExCel London Convention Center South Gallery 27/28. The PRG officers (Table 2) led by Prof. Magda Feres, the PRG president, welcomed the PRG members and other guests attended the meeting. Dr. Magda Feres gave the president's remarks and highlights from the 2017.

Incoming President Hatice Hasturk presented an honorary plaque to the outgoing president Prof. Magda Feres in recognition of her tremendous contribution to PRG's organization, scientific achievements and member networking efforts. Prof. Feres also successfully established a new award honoring late Prof. Dr. Ricardo Teles, an esteemed member of the PRG, a decorated scientist we lost tragically and prematurely in 2017.

President	Magda Feres, São Paulo, Brazil
President Elect	Hative Hasturk, Boston, USA
Vice President	Nagihan Bostanci, Stockholm, Sweden
Vice-President-Elect	David Herrera, Madrid, Spain
Treasurer	Alpdogan Kantarci, Boston, USA
Councilor (IADR)	Andreas Stavropoulos, Malmö, Sweden
Councilor (AADR)	Alpdogan Kantarci, Boston, USA
Group Program Chair	Philip Preshaw, Newcastle, UK
Immediate Past President	Axel Spahr, Sydney, Australia
Corporate Liaison	Jack Spitznagel, Baltimore, USA

► **Table 2.** PRG Officers 2017-2018



► **Hatice Hasturk**, President 2018-2019, The Forsyth Institute, Cambridge, USA and **Magda Feres**, Immediate Past President, Guarulhos University, Sao Paulo, Brazil.



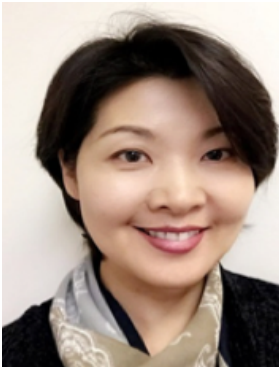
# 2018 Award Recipients

Two prestigious awards managed by the IADR were awarded to our members as shown below. Congratulations to Prof. Chapple and Dr. Cheon!



- 2018 IADR Distinguished Scientist Research in Periodontal Disease Award was presented to **Prof. Iain Chapple from the University of Birmingham, UK during the opening ceremony of the meeting. This award is sponsored by Colgate Palmolive.**

Prof. Iain Chapple will present a keynote address during the 2019 IADR/AADR/CADR meeting in Vancouver.



- The recipient of 2018 AADR Anne D. Haffajee Fellowship award was **Kyounga Cheon, from the University of Alabama.**

AAADR D. Anne Haffajee Fellowship was first established in 2014 in recognition of Dr. Haffajee's many contributions to clinical research in Periodontology and Oral Biology and her prominence as a female leader in the field. The immediate goal of this fellowship is to support women researchers at the early stages of their scientific careers. The long term goal of this fellowship is to increase the representation of women at the higher ranks in science and academia in the field of Oral Biology. Please see the contact address for applications in Table 3.

Several prestigious awards managed by the IADR PRG and Sponsored by the Corporate partners (Table 3) were also presented to the winners in their respected fields.

AWARD TITLE & SPONSOR	CONTACT
IADR Karring-Nyman SUNSTAR Guidor Award <b>Sponsored by: SUNSTAR</b>	Andreas Stavropoulos <a href="mailto:andreas.stavropoulos@mah.se">andreas.stavropoulos@mah.se</a>
IADR Periodontal Research Group Past Presidents' Travel Award <b>Sponsored by: Colgate-Palmolive</b>	Panos N. Papapanou <a href="mailto:pp192@cumc.columbia.edu">pp192@cumc.columbia.edu</a>
IADR/Philips Oral Healthcare Young Investigator Research Grant <b>Sponsored by: Philips</b>	Iain L. C. Chapple <a href="mailto:I.L.C.Chapple@bham.ac.uk">I.L.C.Chapple@bham.ac.uk</a>
IADR Sigmund Socransky Young Investigator Award <b>Sponsored by: PRG/IADR</b>	Panos N. Papapanou <a href="mailto:pp192@cumc.columbia.edu">pp192@cumc.columbia.edu</a>
IADR/PRG Award in Regenerative Periodontal Medicine <b>Sponsored by: REGEDENT</b>	Anton Sculean <a href="mailto:anton.sculean@zmk.unibe.ch">anton.sculean@zmk.unibe.ch</a>
IADR/PRG Award in Innovative Approaches to Prevention and Non-Surgical Treatment of Periodontal and Peri-Implant Diseases <b>Sponsored by: EMS</b>	Axel Spahr <a href="mailto:axel.spahr@sydney.edu.au">axel.spahr@sydney.edu.au</a>
IADR/IAP Ricardo Teles Clinical Research Award in Periodontology <b>Sponsored by BioGaia (New Award starts 2019)</b>	Magda Feres; Alp Kantarci <a href="mailto:mferes@ung.br">mferes@ung.br</a> ; <a href="mailto:akantarci@forsyth.org">akantarci@forsyth.org</a>
AADR Anne D. Haffajee Fellowship <b>Sponsored by: AADR and generous donations from individuals and corporate partners</b>	Flavia Teles <a href="mailto:fteles@upenn.edu">fteles@upenn.edu</a>

