



Newsletter #2 – December 2018

<http://www.iadr.org/DMG/>



Yu Zhang  
President

*Promoting research and education  
Embracing diversity  
Increasing membership numbers*

**From the board:**

- ✓ Marco Bottino assumes President-Elect 2018-2019
- ✓ Carmem Pfeifer elected VP 2018-2019
- ✓ Marco Ferrari assumes Secretary/Treasurer position
- ✓ DMG first Members-at-Large have been appointed. More on page 7.

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# Message from the President, Yu Zhang



Dear DMG Members,

Each year, our Dental Materials Group (DMG) strives to advance research and promote education. This year was no exception. We had a very busy but productive 2018—with the joint 47<sup>th</sup> Annual Meeting of the AADR and 42<sup>nd</sup> Annual Meeting of the CADR in Fort Lauderdale, FL, USA (March 21–24), and the 96<sup>th</sup> General Session of the IADR in conjunction with the Pan European Regional Congress in London, UK (July 25–28). Between these two meetings, we received over 1,150 abstracts (239 oral presentations and 912 posters), and sponsored 16 keynote presentations, 8 Lunch & Learning topics, and 6 symposia. We are thrilled that many of the oral and poster presenters were our dental students, residents, and postgraduate students. Let's give a big round of applause to our motivated students and dedicated faculty! Special thanks also go to our diligent DMG members, who organized very successful scientific programs and dedicated their efforts to review the abstracts and put together the sessions and symposia.

Looking toward 2019, we will have a joint IADR/AADR/CADR meeting in Vancouver, BC, Canada (June 19–22). We have already received a large number of proposals for the symposium and Lunch and Learning topics. It is anticipated to be a large and successful meeting, and one in which, Dr. Marco Bottino will assume the presidency and Dr. Carmem Pfeifer will take on the President-Elect position. Marco and Carmem also oversee the scientific program for 2019 and 2020, respectively.

In 2020, IADR will proudly celebrate its 100 year anniversary—***“Celebrating Our Past. Launching Our Future.”***—to highlight its accomplishments and contributions to advance dental research and improve oral health worldwide. The centennial celebration will begin in 2019 with main events in 2020 in Washington, D.C., USA, and will continue through 2021. We encourage all DMG members to actively participate in this historic event.

As usual, I would like to remind everyone about the nominations for DMG Awards, including the Stephen Bayne Mid-Career Award and the Peyton-Skinner and Ryge-Mahler awards (due January 28<sup>th</sup>). I encourage all our members to participate in the nomination process.

Finally, I feel extremely privileged to serve as a president of the DMG. The main focus during my tenure is to promote research and education, embrace diversity, and increase our membership numbers. With that, I would like to seek your input, suggestions, and comments. Please don't hesitate to reach out to me and our board members. Together, we will take our DMG to a new level!

Wishing you all a wonderful holiday season and a happy, healthy, and prosperous 2019!

Sincerely,

A handwritten signature in blue ink that reads "Yu Zhang".

Yu Zhang, Ph.D., FADM  
DMG President

# Scientific Program at IADR – London, UK

## Overall program chair: Yu Zhang

DM1 – Paulo Cesar

[Yu Zhang, Ulrich Lohbauer, Garry Fleming, Grace De Souza]

DM2 – Carmem Pfeifer

[Ana Paula Fugolin, Christopher Felix, Isabel Lloyd, Yoav Finer]

DM3 – Jason Griggs

[William Brantley, David Berzins, Susana M. Salazar Marocho]

DM4 – Jorge Perdigao

[Viviane Hass, Rick Walter, Cynthia Yiu, Ana Sezinando, Nicola Scotti]

DM5 – Marco Bottino

[Josimeri Hebling, Fernando Esteban Flores, Lukasz Witek]

DM6 – William Palin

[Frederick Rueggeberg, Mary Anne Melo, Frank Pfefferkorn]

DM7 – Rade D. Paravina

[John Powers, Alessandro Vichi, Joe Ontiveros]

DM8 – Niek Opdam

[Josephine Esquivel-Upshaw, Norbert Kraemer, Max Cenci]

