OSTEOLOGY RESEARCH ACADEMY BOSTON

2021

PROGRAMME

4–7 October / «Research Design and Methodology»

Chaired by:
William V. Giannobile, USA
David M. Kim, USA
Myron Nevins, USA
MONDAY / 4 October 2021

07:30 – 08:30  REGISTRATION & BREAKFAST

08:30 – 08:45  Welcome and course introduction (Osteology & Participants)
William V. Giannobile, David Kim, Myron Nevins

08:45 – 10:00  From bench to chair-side: taking innovations to clinical trials and clinical practice
William V. Giannobile

10:00 – 10:30  COFFEE BREAK

10:30 – 11:45  Biologics of bone regeneration procedures
Myron Nevins and David Kim

11:45 – 12:45  LUNCH

12:45 – 14:00  Principles of oral and maxillofacial reconstruction
Maria Troulis

14:00 – 15:15  Precision medicine in dentistry
Kenneth Kornman

15:15 – 15:45  COFFEE BREAK

15:45 – 17:00  Scholarly publication and Osteology grants process
Kenneth Kornman and William V. Giannobile

17:00 – 17:15  Wrap-up (Q&A)
William V. Giannobile, David Kim, Myron Nevins

18:30 – 20:30  WELCOME RECEPTION
TUESDAY / 5 October 2021

07:30 – 08:30  COFFEE AND BREAKFAST

08:30 – 09:45  Biomaterial viscoelasticity and stem cell fate
                David Mooney

09:45 – 11:00  Molecular mechanisms of dental implant osseointegration
                Jill Helms

11:00 – 11:30  COFFEE BREAK

11:30 – 12:30  Research methods for guided tissue regeneration and guided bone regeneration
                Hom-Lay Wang

12:30 – 13:30  LUNCH

13:30 – 14:30  Statistical principles for studies in oral health research: theory
                Cathie Spino

14:30 – 15:30  WORKSHOP
                Statistical principles for studies in oral health research: practical application (part I)
                Cathie Spino

15:30 – 16:00  COFFEE BREAK

16:00 – 17:00  WORKSHOP
                Statistical principles for studies in oral health research: practical application (part II)
                Cathie Spino

17:00 – 17:15  Wrap-up (Q&A)
                William V. Giannobile, David Kim, Myron Nevins

18:30 – 21:00  TEAM DINNER
WEDNESDAY / 6 October 2021

07:30 – 08:30  COFFEE AND BREAKFAST

08:30 – 09:45  Oral microbiome and oral immunology in dentistry
               Flavia Teles

09:45 – 11:00  Strategies and methods in innate immunity for bone metabolism
to advance precision periodontal medicine
               Corneliu Sima

11:00 – 11:30  COFFEE BREAK

11:30 – 12:30  WORKSHOP
               Strategies and methods in innate immunity for bone metabolism
               and skeletal disease analysis (part I)
               Corneliu Sima and Francesca Gori

12:30 – 13:30  LUNCH

13:30 – 14:30  WORKSHOP
               Strategies and methods in innate immunity for bone metabolism
               and skeletal disease analysis (part II)
               Corneliu Sima and Francesca Gori

14:30 – 15:45  Clinical application of imaging techniques to assess oral soft
               and hard tissue regeneration
               Bernard Friedland

15:45 – 16:15  COFFEE BREAK

16:15 – 17:30  Histology, histomorphometry and immunohistochemistry
               Darnell Kaigler

17:30 – 17:45  Wrap-up (Q&A)
               William V. Giannobile, David Kim, Myron Nevins
THURSDAY /
7 October 2021

07:30 – 08:30  COFFEE AND BREAKFAST

08:30 – 10:30  WORKSHOP
Design a clinical research project applying histological analyses
Darnell Kaigler

10:30 – 11:00  COFFEE BREAK

11:00 – 12:00  Digital dentistry for implant reconstruction
Jennifer Chen

12:00 – 13:00  Evidence-based dentistry for oral soft tissue regeneration
Lorenzo Tavelli

13:00 – 13:15  Closing
William V. Giannobile, David Kim, Myron Nevins
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