➤ **Table 3.** PRG Awards, Fellowships and Grant Opportunities - 2018.

- Past Presidents' award was presented to the recipient **Flora Momen-Heravi**, Columbia University for her project titled "RNA-sequencing Reveals Pathways of Dynamic and Molecular Perturbations in Periodontal Disease".
- Sigmund S. Socransky Young Investigator Award was received by **Tomoki Maekawa** from the University Niigata, Tokyo, Japan.
- IADR/PRG Award in Regenerative Periodontal Medicine by Regedent was awarded to **Shinya Murakami**, Osaka University, Japan.
- Philips Oral Health Care Young Investigator Research Grant was presented to **Simone Marcocini** from the University of Pisa, Italy for his project titled "The influence of different surgical protocols on the outcome of dental implants in diabetic patients".
- IADR/PRG Karring Nyman SUNSTAR Guidor Award was presented to **Siddharth Shanbhag** from the University of Bergen, Norway for his project titled "Three dimensional cultures of periodontal progenitor cells for tissue engineering applications".
- IADR/LION Dental Research Award for Junior Investigators was presented to **Jacob Chew** from the National University of Singapore for his research project titled "Association between Rheumatoid Arthritis and Chronic Periodontitis: A case-control study".
- EMS Innovative approaches to prevention and non-surgical treatment of periodontal and peri-implant diseases award was presented to **Keith Kirkwood** from the University at Buffalo.



The PRG past president, **Prof. Panos Papapanou** (Columbia University, NY, USA) and **Dr. Maria Ryan**, Vice President and Chief Dental Officer Colgate Palmolive Company presented the Past Presidents' award to the recipient **Flora Momen-Heravi**, Columbia University for her project titled "RNA-sequencing Reveals Pathways of Dynamic and Molecular Perturbations in Periodontal Disease".



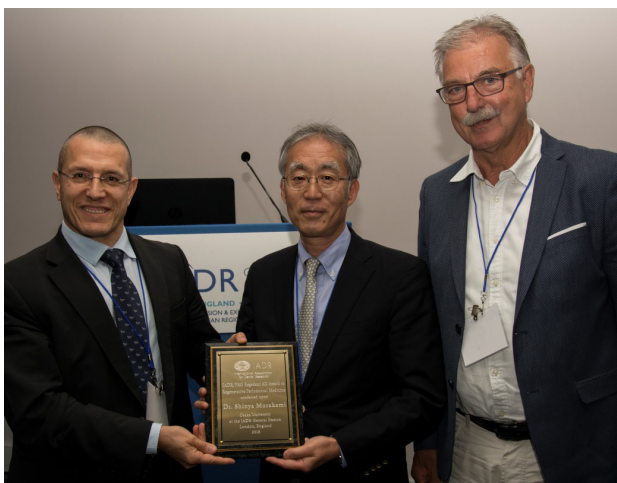
The PRG past president, **Prof. Panos Papapanou** presented the Sigmund S. Socransky Young Investigator Award to **Dr. Tomoki Maekawa**, Niigata University, Japan.



**Prof. Andreas Stavropoulos**, PRG Past President and IADR councilor, presented the IADR Karring-Nyman SUNSTAR Guidor Award to **Dr. Siddharth Shanbhag**, University of Bergen, Norway.



