



FELLOWSHIP PROGRAMS

Program Director



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 renowned for his innovative approaches to accelerated tooth movement and non-surgical treatment of severe malocclusions.

CTOR.



CLINICAL FELLOWSHIP





The Clinical Fellowship is a full-time one year program that includes lectures, pre-clinical hands-on experience, observation of patient care/orthodontics procedures, for doctors that do not have a New Jersey Dental License, and hands-on clinical experience for doctors that have a New Jersey Dental License.

This program has two modules. The first part of the program provides a comprehensive overview of Orthodontics and Dentofacial Orthopedics. Fellows receive training in Orthodontics diagnosis and treatment planning, review of Orthodontics appliances and their applications, basic biomechanics principles and early interceptive Orthodontics approaches. The second part of program (Module II) combines the latest tools of mechanotherapy that allow clinicians to treat complex malocclusions - including skeletal discrepancies - with an efficient and predictable approach.

Module I Basic Orthodontics

This program offers a comprehensive overview of the field of Orthodontics and Dentofacial Orthopedics. Fellows receive training in orthodontic diagnosis and treatment planning, review of orthodontic appliances and their applications, basic biomechanic principles and early interceptive orthodontic approaches. Orthodontic principles are taught through didactic and hands-on sessions, followed by clinical observation.



Course Highlights

- History of Orthodontics and review of orthodontic appliances and their applications
- Growth of the face and jaws and growth modification approaches
- Movement of teeth and stages of Orthodontic Mechanotherapy
- Basic biomechanics principles and their clinical applications
- Treatment of simple orthodontic cases (Class I, II and III dental malocclusions)
- Early interceptive orthodontic treatment
- Principles of removable appliances, including clear aligners
- Hands-on experience of diagnostic records, fixed appliance placement, wire bending, indirect bonding, orthopedic fabrication and adjustment.

Module I Advanced Orthodontics

The Advanced Orthodontics course combines the latest orthodontic treatment approaches with basic biomechanics principles that allow the clinician to treat severe malocclusions with an efficient and predictable approach. Combining precise mechanics with the latest advances in bone biology teaches attendees new concepts and technologies that accelerate tooth movement and expand the boundaries of orthodontic corrections.



