



**SCHOOL OF
DENTISTRY**

UNIVERSITY OF MICHIGAN



Expedited Orthodontics

Improving the Efficiency of Orthodontic Treatment through Novel Technologies



MOYERS
SYMPOSIUM | **2014**

THE SYMPOSIUM

Expedited Orthodontics

Improving the Efficiency of Orthodontic Treatment through Novel Technologies

For more than 100 years, orthodontists have strived to identify and utilize methods to expedite orthodontic treatment. Most of the current approaches aimed at achieving this goal rely primarily on physical or surgical techniques, and mechanical devices that have recently gained prominence in the field. However, there is limited cohesive, comprehensive and objective information on the efficacy of most of these approaches for expediting orthodontic treatment. Furthermore, the use of novel technologies and biomedicine in efficient delivery of

orthodontic treatment has not been fully realized. The 41st Annual Moyers Symposium and “Presymposium” will provide clinically relevant updates on this intriguing and in some instances controversial topic. The presenters will provide historical perspective, scientific evidence and clinical observations on a range of topics including the contribution of appliance design, and physical, surgical and biomedical approaches to expedite orthodontic treatment.



For further details see
www.moyerssymposium.org

FRIDAY 3|7|14 *Rackham Amphitheatre*

PRESYMPOSIUM

39th International Conference on Craniofacial Research

A detailed program for the "Presymposium" is available at www.moyerssymposium.org.

- 7:30 Registration
- 8:00 Clinical and Research Presentations on Expedited Orthodontics & Related Topics
- 12:00 Lunch
- 1:45 Clinical and Research Presentations on Expedited Orthodontics & Related Topics
- 5:15 – 7:30 Complimentary Social Event and Poster Presentation

Location: Assembly Hall of Rackham Auditorium

For information on abstract submission, Junior Investigator Travel Awards Competition and Poster please see www.moyerssymposium.org/friday-poster-session

REGISTER ONLINE

41st Annual Moyers Symposium

Dentist \$425 Resident/
Auxiliary \$250 Grad Student \$75

**EARLY BIRD
SPECIAL!**

Register by Feb. 1, 2014

Dentist \$385
Auxiliary \$195

SATURDAY 3|8|14 *Rackham Auditorium*

Session 1: Overview

Moderator: Sunil Kapila

- 9:00 Welcome
- 9:15 The 18th Annual Robert E. Moyers Memorial Lecture
Incorporating TADs and Sound Mechanics for Efficient Orthodontic Treatment
Ravi Nanda – The University of Connecticut School of Dental Medicine
- 10:15 Break
- 10:45 The Speed of Teeth in Orthodontics: Mechanical Limitations and Enhancements
Laura Iwasaki – University of Missouri Kansas City School of Dentistry
- 11:45 Lunch

Session 2: Surgically Facilitated Orthodontic Treatment

Moderator: James A. McNamara

- 1:30 A Critical Appraisal of Surgically Facilitated Orthodontics to Increase the Rate of Tooth Movement
Flavio Uribe – The University of Connecticut School of Dental Medicine

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If you have any questions, please call 734-763-5070

- 2:20 Accelerated Tooth Movement: From Rats To Humans
Christina Teixeira – New York University College of Dentistry
- 3:00 Break
- 3:30 The Application of Platelet Rich Plasma for Improving Efficiency of Orthodontic Tooth Movement
Eric Liou – Faculty of Dentistry, Chang Gung Memorial Hospital and Graduate School of Craniofacial Medicine, Taipei, Taiwan
- 4:10 Sendai Surgery First: Improving Efficiency of Surgical Orthodontics
Junji Sugawara – Private Practice, Sendai, Japan
- 4:50 Panel Discussion
Speakers from Sessions 1 and 2
- 5:15 – Complimentary Social Event and Poster Presentation
- 7:30 Location: Assembly Hall of Rackham Auditorium

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SUNDAY 3|9|14 Rackham Auditorium

Session 3: Appliance Design and Mechanical Approaches

Moderator: Nan Hatch

- 9:00 Are We Closer To Finding The Mechanisms For Accelerated Tooth Movement?
Sarandeep Huja – University of Kentucky College of Dentistry, Lexington
- 9:40 Another Look at Biology: Understanding New Technologies and Experiences from Two Clinical Trials
Chung How Kau – University of Alabama School of Dentistry
- 10:10 Modulation of Tooth Movement by Vibratory Forces
Dubravko Pavlin – University of Texas Health Science Center at San Antonio
- 10:40 Break
- 11:10 Ten Years with SureSmile: Clinical Prospects and Limitations
Ron Snyder – Private Practice, Apple Valley, Minnesota
- 11:40 Self-Ligation: A Gateway to Faster Treatment?
Nikolaos Pandis – Private Practice, Corfu, Greece and Visiting Assistant Professor, University of Bern, Switzerland
- 12:20 – Panel Discussion – *Speakers from Sessions 1 to 3*
- 1:00

POSTER PRESENTATIONS

The meeting will include poster presentations and a Junior Investigator Travel Awards Competition of timely and pertinent research relevant to orthodontics and craniofacial research. Participation in the poster presentation is open to all faculty, residents, students and clinicians. Junior Investigator Travel Awards of \$600 (first place) and \$400 (second place) each will be awarded for the best presentations on the strongest scientific work in the junior faculty / postdoctoral fellow and student categories. All presenters are required to submit an abstract of their work by January 15, 2014. For abstract forms and information on the poster session see Posters and Awards tab at www.moyerssymposium.org.



CRANIOFACIAL GROWTH SERIES

The presentations at all Moyers Symposium are documented in a Monograph published the following year. The proceedings of previous symposia, as well as other volumes in the Craniofacial Growth



Series are available for purchase at the Symposium or by placing an order electronically. For further information contact www.needhampress.com or scan the QR code.

Address for Symposium Location:

Rackham Building, 915 E. Washington Street, Ann Arbor, Michigan

SUPPORT THE SYMPOSIUM

The annual Moyers Symposium is considered to be one of the finest meetings in the fields of craniofacial biology and orthodontics. In order to sustain the high quality of the symposium your support is necessary to underwrite the expense of the symposium. All levels of donation are welcome. Those contributing \$300 or more will be acknowledged as contributors and will receive one of the published proceedings. If you want to become a "Friend," or if you have contributed in the past and would like to renew your support, please fill in the sections below and return the form to us with your check or credit card information. To ensure that your name is included in the Donors list of the volume now in preparation, please send your contribution in time to reach us by January 15, 2014.

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