**Prof. Iain Chapple**, PRG Past President, and representatives from Philips presented the IADR/Philips Oral Healthcare Young Investigator Research Grant to **Dr. Simone Marcocini** from the University of Pisa, Italy.



- > **Prof. Anton Sculean**, PRG Past President and **Dr. Fröh from Regedent** presented the IADR/PRG Award in Regenerative Periodontal Medicine to **Prof. Shinya Murakami**, Osaka University, Japan.



- > **Prof. Axel Spahr**, PRG Past President presented the EMS Innovative Approaches to Prevention and Non-Surgical Treatment of Periodontal and Peri-Implant Diseases Dental Research Award to **Dr. Keith Kirkwood** from the University at Buffalo, New York, USA.



- > **Dr. Alp Kantarci**, PRG Secretary/Treasurer, and **Dr. Yamaguchi from Lion Corporation** presented the IADR/LION Dental Research Award for Junior Investigators to **Dr. Jacob Chew** from the National University of Singapore.

**Congratulations to all winners and thanks to the Sponsors for recognition of distinguished scientists and supporting cutting edge research and young investigators for the present and future of the periodontal research!**

# 2018-2019 NEWS



## Election of new PRG Vice-president for the term 2020-2021

PRESIDENT ELECT (2021-2022)

PRESIDENT (2022-2023)

**Shogo Takashiba**

*Okayama University, Okayama, Japan*

## Welcome To The PRG Board!

# Abstract reviewers

**Philip Preshaw, Group**  
Program Chair,  
IADR/PRG



We are happy to announce that we have a very diverse and strong reviewer group at the PRG. Abstract reviewers work with the IADR Headquarter and the Group Program Chairs in the review process. They are responsible of reviewing the abstracts submitted by the PRG members for the AADR or IADR General Sessions in Diagnosis/Epidemiology, Periodontal Pathogenesis and Periodontal Therapy. This is a very important task and hard work as each reviewer is responsible of reviewing about 40-50 abstracts in each category within a week. We greatly appreciate their valuable time and efforts in this important task.

As our immediate past president Magda Feres indicated in the first edition of the PRG Newsletter, we have a large pool of volunteers for reviewer positions. The reviewer positions are for 3 years term subject to extension for another year or term upon acceptance and approval by the Board. Table 4 lists the current reviewers and their terms. Please contact Philip Preshaw, our current Overall Group Program Chair at [philip.preshaw@nus.edu.sg](mailto:philip.preshaw@nus.edu.sg) to nominate a member colleague or self-nominate and indicate the field of interest for review. Abstract Reviewers are chosen based on their expertise in the three different areas: Diagnosis/ Epidemiology, Pathogenesis and Therapy.

Name	Area	Role	Started	End of terms
Philip Preshaw	All areas	GPC	2015	2020
Thomas Dietrich	Diagnosis/Epidemiology	Chair	2014	2019
George Belibasakis	Pathogenesis	Chair	2015	2020
Hatice Hasturk	Therapy	Chair	2018	2023
Nagihan Bostanci	Diagnosis/Epidemiology	Reviewer	2012	2019
Moritz Kebschull	Diagnosis/Epidemiology	Reviewer	2017	2020
Purnima Kumar	Diagnosis/Epidemiology	Reviewer	2017	2020
Cristiano Susin	Diagnosis/Epidemiology	Reviewer	2017	2020
Silvana Barros	Pathogenesis	Reviewer	2015	2020
Niki Moutsopoulos	Pathogenesis	Reviewer	2018	2021
Gustavo Garlet	Pathogenesis	Reviewer	2014	2019
Bruno Loos	Pathogenesis	Reviewer	2017	2020
Danae Apatzidou	Therapy	Reviewer	2018	2021
Francesco D'Aiuto	Therapy	Reviewer	2017	2020
Ivan Darby	Therapy	Reviewer	2017	2020
Luigi Nibali	Therapy	Reviewer	2017	2020

► **Table 4.** Current IADR PRG Abstract Reviewers and Group Program Chairs (GPCs)

# IADR Election Policy

Due to some confusions and questions by the members about the election process, we are providing the IADR election policy and describe the process once again in this edition. Starting in 2017, IADR Headquarter is handling the elections for the scientific group/network elections for the officer positions. Each IADR member or retired member receives a ballot for the IADR Vice-president and for the officers of any Scientific Group or Network. IADR Student

members only receive the ballot for the Scientific Group or Network they belong to. Successful candidates begin their term of service at the conclusion of the annual IADR General Session.

