



Seminar@ISM

organized by



CNR
Istituto di Struttura
della Materia

When?

April, 2025
12:30 PM (CEST)

Where?

@ Aula Silvestri
CNR
P.le A. Moro, 7
Rome



Health & BIO

16

April 2025

Jennifer Weiser

The Cooper Union
New York - USA

The Rational and (Sometimes) Irrational Design of Biomaterials for Medical Applications

Hip implants, heart valves, and drug-eluting wafers are biomaterials that interact with the body. Biomedical innovation follows two paths: designing materials for specific needs, like contact lenses and surgical sutures, or repurposing biocompatible materials without clear uses. Some breakthroughs arise unexpectedly—modern contact lenses came from WWII pilots with plastic fragments in their eyes causing no harm, while tissue engineering began by repurposing surgical sutures as cell scaffolds. This talk explores biomaterials created for one purpose and later adapted for different applications

Info at

www.ism.cnr.it/seminar-ism

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