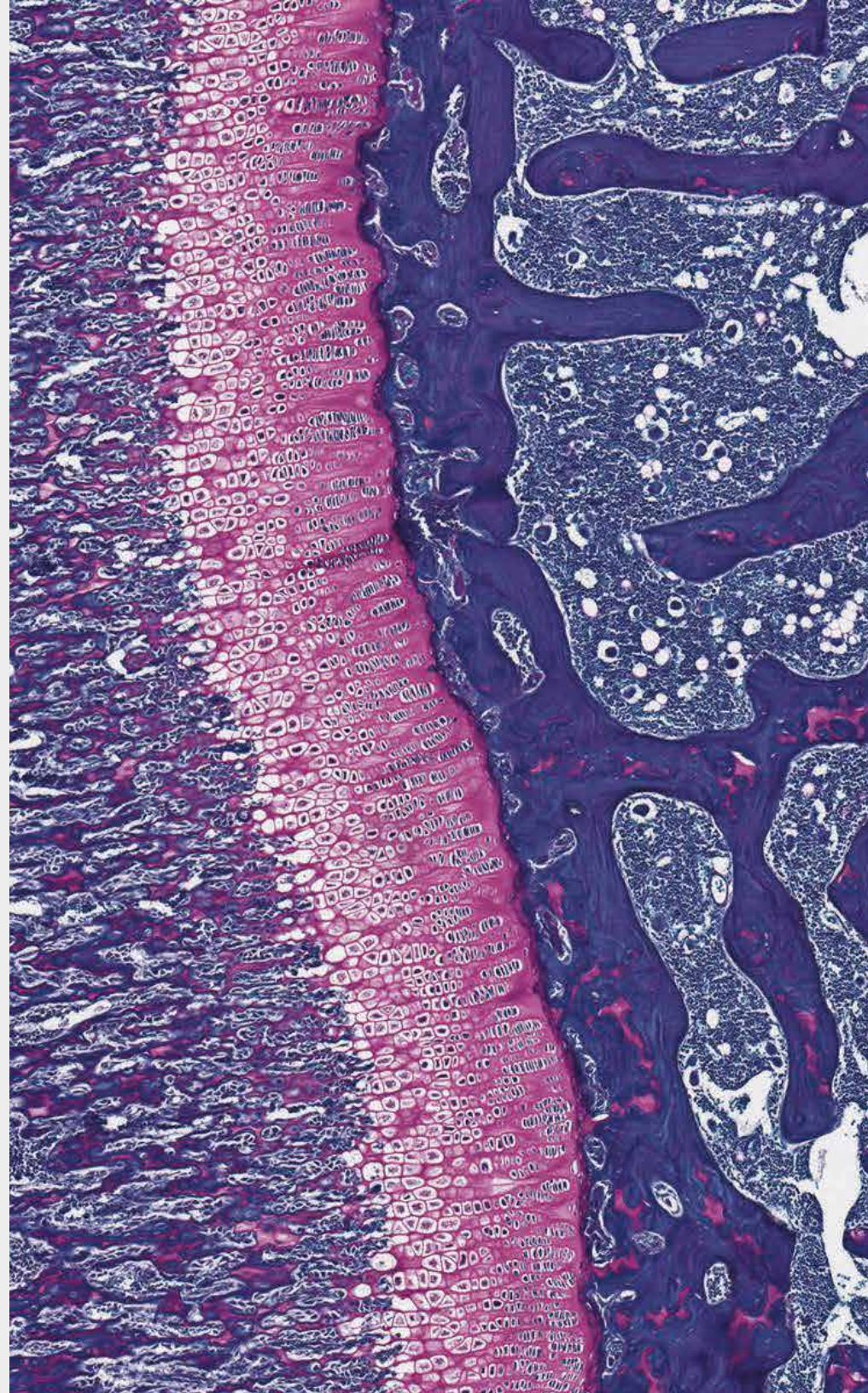
Course Highlights

- Non-surgical treatment of complex orthodontic cases
- Treatment options for Class II and III complex skeletal malocclusions
- Guidelines for TAD placement and their clinical applications
- Accelerated tooth movement and cortical drift techniques
- Transverse discrepancies and adult expansion
- Observation of complex cases treatment in the clinic
- Retention and relapse
- Hands-on training on accelerated tooth movement, TADs and advanced biomechanics set up