**Please, see below more details about the recent changes in the election process:**

## Excerpt from IADR Scientific Group/Network Governance Handbook:

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*“All current members of the SG/N are eligible to serve as officers of the SG/N and vote in the annual election. The annual election of officers is held in conjunction with the IADR general election for Vice-president. A current member is defined by a member of the SG/N that has paid the current year membership dues. Members are both those that have identified the SG/N as their primary affiliation or have added the SG/N to their annual membership.*

*Each SG/N must nominate a minimum of two individuals to stand for each elected position, vice-president every year and Secretary/Treasurer and Council every three years. Candidates may only stand for election for one position in each election. SG/N officers are able to be elected to the same office, but may not serve more than two consecutive terms for any elected office.*

*If an officer does not renew their membership at any time during their term, their term is terminated and remaining officers shall appoint a member of the SG/N to fill the vacant position for the remainder of the term. Individuals completing the term of office are still eligible to serve two consecutive terms for the same elected office.*

*SG/N that do not provide candidates may risk not receiving the SG/N membership dues collected for that year.”*

***Prospective candidates for the position of vice president, president-elect or president should have held at least 1-2 positions within the SG/N before the actual election date.*** This requirement allows for better and improved understanding of the general operations and limits disruptions of effective processes within the SG/N.



For additional information please review the IADR Scientific Group/Network Governance Handbook online at  
[www.iadr.org/Portals/69/docs/Groups/IADR\\_SGN\\_Governance\\_Handbook.pdf](http://www.iadr.org/Portals/69/docs/Groups/IADR_SGN_Governance_Handbook.pdf)

We encourage our members to help our Scientific Group's inclusive representation in leadership mission and continue nominations in a rotation between 4 major geographical regions that are presented in Figure 1. North America—Europe—Asia Pacific (includes Oceania) — Latin America (includes Caribbean). Our next Vice-president elected to the office for the years of 2020-2021, Shogo Takashiba, from Okayama, Japan, represents Asia Pacific.

We hope that candidates from Latin America is considered for the next Vice president position in 2021-2022, which then we would welcome nominees from North America and Europe for the periods of 2022-2023 and 2023-2024. All members in these respective regions are welcome to nominate their member colleagues or self-nominate through the IADR nomination process.

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## What are the highlights of the upcoming events organized by the PRG in 2019 IADR/AADR/CADR meeting in Vancouver, Canada?

Traditionally, the PRG will hold its annual business meeting held at the IADR General Session in Vancouver. PRG business meeting is a platform for the members of the IADR/PRG. The board of the PRG will present

updates on the performance of the group, its finances, and vision. It is open to the IADR/PRG members and those who are interested in becoming new members. We also welcome students to be engaged in PRG activities.

**20 June, 5 p.m-6 p.m. followed by a reception 6 p.m-7 p.m.**  
**IADR Periodontal Research Group**  
**Annual Business Meeting CC, Room 118**

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## Scientific Program

In addition to oral and poster presentations, PRG has organized or sponsored/co-sponsored a record number of Symposia/Workshop and Lunch and Learning sessions. Diverse topics are being presented by researchers from diverse ethnic and scientific areas representing our membership distribution.

### Keynote speaker

Wednesday, Jun 19, 2019

#### **Periodontal Pathogenesis**

**Keynote Address:** Too Much Oxygen Can Kill You — Back to Basics

**Presenter:** Iain Chapple

**3:15 pm. - 3:45 pm.**

CC, Room 213



# Symposia/Workshop

## 18 June, 9 a.m – 11 a.m.

Satellite Symposium 5 - Increase Your Proficiency In Carrying Out Effective Peer-reviews  
CC, Room 212  
Organizer: Jocelyne Feine, Effie Ioannidou

## 19 June; 8:30 a.m.–10 a.m.

Symposium 12 - Novel Nicotine Products and Oral Health: The Emerging Evidence Base  
CC, Room 201  
Organizer: Richard Holliday, Philip Preshaw

## 19 June; 10:15 a.m.–11:45 a.m.

Symposium 30 - Harassment in Science: Steps to No-tolerance-CC, Room 210  
Organizer: Effie Ioannidou, Ariadne Letra, Luciana Shaddox

