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MINI-RESIDENCY  
**ADVANCED**  
**TOPICS**  
**IN ORTHODONTICS**



Join us for a week of immersion on the latest advances in orthodontics. Get hands-on training on accelerated tooth movement procedures, TADs and precise mechanics. Meet the orthodontists/scientists who are shaping the future of our specialty.

The program includes:

- Course syllabus and hands-on training materials
- Mechanotherapy in Orthodontics Vol.1 App for iPad
- Official group photos with course professors
- Daily continental breakfast and coffee break
- Closing luncheon and Continuing Education credit issuance

### **Monday, October 15, 2018**

#### Basic Mechanotherapy

|               |  |
|---------------|--|
| 8:30 – 9:00   | Breakfast  |
| 9:00 – 10:30  | Review in Biomechanics<br><i>Mani Alikhani, DMD, PhD</i> |
| 10:30 – 10:45 | Coffee break   |
| 10:45 – 12:00 | Hands-on: One and Two Couple System                      |
| 12:00 – 1:00  | Lunch  |
| 1:00 – 2:45   | Stages of Treatment<br><i>Mani Alikhani, DMD, PhD</i>    |
| 2:45 – 3:00   | Coffee break   |
| 3:00 – 4:30   | Hands-on: Leveling and Aligning                          |

### **Tuesday, October 16, 2018**

#### Biology of Orthodontics

|               |  |
|---------------|--|
| 8:30 – 9:00   | Breakfast  |
| 9:00 – 10:30  | Biology of Tooth Movement and Accelerated Orthodontics<br><i>Cristina Teixeira, DMD, MS, PhD</i> |
| 10:30 – 10:45 | Coffee break   |
| 10:45 – 12:00 | Hands-on: Micro-osteoperforations  |
| 12:00 – 1:00  | Lunch  |

#### Skeletal Corrections: Children and Teens

|             |  |
|-------------|--|
| 1:00 – 2:45 | CNS Theory and Class II Correction in Children & Teens<br><i>Mani Alikhani, DMD, PhD</i> |
| 2:45 – 3:00 | Coffee break   |
| 3:00 – 4:30 | Hands-on: MARA, Twin Block, Bionator, and Headgear                                       |

## Wednesday, October 17, 2018

### Skeletal Corrections: Children and Teens

|               |   |
|---------------|---|
| 8:30 – 9:00   | Breakfast   |
| 9:00 – 10:30  | Arch Development<br><i>Cristina Teixeira, DMD, MS, PhD</i>                                |
| 10:30 – 10:45 | Coffee break  |
| 10:45 – 12:00 | Hands-on: Lip Bumper and Bonded RPE Adjustment  |
| 12:00 – 1:00  | Lunch   |
| 1:00 – 2:45   | CNS Theory and Class III Correction in Children & Teens<br><i>Mani Alikhani, DMD, PhD</i> |
| 2:45 – 3:00   | Coffee break  |
| 3:00 – 4:30   | Hands-on: Class III Correction Setup  |

## Thursday, October 18, 2018

### Advanced Mechanotherapy

|               |  |
|---------------|--|
| 8:30 – 9:00   | Breakfast  |
| 9:00 – 10:30  | Part I: Basics of TADs and their Clinical Applications<br><i>Mani Alikhani, DMD, PhD</i>   |
| 10:30 – 10:45 | Coffee break   |
| 10:45 – 12:00 | Part II: Cortical Drifting and its Clinical Applications<br><i>Mani Alikhani, DMD, PhD</i> |
| 12:00 – 1:00  | Lunch  |

### Treatment of Complex Malocclusions

|             |  |
|-------------|--|
| 1:00 – 2:30 | Hands-on TADs and their different applications   |
| 2:30 – 2:45 | Coffee break   |
| 2:45 – 4:30 | Treatment of Complex Adult Class II & Class III Patients<br><i>Mani Alikhani, DMD, PhD</i> |

## Friday, October 19, 2018

### The Future of Orthodontics

|               |   |
|---------------|---|
| 8:30 – 9:00   | Breakfast   |
| 9:00 – 10:30  | CTOR & The Future of Orthodontics<br><i>Mani Alikhani, DMD, PhD</i>   |
| 10:30 – 10:45 | Coffee break  |
| 10:45 – 11:45 | The CTOR PBRN: Engaging Private Practitioners<br>in the Translational Orthodontic Research Enterprise<br><i>Jeanne M. Nervina, DMD, PhD</i> |
| 11:45 – 12:00 | Closing Remarks<br><i>Mani Alikhani, DMD, PhD</i>   |
| 12:30 – 2:30  | Luncheon & Certificate Presentation   |

# SPEAKERS



## Mani Alikhani, DMD, MS, PhD

Dr. Mani Alikhani is a faculty at Harvard School of Dental Medicine and the Forsyth Institute. He obtained his BS in Physics, MS in Biomedical Engineering, and PhD in Molecular Biology. He has a DMD degree from Tufts University, and a Certificate of Orthodontics from New York University. Dr. Alikhani is a founding member and Director of the Consortium for Translational Orthodontic Research (CTOR, [orthodonticscientist.org](http://orthodonticscientist.org)), the only center of its kind dedicated to translational research in the field of orthodontics located in Hoboken, NJ. His research efforts in orthodontics and bone biology have produced many patents for accelerated tooth movement and enhanced bone formation in craniofacial skeleton. Dr. Alikhani is the author of numerous articles, chapters, and books, and a renowned expert in non-surgical treatment of severe malocclusions. He has private practices dedicated to Orthodontics in Brooklyn, NY, and Hoboken, NJ.



## Cristina Teixeira, DMD, MS, PhD

Dr. Cristina Teixeira is Associate Professor in the Department of Orthodontics at New York University College of Dentistry. She graduated from University of Pennsylvania where she earned her DMD degree, Certificate of Orthodontics, Masters in Oral Biology, and PhD in Developmental Biology. Dr. Teixeira's research on bone growth and development has received support from the NIH and different international research foundations. Dr. Teixeira has received numerous awards and recognitions, published extensively in peer-reviewed journals, served as mentor to many graduate and undergraduate students, and presented her work at national and international conferences. She is a founding member of the Consortium for Translational Orthodontic Research and has a private practice dedicated to Orthodontics in Hoboken, NJ.



## Jeanne Nervina, DMD, PhD

Dr. Jeanne Nervina is Assistant Professor in Department of Orthodontics at New York University College of Dentistry and Director of the Department's Craniofacial Orthodontics Clinic. She earned her DMD and PhD at the University of Connecticut and her Orthodontics Certificate at UCLA. As a CTOR member, molecular bone and developmental biologist, and an orthodontist, Dr. Nervina's research focuses on developing "smart" orthodontic appliances and innovative treatments for children with craniofacial anomalies. Dr. Nervina has published numerous articles and chapters and has a private practice in Hoboken, NJ.

## REGISTRATION INFORMATION

### Registration Fee

Orthodontist/Dentist \$4,000 Student \$3,000

### Registration Deadline

Program deadline - August 31, 2018

**Discounted fees and alternative dates available for group of 10 or more.**

Website: [www.ctor.academy](http://www.ctor.academy)

Email: [healthpromotion@ctor.academy](mailto:healthpromotion@ctor.academy)

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