**Thanks to our sub-group chairs and reviewers – your efforts are highly appreciated!**

## Lunch and learning and symposia

### Lunch and Learning

- Table #3: Determining the Biocompatibility/Activity of Biomaterials for Tissue Engineering  
Speaker: Vinicius Rosa (National University of Singapore)
- Table #4: Advanced Bonding Approaches and Materials for Long-lasting Restorations  
Speaker: Salvatore Sauro (Universidad CEU Cardenal Herrera en Valencia)
- Table #18: We Need Durable Adhesion in Dentistry  
Speaker: Jukka Matinlinna (The University of Hong Kong)
- Table #19: Reverse Silica-Coating for Y-TZP Restorations  
Speaker: Susana Salazar Marocho (University of Mississippi Medical Center)
- Table #20: Digital Dentistry is Here to Stay  
Speaker: James Kit-Hon Tsoi (The University of Hong Kong)

### Symposia

- Functional Aspects of Natural and Artificial Load-transmitting Interfaces  
Organizer: Sunita Ho
- The Role of Nano-hydroxyapatite Technologies in Dentistry  
Organizer(s): Bennett Amaechi, Joachim Enax
- Biomolecules as Bioactive Components of Dental Materials and Implants  
Organizer(s): Conrado Aparicio, Faleh Tamimi
- Can the Present Glass-ionomers be Considered as Alternatives to Amalgam?  
Organizer(s): Sharanbir Sidhu, Maria Fidela de Lima Navarro

# Scientific Program at IADR

## Keynote sessions

### **DM1 Ceramic-based Materials**

Martin Rosentritt (University of Regensburg, Germany)

Title: Zirconia – differentiation, limitation and opportunities

### **DM2 Polymer-based Materials**

Christopher Bowman (University of Colorado, Boulder, USA)

Title: Click polymerizations as a potential candidate for dental restorative materials

### **DM3 Metal-based Materials and Other Materials**

Francesco Guido Mangano (BMC Oral Health, London, England)

Title: Direct metal laser sintering implants: from research to clinical applications

### **DM4 Adhesion-Bonding and Sealing**

Nathaniel Lawson (University of Alabama at Birmingham, USA)

Title: Adhesion to glass ceramics and zirconia: a closer look at the evidence

### **DM5 Biocompatibility, Bioengineering and Biologic Effects of Materials**

John Ricci (New York University, USA)

Title: Surface modification of implant surfaces to control tissue interaction

### **DM6 Instruments and Equipment**

Pete Tomlins (Queen Mary University of London, UK)

Title: Where does optical coherence tomography sit alongside pointy sticks and other oral measurement tools?

### **DM7 Color and Appearance**

Rade Paravina (University of Texas at Houston, USA)

Title: Color research: The state of the art

### **DM8 Clinical Trials**

Bas Loomans (Radboud University Medical Center, Netherlands)

Title: Restorative treatment of the severe toothwear patient: high failure due to high risk?

## Social Reception at IADR

### *DMG reception – Fox Excel*

July 25, 7 pm

Warehouse K, ExCel Centre

2 Western Gateway

London, E16 1DR



# Awards and Nominations



## Peyton-Skinner Award for Innovation



## Ryge-Mahler Award for Clinical Research

The Dental Materials Group (DMG) of the IADR makes two annual awards in recognition of the past contributions to Dental Materials science and research by four outstanding DMG scientists: Dr. Floyd Peyton, Dr. Eugene Skinner, Dr. Gunnar Ryge and Dr. David Mahler. The awards are made to recognize scientists who throughout their careers have made outstanding contributions to (1) innovation in dental materials (Peyton-Skinner award) and, (2) clinical research in dental materials (Ryge-Mahler award). Previous award winners are listed on the DMG home page (<http://www.iadr.org/DMG/>).

### Eligibility:

Nominations for the Peyton-Skinner award for innovation and Ryge-Mahler award for clinical research can be made by anyone but MUST include the following:

1. Nominee must be a current or past member of the IADR Dental Materials Group.
2. Nominations must include a Curriculum Vitae that provides supporting evidence that the nominee has made significant contributions to innovation in dental materials (Peyton-Skinner award) or clinical research in dental materials (Ryge-Mahler award).
3. A letter of nomination should highlight the major reasons and body of research/innovation for which the individual is being nominated. Work considered for this award should have resulted in publications in scientific, peer-reviewed journals and/or patents.