## June 19, 10:15 a.m.-11:45 a.m.

Symposium 33 - NIDCR DOCTR Program: Interdisciplinary Translational Project Advancements - CC, Room 109  
Organizer: William Giannobile, David Kohn

## 19 June; 10:15 a.m.–11:45 a.m.

Symposium 34 - Revisiting Clinical Trials in the Era of Precision Dentistry; CC, Room 121  
Organizer: Andrea Mombelli

## 19 June; 1:30 p.m.– 3 p.m.

Symposium 51 - Periodontal and Systemic Associations: Shall We Include Mastication in the Loop? - CC, Room 218  
Organizer: Philippe Bouchard, Iain Chapple, Helene Range

## 19 June; 3:15 p.m.–4:45 p.m.

Symposium 72 - Localized Aggressive Periodontitis: Why is This a Different Entity?  
CC, Room 222  
Organizer: Luciana Shaddox, Luigi Nibali

## 20 June; 8 a.m.–9:30 a.m.

Hands-on Workshop 89 - Tenure x Non-Tenure: Which Career Track is Right for You? - CC, Room 201  
Organizer: Ariadne Letra, Tamanna Tiwari, Luciana Shaddox, Effie Ioannidou, Flavia Teles, Patricia Miguez

## 20 June; 2 p.m.–3:30 p.m.

Symposium 150 - The New Classification of Periodontal Diseases: Research Implications  
CC, Room 110  
Organizer: Panos Papapanou

## 21 June; 8 a.m.–9:30 a.m.

Symposium 203 - New Horizons in Periodontics – Personalized Scaffolds and Stem Cell Therapies  
CC, Room 301  
Organizer: Luiz Bertassoni, Marco Bottino

## 21 June; 8 a.m.–9:30 a.m.

Symposium 204 - New Insights into an Old Periodontal Pathogen: Treponema Denticola  
CC, Room 222  
Organizer: Hui Wu

## 21 June; 11 a.m.–12:15 p.m.

Industry-sponsored Symposium: Reducing the Burden of Periodontal Disease (Sponsored by P&G Professional Oral Health, Crest Oral-B)  
CC, Room 301  
Organizer: P&G

## 21 June; 2 p.m.–4 p.m.

Symposium 281 - Pathogenesis and Treatment of Periodontitis: Honoring the Legacy of Ricardo Teles - CC, Room 120  
Organizer: Magda Feres, Alpdogan Kantarci, Hatice Hasturk

## 22 June; 8 a.m.–9:30 a.m.

Symposium 319 - Biological and Clinical Implications of Oral Biofilms - CC, Room 302  
Organizer: David Herrera, Georgios Belibasakis

## 22 June; 8 a.m.–9:30 a.m.

Symposium 321 - Metabolic Syndrome, Diabetes and Periodontal Disease - CC, Room 210  
Organizer: Katleen Vandamme, Hatice Hasturk, Amjad Javed

## 22 June; 2 p.m.–3:30 p.m.

Symposium 374 - Molecular Commensalism – Current Insights into Host-flora Symbiosis  
CC, Room 222  
Organizer: Jens Kreth

# Lunch & Learning

Thursday, June 20, 2019  
CC West Ballroom D

**Table #07:** *"Oral microbiome in complications of latent HIV: Is it the chicken or the egg?"*  
Bruce Paster, The Forsyth Institute, Cambridge, USA

**Table #08:** *"Peri-Implantitis and treatment options: could the laser enhance the clinical endpoints?"*  
Jamil Shibli, Guarulhos University, Brazil

**Table #09:** *"Periodontal Regeneration: From the Lab to Clinical Application"*  
Anton Sculean, University of Bern, Switzerland

**Table #13:** *"RNA-sequencing Technology Driven Discoveries in Periodontics"*  
Fatemeh Momen-Heravi, Columbia University, New York, USA

**Table #17:** *"The new classification of periodontal diseases: rationale & implementation"*  
Iain Chapple, The University of Birmingham, UK

**Table #19:** *"Tips and Tools in Systematic Reviews"*  
Elena Figuera, Complutense Madrid, Spain

**Table #20:** *"Design, variable selection and interpretation of data in periodontal clinical trials"*  
Andrea Mombelli, University of Geneva, Switzerland

