

Inter-Uni.net
for integrated
promotion
of health



Leonardo Da Vinci
E.U. Program



University
of Verona



**FUNDAMENTALS
OF REGULATORY BIOLOGY
AND
REGULATIVE INTERVENTIONS**

**A Powerpoint-illustrated series of
lectures**

by Paolo Bellavite
professor of general pathology
University of Verona



**In collaboration
with
F.I.A.M.O.**
**Federazione Italiana
delle Associazioni
e dei Medici Omeopati**



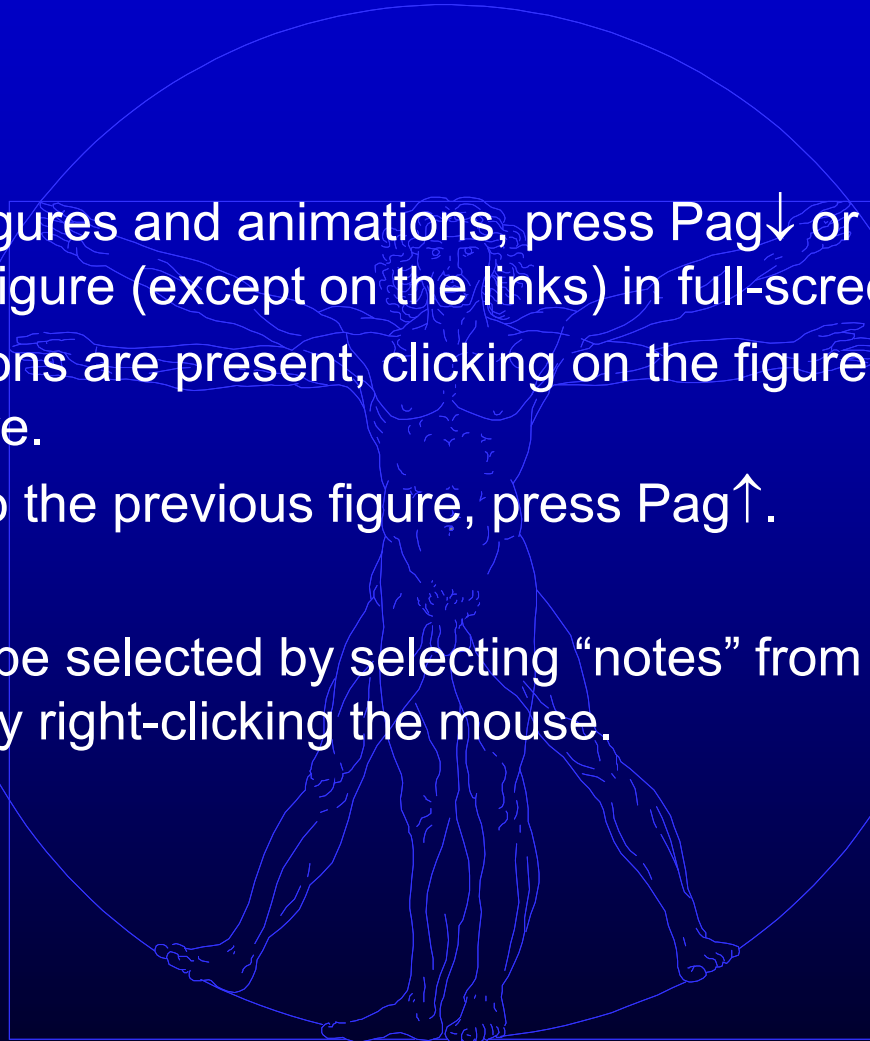
Fundamentals of Regulatory Biology and Regulative Interventions

INTRODUCTION

To operate figures and animations, press **Pag↓** or click on any place of the figure (except on the links) in full-screen mode. If no animations are present, clicking on the figure will open the next figure.

To go back to the previous figure, press **Pag↑**.

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Fundamentals of Regulatory Biology and Regulative Interventions

INTRODUCTION



This CD-ROM is produced for the E.U. Distant Learning Program (Leonardo da Vinci Project): INTEGRATIVE PROMOTION OF HEALTH.



