

The top half of the image shows a detailed, ornate ceiling with intricate carvings of figures and patterns. A large, circular, recessed light fixture is illuminated, casting a warm glow. The overall color palette is golden-brown and yellow.

Prof. L. Vanini - Dr. F. Cardarelli

# Bio-dentistry from direct and indirect restorative dentistry to elastodontics

The bottom half of the image shows a perspective view of rows of white plastic chairs in an auditorium or lecture hall. The chairs are arranged in a curved pattern, and the background is a soft, out-of-focus light color.

**30<sup>TH</sup> NOVEMBER 2024**

**Museo Nazionale Scienza e Tecnologia  
Leonardo Da Vinci, Milan - Italy**



***The course aims to provide the clinician with the necessary foundations for an accurate analysis of clinical cases from a conservative, prosthetic and orthodontic point of view.***

Modern dentistry increasingly prioritizes aesthetics, focusing heavily on whitening, and aligning the teeth. This often neglects the function and health of the entire neuromuscular and temporomandibular system. Current therapies tend to be conservative and additive, relying heavily on adhesives and minimally invasive orthodontics to achieve the desired tooth alignment. Unfortunately, these methods can lead to joint, vestibular, and myofascial problems after treatment and even to relapses as they fail to establish a stable, balanced occlusion that harmonizes with the neuromuscular and postural system. Emerging scientific and clinical evidence highlights the strong connection between the stomatognathic apparatus (mouth and jaw system) and the entire body. This system influences the balance of organs like the ear, eye, and musculoskeletal system. In simpler terms, functional disorders of the occlusion, temporomandibular joint, and masticatory muscles can cause dysfunction in various areas like the head, cervical spine, scapular girdle, pelvis, lower limbs and feet, ultimately affecting a patient's well-being. These disorders can be responsible for pain symptoms that significantly impact the quality of life for children, adults, and the elderly. Biodentistry is a holistic approach to dentistry that utilizes orthodontic forces and materials that respect function, joints and neuromuscular system. This makes biodental therapies ideal for promoting overall patient health. Discomfort from missing teeth, forced tooth positioning, unbalanced occlusal surfaces, or a lack of minimal resilience can create cortical changes that disrupt the brain's natural neuroplasticity.

## Program

- 9.00 - 11.00 Prof. Lorenzo Vanini  
11.00 - 11.30 Coffee Break  
11.30 - 13.00 Prof. Lorenzo Vanini  
13.00 - 14.00 Free Lunch break  
14.00 - 16.00 Dr. Filippo Cardarelli  
16.00 - 16.30 Coffee Break  
16.30 - 18.00 Dr. Filippo Cardarelli



### PROF. LORENZO VANINI

Occlusion and Posture: postural syndrome.  
Problems related to postural imbalance.  
Temporomandibular joint.  
Pathologies of the temporomandibular joint in magnetic resonance images.  
The treatment of postural syndromes:  
Type and choice of bites  
"Myofascial" cases  
Orthodontic cases  
OVD increase  
Complex Cases  
Physiotherapy: home exercises for patients and recommended physiotherapy session.

### DR. FILIPPO CARDARELLI

Bio-orthodontics: functional orthodontics in the growing patient and in adults.  
Elastodontics and Occlusion: why early therapy starting from the deciduous dentition.  
Elastodontics: differences, advantages and limitations compared to conventional orthodontics.  
Classification of elastodontic appliances.  
The therapeutic sequence for the correction of skeletal, dental and functional malocclusions.  
The treatment of the main malocclusions in growing patients and adults.  
The role of speech therapy and physiotherapy in orthodontics.  
Relationship between elastodontic therapy and myofunctional therapy.  
Multidisciplinary treatment.

## For Registration



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## Organizational Secretariat

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## With the unconditional contribution of



## Price

**€ 244,00**

**Early booking by 10/30/24: € 183,00**

## Terms of payment

- Bank transfer to the e20 S.r.l. account  
BPER Banca Agenzia 7 - Genova  
IBAN: IT 58J05 387 014 070 000 470 48850  
SWIFT: BPMOIT22XXX
- Online via the website [www.e20srl.com](http://www.e20srl.com)

In case of non-participation, a refund will be made net of the Secretariat's fees (50% of the registration) only if the written cancellation is received by the Secretariat no later than 15 days before the event for proven reasons. Registrations will be considered valid only if accompanied by the registration fee or the bank transfer receipt.

## Course location

**MUSEO NAZIONALE SCIENZA E  
TECNOLOGIA LEONARDO DA VINCI**

Via San Vittore 21, Milan - Italy

## Parking

### **CARDUCCI PARKING IN VIA OLONA 2**

The paid car park is located 200 meters from the main entrance in via San Vittore and adjacent to the entrance to the Aeronavale Pavilion in via Olona 6bis.