Friday, June 21, 2019  
CC West Ballroom D

**Table #25:** *"Long-term studies in periodontology: are they feasible?"*  
Christof Dorfer, Christian-Albrechts-University Kiel, Germany

**Table #26:** *"Multidisciplinary observational study designs: Examples from chronic kidney disease"*  
Effie Ioannidou, University of Connecticut, Connecticut, USA

**Table #27:** *"New insights on the individual and combined impacts of smoking and diabetes on periodontal tissues"*  
Poliana Mendes Duarte, University of Florida, Gainesville, USA/ Guarulhos University – Brazil

**Table #28:** *"Novel Research insights into the etiology and management of peri-implantitis"*  
Georgios Kotsakis, University of Washington, Seattle, USA

**Table #30:** *"Oral Hygiene Products Evaluation: Critical Aspects"*  
Fridus van der Weijden, University of Amsterdam, Netherland

**Table #31:** *"Prognostic factors and treatment options in periodontitis: furcation lesions"*  
Luigi Nibali, Queen Mary University of London, UK

**Table #36:** *"Understanding the Role of Proteoglycans/Glycosaminoglycans in Mineralized Tissue Homeostasis"*  
Patricia Miguez, University of North Carolina, USA

# In Memoriam



**Dr. Offenbacher** was a pioneer in “Periodontal medicine” studying the relationship between periodontal disease and systemic diseases including cardiovascular disease and adverse pregnancy outcomes. He had a profound influence on periodontal research with more than 350 publications to date. He was the recipient of numerous awards including 1999 IADR Distinguished Scientist Basic Research in Periodontal Disease Award; 1999 William J. Gies Foundation Healthy Mothers, Healthy Babies Coalition Special Impact Award; the 2006 ADA Norton M. Ross Award for Excellence in Clinical Research; 2008 AAP Educator Award for Outstanding Teaching and Mentoring in Periodontics; the 2014 AAP Distinguished Scientist Award; 2004, 2008, and 2009 AAP Clinical Research Award.



“The impact of **Dr. Robert J. Genco** on the field of periodontology is immeasurable. He was one of the founding fathers of the scientific era of periodontology, going far beyond descriptive studies into the basic mechanisms of disease. His insights and understanding were, in many cases, the basis for the concepts of modern periodontology. He was a leader in education, science, and public policy. His absence will leave a significant void in our profession”.

*From **Thomas E. Van Dyke**. Robert J. Genco, DDS, PhD: Legacy of a renowned and visionary periodontal researcher who shaped our knowledge of periodontitis and systemic diseases. Journal of Periodontology, 12 May 2019.*

Dr. Genco was a recipient of so many awards including the ADA Gold Medal Award for Excellence in Dental Research, ADA Norton M. Ross Award for Excellence in Clinical Research, AAP Gold Medal Award, AADR Distinguished Scientist Award, and SUNY Research Foundation Lifetime Achievement Award.

Two “In Memoriam articles” have been published honoring Dr. Genco and most recently, a “Discovery!” article has been published honoring another pioneer in periodontology, Dr. Ricardo Teles, we tragically lost in 2017. The front pages of these publications are seen below.

## In Memoriam

### Robert J. Genco, DDS, PhD (1938–2019)

M.A. Taubman<sup>1,2</sup> and W.V. Giannobile<sup>3</sup>



On March 6, 2019, Professor Robert J. Genco passed unexpectedly following a cardiac event at the University of Buffalo (UB), where he had worked for more than 50 years. Bob served at the highest levels of the associations, as president of the American Association for Dental Research (AADR) in 1985 and president of the International Association for Dental Research (IADR) in 1991. The oral health science research world community was rocked by the shocking loss of one of its most vibrant leaders, who was considered by many to be the foremost periodontal researcher and the “father of modern oral science.” For a detailed description of Bob Genco’s contributions to oral science, see last year’s Discovery! article “Robert J. Genco: Pioneer in Oral Science Advancement” (Taubman 2018).