The EU Masters course organized by Inter-uni-net will start in English in Copenhagen in March 07. > www.inter-uni.net



In collaboration with F.I.A.M.O. (Federazione Italiana delle Associazioni e dei Medici Omeopati) > www.fiamo.it
and Homeopathic Medical School of Verona > www.omeopatia.org



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Background musics: Kevin MacLeod (incompetech.com) and Michael David Crawford (geometricvisions.com). Licensed under Creative Commons Attribution <http://creativecommons.org/licenses/by/2.0/>





SHORT CURRICULUM OF THE AUTHOR

Paolo Bellavite (April 9, 1952) is a medical doctor, haematologist, Professor of General Pathology at Verona University Medical School. He completed a post-doctoral degree in biotechnology from the Cranfield Institute of Technology in Bedford, U.K.

He is a member of the *International Study group on Very Low Dose Effects* and of the *Association Medicina e Persona*. With other colleagues, he founded the *Associazione "Giovanni Scolaro" per la Medicina Integrata* and the *Osservatorio per le Medicine Complementari*.

Dr. Bellavite has published widely in medical and scientific journals on inflammation, free radicals, leukocyte biology, and cellular pharmacology. In the last years he has also investigated the scientific bases of homeopathy and the possible integration of the best of complementary therapies in mainstream medicine.

He lives in Verona, he is married and has three children (Lorenzo, Chiara e Tommaso).

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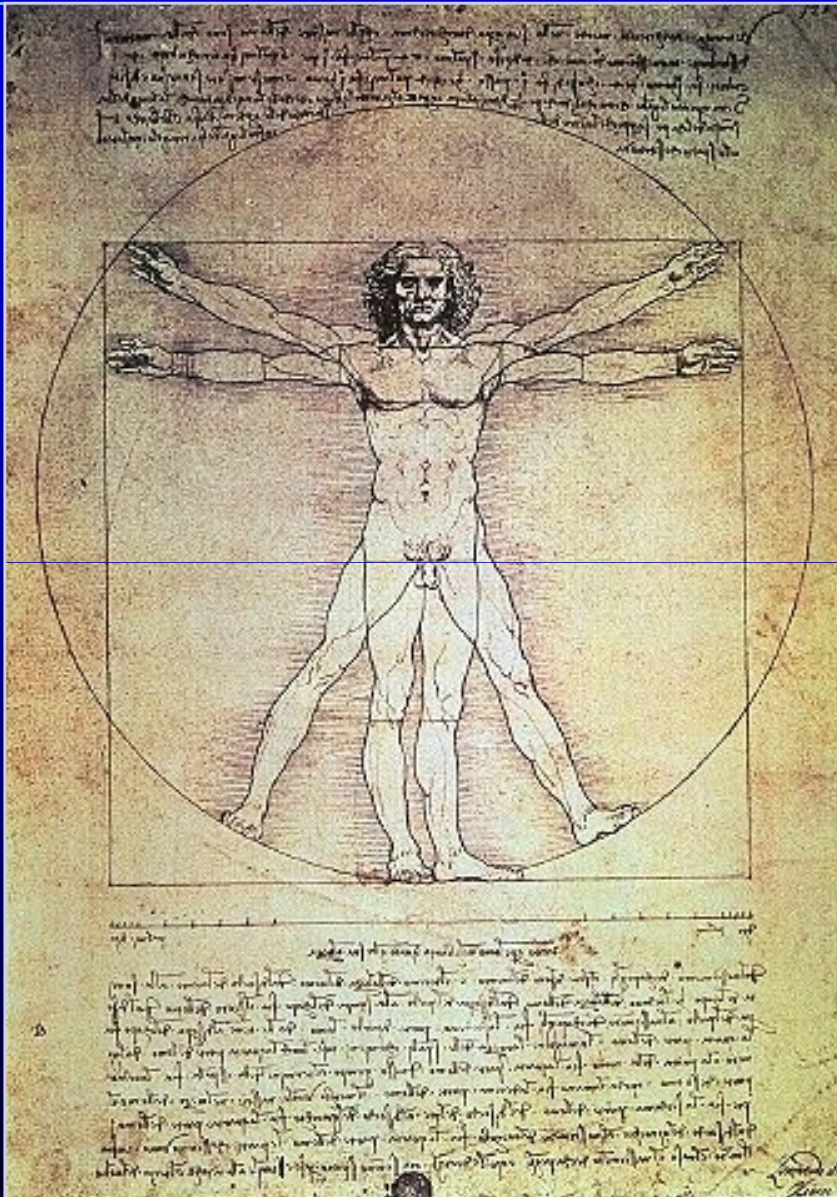
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SCIENCE AND ART



