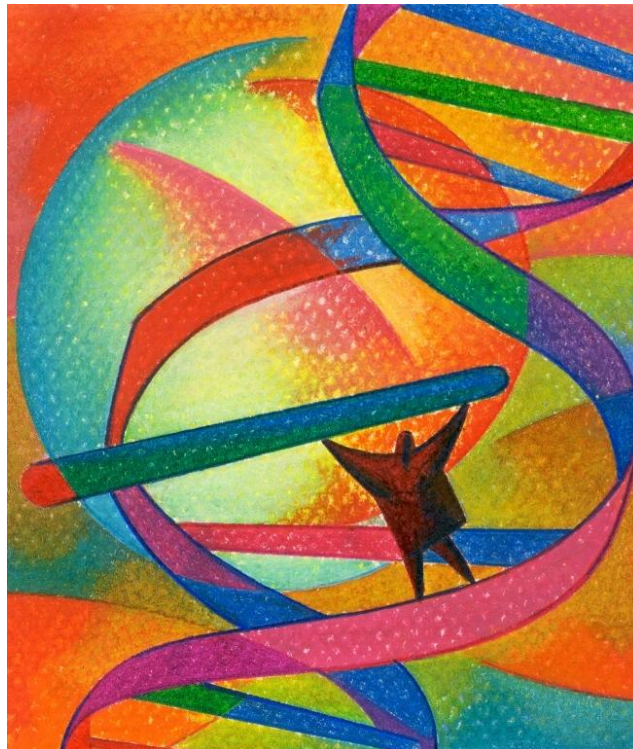


# 3<sup>rd</sup> Quantumbionet Workshop & COST-EU: Bioinspired Nanotechnology Pre-meeting

24<sup>th</sup> September 2010, Pavia, Italy



Università degli Studi di Pavia  
*Quantumbiolab – Dipartimento di Chimica Farmaceutica*  
*Centro Interdipartimentale in Scienze Cognitive*  
Aula Volta  
Via Strada Nuova 65  
Pavia

Notes:

Languages of the Workshop : **Italian and English**

There is **no fee** to participate to the Workshop

The overall objective of this open meeting is to change the logic of mechanical science to respond to the need of understanding general interactions of light, sound and matter at the bio-nano space/time.

This objective is part of the COST-EU 2010-Strategy aimed to transform Europe in a society based on knowledge and innovation subsequent to the transition from a system based on mechanical industry to the development of KBBE (Knowledge Based Bio Economy).

The nanoscience and life sciences based on molecular genetics are to be considered important enablers for the successful completion of the socio-economic change.

To successfully develop the EU-KBBE strategy into society, it is necessary to focus the major break-through of the cognitive and productive development. This requires a broad understanding of the creativity of people in science and art.

Therefore the meeting wants to question the need for extensive disclosure of KBBE strategy. That should be based both on a deep conceptual innovation of bio-and nanosciences focused on popularization of nano- & biotech development.

Suggested themes for Meeting handled in terms of disclosure of science by contemporary art will be:

- a) **Bio-Nano Photonics and Phononics Entanglement in Science and Contemporary Art**
- b) **Quantum Mind Updates**
- c) **Quantum Paradigm in Psychopathology**
- d) **COST-EU Action Pre-meeting Bio-inspired Nanotechnologies: from concepts to applications.**

--> **More INFO to: Massimo Pregolato** <[maxp@quantumbionet.org](mailto:maxp@quantumbionet.org)>

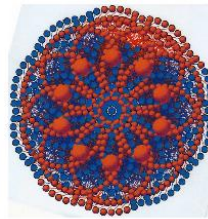
--> **and to : Paolo Manzelli** <[lre@unifi.it](mailto:lre@unifi.it)>, <[pmanzelli.lre@gmail.com](mailto:pmanzelli.lre@gmail.com)>



**The VIRTUAL INTERNATIONAL ENTERPRISE is a free NETWORK of  
TRANSDISCIPLINARY RESEARCH & DEVELOPMENT in SCIENCE & ART  
for ENHANCING KNOWLEDGE ECONOMY**

<b>9:00</b>	<b>Registration (the workshop is free of charge)</b>		
<b>9:30</b>	<b>Opening sessions: Authority Greetings</b>		
<b>9:50</b>	<b>Session: Bio-Nano Photonics and Phononics Entanglement in Science and Contemporary Art</b>		
	L' evoluzione dei criteri di ricerca nelle scienze della vita nel quadro dello sviluppo della green economy	Paolo Manzelli	Egocreanet. Dipartimento di Chimica, Università di Firenze
	Quantum Art	Roberto Denti	Gruppo Arte Quantistica Milano
	Nanocultura e Nanoarte	Pietro Antonio Bernabei	Studio: via de' Fossi 4 50123 Firenze Italy
<b>11:15</b>	<b>Session: Quantum Mind Updates</b>		
	Quantum Networks	Eliano Pessa	Dipartimento di Psicologia e Centro Interdipartimentale di Scienze Cognitive Università' di Pavia
	Quantum Minds Collective Excitations	Paola Zizzi	Institute Paolo Sotgiu Quantitative Psychiatry and Cardiology L.U.de.S. University, Lugano, Switzerland
	Introspective Qualia: A view from within	Ruggero Rapparini	Scientific Europe, Luxembourg c/o Reine Claude, 11 NL-1731PA Winkel
<b>13:00</b>	<b>Lunch break</b>		
<b>15:00</b>	<b>Session: Quantum Paradigm in Psychopathology</b>		
	The Interactome Hypothesis of Depression	Massimo Pregnotato	Quantumbiolab, Dipartimento di Chimica Farmaceutica, Università di Pavia
	Depression and Scleroderma: a new way for understanding Depression?	Massimo Cocchi	Institute Paolo Sotgiu Quantitative Psychiatry and Cardiology L.U.de.S. University, Lugano, Switzerland
	Quantum-chaotic determinism and inherited real risk of CAD	Simone Caramel	
<b>16:45</b>	<b>Session: Bio-inspired Nanotechnologies: from concepts to applications. COST-EU Action Pre-meeting</b>		
	Experimental and computational evidences of peculiar biophysical properties of microtubules	Rita Pizzi and Silvia Fiorentini	Dipartimento di Tecnologie dell'Informazione Università di Milano - Campus di Crema
	Entanglement and Life	Fulvio Bongiorno and Vincenzo Valenzi	Dipartimento di Matematica Roma Tre and Istituto di Ricerca Svizzero sull'Energia Psichica (ISREP/LiUM)
	The cost of complexity	Ubaldo Mastromatteo	STMicroelectronics, Via Tolomeo 1, 20010 Cornaredo, Italy
<b>18:30</b>	<b>Discussion</b>		

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Gabriele Cavagna - Quantum Art

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