Professor Genco was from Silver Creek, New York, and he received a doctorate in dental surgery from UB in 1963. He then acquired postdoctoral education in clinical periodontics and oral science, as well as a PhD in microbiology and immunology. He was supported by one of the first National Institutes of Health-awarded dental training grants at the University of Pennsylvania. Bob’s unique credentials enabled him to become

an assistant professor in 1967 at the first oral biology department in the United States at UB and the first such department to grant a PhD. Dr. Genco and his colleagues initiated a range of seminal work in the field of mucosal immunology, including the basis of induction of secretory IgA antibody. They also discovered IgA protease from oral streptococci.

Bob Genco had an auspicious start in oral science research. He was awarded the IADR Basic Research in Oral Science Award in 1975. This was a portent of things to come for Bob, who spent 50 years of his career learning, researching, and teaching oral science. Fortunately, he was educated in the oral aspects of periodontology, microbiology and immunology, and oral biology. This provided Bob with the background to pursue a career of oral science research. In 1978, UB was the recipient of a National Institutes of Health Periodontal Disease Research Center. As director, Bob established studies of bacteria associated with periodontal disease pathogenesis and evaluated immune response to those associated bacteria. He and his team found that immune dysfunction could contribute to periodontal pathogenesis. Dr. Genco had long been interested in an association between aspects of oral health and systemic illnesses. Bob was one of the first investigators to demonstrate such an association among diabetes, cardiovascular diseases, and periodontal disease. He continued an active research program until his last day, when he and his team were engaged in a clinical research meeting with a focus on the oral microbiome and periodontal disease progression.

In 1977 Bob was appointed chairman of the Department of Oral Biology, and he described the main mission of the department as carrying out fundamentally applied research related to oral disease. Bob held this position for 25 years, during which he and his departmental colleagues studied oral science in the areas of microbiology, immunology, oral biology, regenerative medicine, periodontal medicine, and periodontology. Bob and his team focused on these most important areas of oral science related to oral infectious diseases and were able to advance each area in the context of oral health sciences.

During this time, Bob also delved more deeply into oral science through educating students and mentees. Bob mentored more than 80 graduate and postdoctoral students. Many of

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## IN MEMORIAM

# Robert J. Genco, DDS, PhD: Legacy of a renowned and visionary periodontal researcher who shaped our knowledge of periodontitis and systemic diseases



1938–2019

I believe that every one of us in our lifetime likely encounters just a handful of unforgettable people who stand out as having a strong influence on our life. I know that's true for me. Bob Genco was one of those unforgettable people whom I was fortunate to know. I arrived at the State University of New York at Buffalo (SUNY Buffalo; now the University at Buffalo, UB) relatively early in his career and realized very quickly that he was a force destined for greatness. Among his many accomplishments, he is credited with leading a research program and a training program that gained national success over the years, and he was continuing on that path as a Distinguished Professor at UB with new ideas and new projects. It is indeed sad that his life ended far too soon. A polymath of enormous intellect, Bob's expertise went far beyond the science and clinical practice of periodontology to include music, art collecting, and myriad other subjects.

A graduate of Canisius College, Bob received his dental training at SUNY Buffalo and his residency training in periodontology at the University of Pennsylvania (UPenn)

with D. Walter Cohen. He received his PhD from UPenn as well, working under the mentorship of Fred Karush, an internationally recognized scholar in immunology. After earning his PhD, Bob returned to SUNY Buffalo to begin an academic career that spanned 55 years, where he achieved Distinguished Professor status and served in many academic and administrative roles.

Bob's contribution to dental science, and periodontology in and interests evolved over the years. His research in mucosal immunology was marked by several seminal discoveries. He and his colleagues described the molecular basis for local induction of secretory immunoglobulin A (IgA) antibody for mucosal vaccines, in addition to the biochemistry of secretory IgA, and they discovered IgA protease produced by oral streptococci.<sup>1,2</sup>

With the advent of thematic research centers supported by the Institute of Dental and Craniofacial Research, NIDCR, Bob became director of SUNY Buffalo's Periodontal Research Center in 1978, and his focus shifted to microbiology. He and his coworkers described many of the putative pathogens associated with periodontitis, and he introduced concepts relating to how the host-bacterial interaction leads to disease. His landmark work in this area set the stage for our current understanding of the inflammatory nature of periodontitis and how specific bacteria induce and evade the host response to perpetuate a chronic dysbiosis.<sup>3–7</sup>