- The drawing “L’Uomo Vitruviano” (the man from Vitruvio) of Leonardo da Vinci, is an expression of the dynamic harmony and geometrical perfection of the human being.
- In Leonardo, art and science are not in contrast but they are profoundly integrated.





Fundamentals of Regulatory Biology and Regulative Interventions

INTRODUCTION

This CD contains 15 illustrated lectures and a series of printed publications from the Author. The lectures are divided in three main chapters:

1. The properties of living systems,
2. The nature and mechanisms of disease,
3. The therapeutic approaches that are coherent with the illustrated fundamentals of regulatory biology.

In this Introduction you find:

- A brief presentation of the work and of the author
- The general index with links to all the lectures





Verona (I), its river, bridges and walls



Verona, the city of the author, is located at crossroad of Europe's North-South and East-West communication pathways. In Verona there is a profound cultural tradition and there are good schools of medicine (both conventional and complementary medicine). Perhaps this historical and geographical situation has given an inspiration to our work in the direction of an intergrated medicine.

Music: *With the sea* by Kevin MacLeod (incompetech.com)





Verona (I), its river, bridges and walls



In our city there are many bridges on the Adige river, including a twenty centuries-old Roman bridge ("Ponte Pietra") and a medieval bridge ("Castelvecchio"). There are also many walls, as testimonials of the past military strategic position of the city.





Verona (I), its river, bridges and walls



Well, bridges are still useful to connect various parts of the city and people always use them as ways of communication.



On the other hand, the many walls still present are no longer useful and, instead, may represent obstacles to circulation.

We can conclude that bridges are more useful than walls and their role is more longer lasting (the same is true for many towns, including Berlin).





SOME PEOPLE OF THE VERONA RESEARCH GROUP AND OTHER COLLEAGUES



Giuseppe
Andrioli

Andrea
Signorini

Anita
Conforti

Bruno
Drigo

Salvatore
Chirumbolo

Paolo
Bellavite

Marilyn
Semizzi

Sabrina
Lussignoli

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NOTE



For questions and comments regarding these lectures, the reader can freely contact the author: paolo.bellavite@univr.it

Suggestions and corrections of possible mistakes are welcomed. Thanks!





Fundamentals of Regulatory Biology and Regulative Interventions

GENERAL INDEX

This course is composed by 15 sequential lectures, that we suggest to follow in the same sequence order as is here presented. Each lecture can be accessed by this index:

1. BIODYNAMICS (THE “LIFE FORCE”)
 - 1.1. Homeodynamics in living systems
 - 1.2. Biological communication
 - 1.3. The feed-back (action-reaction principle)
 - 1.4. Chaos and fractals
 - 1.5. Networks
2. PATHOLOGY: DISEASE AS SYSTEMIC INFORMATION DISORDER
 - 2.1. The puzzle of complex diseases
 - 2.2. Dynamics of acute diseases
 - 2.3. Dynamics of chronic diseases
3. REGULATIVE INTERVENTIONS, WITH SPECIAL REFERENCE TO HOMEOPATHY
 - 3.1. Historical background and recent advances
 - 3.2. The “simile”
 - 3.3. Low doses and high potencies
 - 3.4. Complementary and integrated medicine
4. SELECTED REFERENCES FROM AUTHOR’S WORK

➤ [Go to the first lecture](#)