### Awards:

A plaque of recognition and cash award in the amount of \$2,000 will be made for each award. The cash award is intended to provide travel and other support related to attending the IADR annual meeting and receiving the award in person at the DMG business meeting or reception.

### Selection:

DMG Award committee will review individuals newly nominated and those not selected during the last three successive selection periods. The award recipient will be formally announced during the business meeting of the Dental Materials Group at the IADR General Session & Exhibition and honored during the reception that follows. The committee may elect not to present an award if there is not an appropriate nominee.

*Note: Past recipients of the IADR Wilmer Souder Award are not eligible, but acceptance of either of these two awards does not disqualify one for the Wilmer Souder Award.*



# Awards and Nominations



## Stephen Bayne Mid-career Award

The objective of this new Mid-Career Award is to recognize IADR members who have demonstrated significant contribution to the science and application of dental materials research by their mid-career with the aim to help attract and retain younger investigators in this field of dental materials research. To remain a vital and relevant organization, it is imperative for the DMG to maintain and invigorate our pipeline of researchers engaged in all aspects of traditional dental materials as well as materials-centered studies applied to the oral/facial complex. To encourage diverse, high-quality research perspectives and initiatives, we want to be fully inclusive in this outreach to include individuals from any institution as well as from all regions of the IADR - North America, Latin America, Europe, Africa/Middle East, Asia/Pacific.

### Requirements:

1. Nominee must be a current or past member of the IADR Dental Materials Group.
2. Nominee must have minimum of five years research experience beyond the granting of their PhD.
3. At least a three-year record of participation as lead author on abstracts presented at IADR or related DMG-sponsored programs.
4. Current CV along with two letters of support from established and productive DMG members as well as a brief narrative (one-page maximum) that highlights how the individual's prior research accomplishments are anticipated to transition in work going forward (specific details not necessary but a general idea of the intended research direction is requested).

### Award:

The award will consist of a plaque and the provision of \$5000 which will cover the travel to an IADR meeting within that same year to accept the award and undesignated gift for the purposes of fostering continued research.

**Sponsorship:** The Awards are supported by the Dental Materials Group of the IADR.

### Apply:

Deadline for nominations: January 29, 2019.

Please send nominations electronically to Dr. Mutlu Özcan, Chair of the Awards Committee of the DMG-IADR ([mutluozcan@hotmail.com](mailto:mutluozcan@hotmail.com))

# 2018 Members at Large

Members-at-large (MAL) were added to the DMG-IADR Executive Committee to broaden the representation of board members and develop a base for future officer elections Ideally, one MAL will be appointed for each of the IADR regions.

North American

Grace de Souza

University of Toronto



Latin American

Aline de Almeida Neves

University of Rio de Janeiro



Pan European

Josette Camilleri

University of Birmingham



Roberto Sorrentino

Naples University



Salvatore Sauro

Universidad CEU Cardenal



Asia/Pasific

James Tsoi

University of Hong Kong



# Treasurer's Report

The DMG finances are in good standing, and the account shows a balance of \$126,939 after reconciliation, as seen in detail in the table below. We thank all members and sponsors for their support.