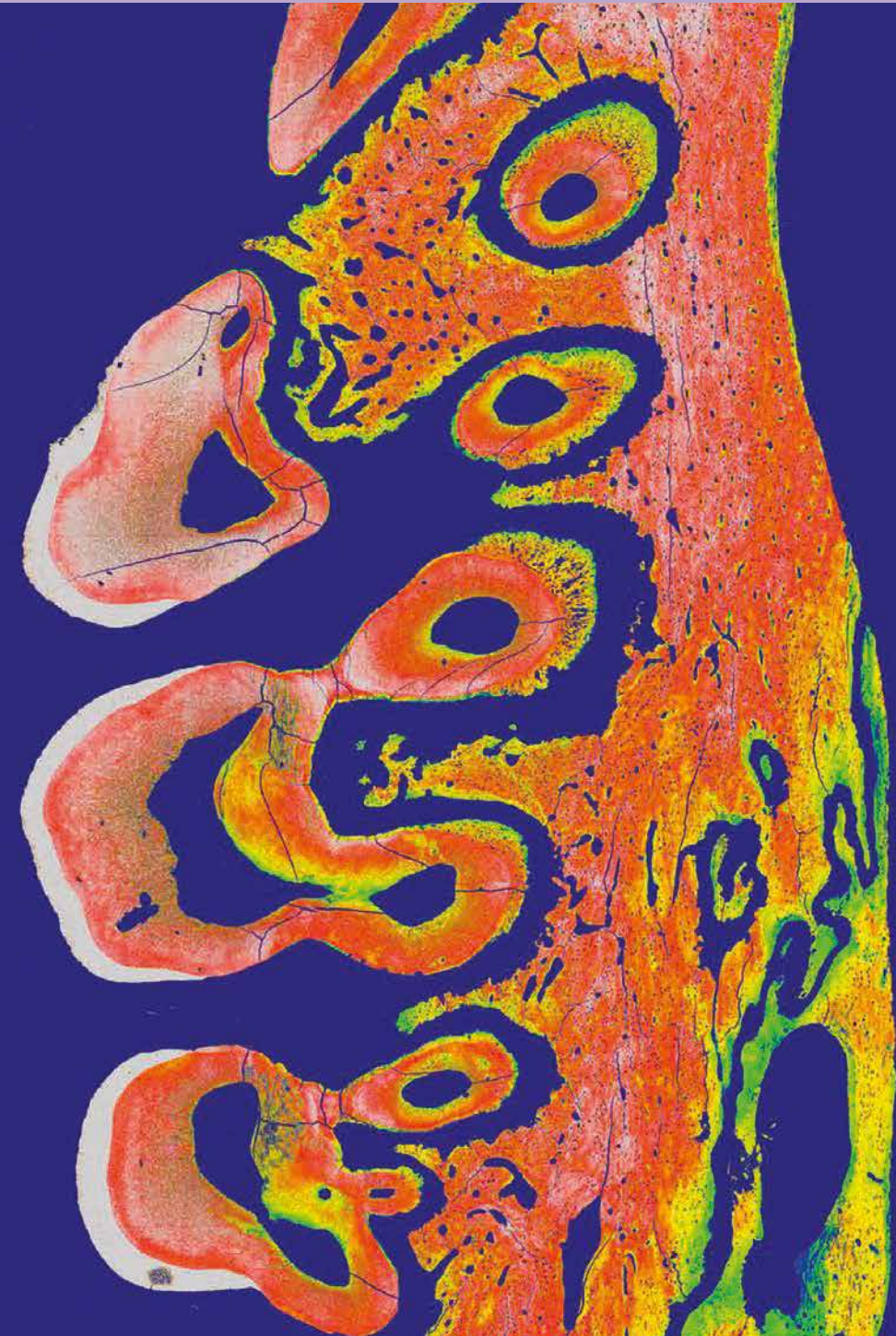


RESEARCH FELLOWSHIP

CTOR Research Fellowship includes 2 modules of 6 months each. This is a full time translational research training opportunity with exposure to didactic and hands on experience on different research methodology (histology, immunostaining, microCT, molecular biology techniques), animal research and clinical trials.



Module I Fundamental of Research



This fellowship is designed to provide fundamental training in craniofacial and orthodontics research for clinicians that want to widen their skills and knowledge on conducting animal and clinical research, with the objective of accelerating translation of findings into clinical applications.

Course Highlights

- Research Designs and Protocol Development
- Animal research models
- Laboratory Safety
- Histology and immunostaining
- Light and Fluorescence Microscopy
- Protein Analysis
- ELISA methodology
- RNA and DNA Analysis

Module I Translational Research

The translational research module utilizes the skills acquired in Module I to bridge the gap between basic science and clinical practices. Fellows will also have the opportunity to present their research results at national and international professional conferences and publish in high-impact journals

Course Highlights

- Clinical trials research
- Data analyses
- Histomorphometry
- Micro-CT Analysis
- Original publications in peer reviewed journals
- Ethics in Biomedical Research
- Grant writing skills
- Poster/Oral presentations at national & international conferences