Bob and his colleagues introduced the idea that local infectious inflammatory diseases like periodontitis could have an impact on systemic health and disease. Beginning with his studies of Pima Indians, he made the link between periodontitis and diabetic control.<sup>8,9</sup> His interest in epidemiology deepened and resulted in identifying the first set of risk factors for periodontitis and later contributed to our understanding of the risk that periodontitis poses for other diseases, including cardiovascular disease and diabetes.<sup>10–13</sup> At the time of his passing, Bob had moved into microbiome studies, setting up a next-generation sequencing laboratory with funding to conduct new studies on the role of

**Discovery!****Ricardo Teles: His Life and Contributions to Periodontology**

**M. Feres<sup>1</sup>, A. Kantarci<sup>2</sup>, R.J. Genco<sup>3†</sup>, P.N. Papapanou<sup>4</sup>,  
and W.V. Giannobile<sup>5</sup>** 

**Keywords:** periodontology/periodontics, mentorship, microbiology, immunology, oral health, periodontal diseases

**Ricardo Teles: The Person**

Dr. Ricardo Teles (Fig. 1) had an outstanding record of important contributions to periodontology in teaching, service, and research. While his life was cut so tragically short during the height of his career, he leaves a wonderful legacy of advancement of our field, which is described in this month's *Discovery!*

The third of 4 children of Olga Teles and José Carlos Borges Teles, Ricardo was born in 1967 in Indianapolis (Indiana, USA) when his father was pursuing a master in oral pathology under the supervision of William G. Shafer. When he was 7 months old, the family moved back to Brazil. Following his father's steps, Ricardo chose dentistry as a profession and earned his DDS at Federal University of Rio de Janeiro in 1988. From 1992 to 1996, he completed his DMSc program in oral biology and certificate in periodontology from the Harvard School of Dental Medicine. The passion for research started at the Forsyth Institute, where Ricardo developed his DMSc research project under the guidance of Philip Stashenko. At Forsyth, he also met Sig Socransky, Anne Haffajee, and Max Goodson—3 luminaries in the field of periodontology who would influence his entire career. Ricardo went back to Brazil in 1996 but never lost his connection with Forsyth, finally returning as a member of the staff in 2003 (Fig. 2). His 15-year-long professional career in the United States reflected a stellar trajectory.

Passionate about the host-microbial interplay and the search of more predictable periodontal treatments, Ricardo authored/coauthored several book chapters and more than 75 original studies and seminal reviews on these topics. At least 5 of his papers have been cited over 100 times. His work affected our field with an h-index of 38 and nearly 4,000 citations of his scholarly publications in clinical research in periodontology. The relevance of his findings earned him dozens of invitations to lecture and to participate in different workshops/consensus meetings all over the United States and abroad (Fig. 3). Those who had a chance to attend his presentations were immediately touched by his knowledge and charming personality. Ricardo was a fan and often the driver of heated and informed debates. But no matter how "lively" discussions became, he always managed to leave the meetings even more respected and with more friends.

Throughout his career, Ricardo was also very successful in sustaining funding for his research projects. In the last 8 years

of his life, he was the principal investigator of a robust and unique National Institutes of Health grant to study biomarkers of periodontal disease progression. He used to say that this would be his legacy to the field. Ironically, he passed away right when this study came to an end and the biostatistics analyses had only been initiated.

Besides being a fantastic scientist, Ricardo was a phenomenal clinician, a respected professor, and a natural born leader. This latter trait was reflected in the several important leadership positions he held during his career, including associate director of Forsyth's clinical and translational research (2010 to 2014), vice chair of the Department of Periodontology at the University of North Carolina (UNC) School of Dentistry (2015 to 2017), and chairman of the Department of Periodontics at the University of Pennsylvania School of Dental Medicine (2017). As a professor, he was adored by so many of his students and residents. He felt that teaching the next generation of periodontists was an honor and a privilege. Ricardo was genuinely happy with the success of his students and considered them simply "younger colleagues." In fact, he was posthumously nominated to the American Academy of Periodontology Outstanding Educator Award by 14 of the periodontology residents he taught during his 3 years at UNC.

Ricardo was active in the AADR/IADR scene. In 2018, the Periodontal Research Group of the IADR and the International Academy of Periodontology (IAP) established the IADR/IAP Ricardo Teles Clinical Research Award in Periodontology, in recognition of his contributions to clinical periodontal research. In 2019, colleagues that he collected during his prolific career

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