IADR Dental Materials Group For the Nine Months Ending 9/30/2018				
	1st Quarter	2nd Quarter	3rd Quarter	YTD
<b>Beginning Balance</b>	<b>\$125,743.87</b>	<b>\$134,826.19</b>	<b>\$128,606.51</b>	<b>\$125,743.87</b>
<b>Revenue</b>				
Dues	16,029.00	3,117.00	510.00	19,656.00
Comp Dues	1,120.00	20.00	0.00	1,140.00
Award Contributions	75.00	0.00	100.00	175.00
Sponsorships	5,000.00	1,700.00	1,700.00	8,400.00
Reception - IADR Mtg	1,210.00	8,990.00	1,065.00	11,265.00
Reception - AADR Mtg	7,790.00	(50.00)	0.00	7,740.00
<b>Total Revenue</b>	<b>31,224.00</b>	<b>13,777.00</b>	<b>3,375.00</b>	<b>48,376.00</b>
<b>Expenses</b>				
Reception Costs	22,019.99	7,579.28	0.00	29,599.27
Awards, Fellowships, & Grants	0.00	280.00	5,000.00	5,280.00
Bank Charges	121.69	137.40	41.83	300.92
Contribution Expense	0.00	12,000.00	0.00	12,000.00
<b>Total Expenses</b>	<b>22,141.68</b>	<b>19,996.68</b>	<b>5,041.83</b>	<b>47,180.19</b>
<b>Net Income/Loss</b>	<b>\$9,082.32</b>	<b>(\$6,219.68)</b>	<b>(\$1,666.83)</b>	<b>\$1,195.81</b>
<b>Ending Balance</b>	<b>\$134,826.19</b>	<b>\$128,606.51</b>	<b>\$126,939.68</b>	<b>\$126,939.68</b>
Deferred Dues Ending Balance	0.00	0.00	0.00	0.00
Prepaid Expenses	0.00	0.00	0.00	0.00
<b>Adjusted Balance</b>	<b>\$134,826.19</b>	<b>\$128,606.51</b>	<b>\$126,939.68</b>	<b>\$126,939.68</b>



# Dental Materials Group Current Board Members



Yu Zhang  
President



Marco Bottino  
President-Elect



Carmem Pfeiffer  
Vice-President



Marco Ferrari  
Secretary-  
Treasurer



Sibel Antonson  
Councilor



Rade Paravina  
Corporate Liaison



Rick Carvalho  
Past-President



Lorenzo Breschi  
Sr. Past-President

# Dental Materials Group Sponsorship 2018



# Future Meetings



<http://www.iadr.org/2019IAGS>

## Important Dates

**January 14, 2019**

Abstract Submission  
Deadline  
Award/Competition  
Deadlines

**Late-March, 2019**

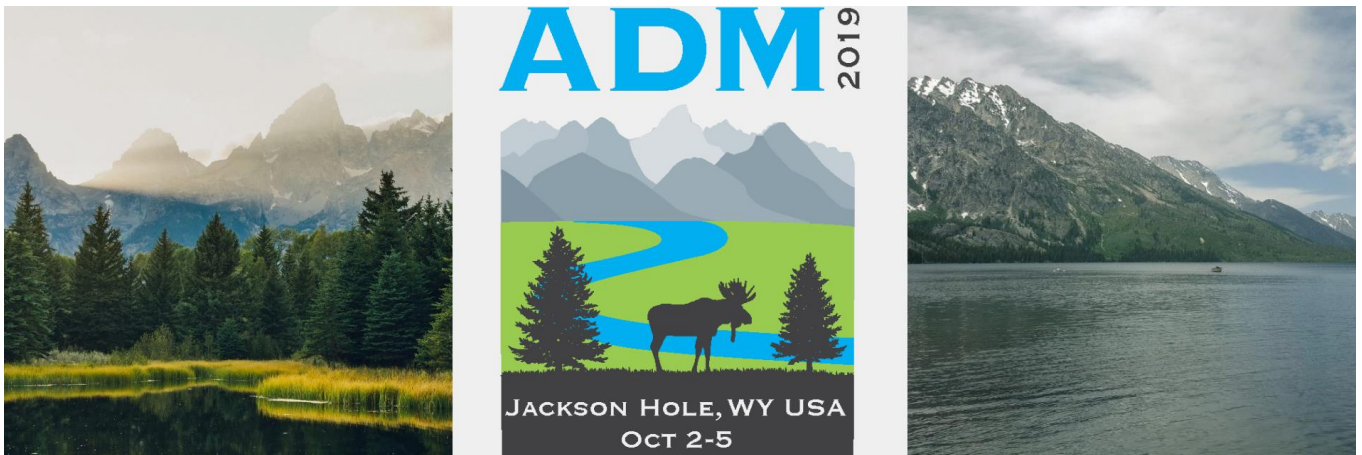
Notification Letters  
Sent to Presenters

**April 16, 2019**

Presenter Pre-  
registration Deadline

**May 1, 2019**

Non-presenter Pre-  
registration Deadline



<https://www.academydentalmaterials.org/meetings/future-meetings/>

The abstract submission deadline: **June 11, 2019**

Pre-Registration Deadline for Presenters: **July 22, 2019**

Final Acceptance: **August 3, 2019**