2020 Programs

Calendar & Tuition

Translational Research Track

Module I: Sep 8, 2020 - Jan 31, 2021

Tuition Fee: \$25,000

Module II: Feb 1, 2021 - July 15, 2021

Tuition Fee: \$25,000

Module I + II: Sep 8, 2020 - July 15, 2021

Tuition Fee: \$45,000

Clinical Track

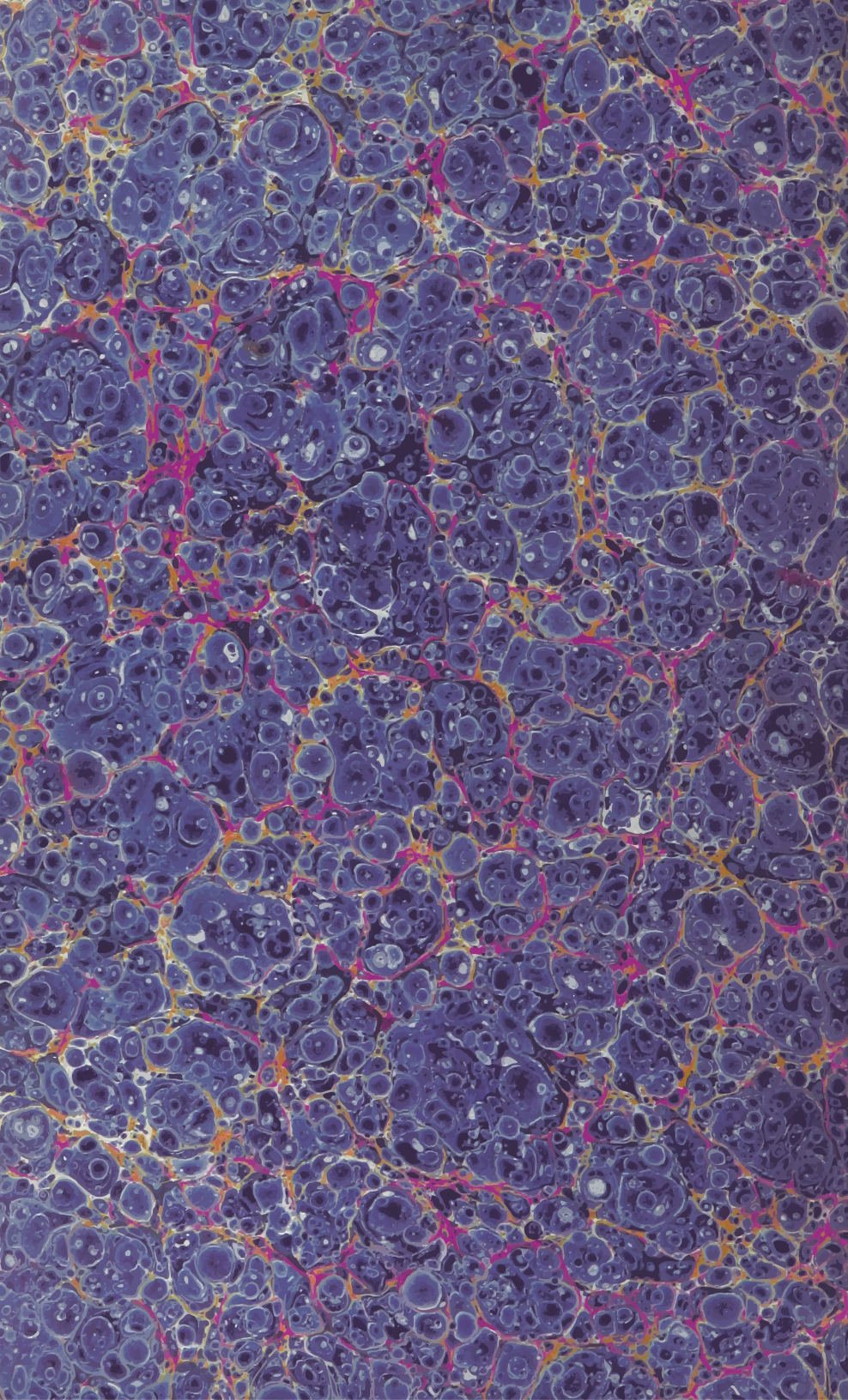
Sep 8, 2020 to July 15, 2021

Tuition Fee: \$70,000

Application

Candidates are required to submit the following documents via **info@ctor.academy** by July 15, 2020:

1. Complete application form
2. Complete dental school transcript, or equivalent, listing the subjects taken and grades earned (in English, and the language taught at the dental school or university)
3. Dental school diploma, or equivalent (in English and the language taught at the dental school or university)
4. Specialty (such as orthodontics) program transcript, if any (in English and in the language taught at the dental school or university)
5. Specialty program certificate (in English and the language taught at dental school)
6. Letter of recommendation/s from the dental dean, professor or supervisor (in English, signed and in official letter-header)
7. TOEFL or IELTS score report
8. Personal statement, addressing the candidate's background, why s/he is interested in CTOR, what his/her expectations are from the CTOR Fellowship, and his/her career goal after completing the CTOR Fellowship.
9. Curriculum vitae



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For more information and to apply contact
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