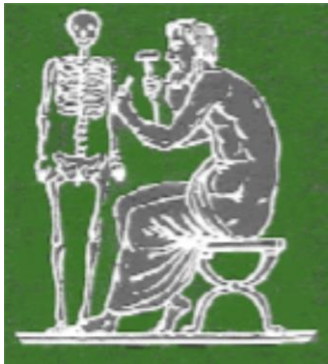


PRELIMINARY PROGRAM



CELLS AND EXTRACELLULAR TEMPLATES



Prometeo



Human being's ages



New genetic age
da New Scientist 2011

1st Seminar & Meeting on:
**Nature's principles into
engineering practice: strong
artificial intelligence and robotics**

Nature's principles into

Congress Hall DI LOFT
Via Ripa Monti, 89 - Milano - Italy

JUNE 20-22, 2019

CO-PRESIDENT OF THE 1ST MEETING-SEMINAR



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Professor and Department Chair,
Department of Chemical Engineering
Northeastern University
Boston, USA



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Director of Institute of Biomed Eng.& Nanomed.,
National Health Research Institutes (NHRI),
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Taiwan

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ORGANIZING AND SCIENTIFIC SECRETARIAT

Mrs. Rossella Ravaglioli: rossella.ravaglioli@libero.it

Mr. Sergio Zanfrini: lizardmed@gmail.com

PHILOSOPHY and STRATEGY

The most efficacious results of the first and second generation are reported in our previous international meetings (1990--2016) starting from the first and second generation of biomaterials, suggesting inert prostheses in the beginning and successively the bioactive and biocompatible ones.

During the last years, partially reabsorbable compositions were suggested thanks to chemical-physical actions on composites as compatible as possible with the living tissues. Today, thanks to nanosciences and genetics it will be possible to carry out systematic studies on the nature of the living tissues with detailed information on the possibility to promote new materials (composites) thanks to cells of different specialization their reshaping when damaged and/or lost.

The meeting –seminar will move specifically in promoting templates able to host cells involving the “ Strong Artificial Intelligence (SAI)” as the bridge that will join together Physicist and Chemists, suggesting the best template, involving electric and electromagnetic language suitable to interpret and join a correct genetic activity.

A complete suggested project will be discussed with the participants to try to put together all the involved medical disciplines to understand as best as possible the evolution of our tissues during the aging.

Multidisciplinary is the new language of science of achieving results where the recent developments bring problems which need to be solved.

Advanced laboratories equipment and patients’ sensors during examinations load big data in the analysis system; more over these big data are now crossed with other big data coming from different analysis/approaches/tests/simulations. The exponential result is a very big quantity of data totally unmanageable without the help of Artificial Intelligence.

MAIN TOPICS, ROUND TABLES and SYMPOSIUM

- How Nature builds at all scales and how it repairs translating Nature’s principles into engineering practice. Wide interest will be devoted to strong artificial intelligence and robotics.
- Nanomaterials inspired by Nature
- Biomaterials—cells interactions
- Nanomedicine
- New strategy in materials science involving biophysics, biophotonics, quantum physics, chemistry and biology
- Supporting genetic therapies involving prosthetic, pharmaceutical companies
- Tissues regenerative strategy : gene activating materials ,” in vivo” models translating regenerative biomaterials into clinical practice
- Strong Artificial Intelligence (SAI), algorithms, bioelectric language
- Implantable and external medical sensor
- ROUND TABLES: Science, Industry and politics; Diagnostic for clinics; Nanomedicine.
- International project (to be promoted): “Therapeutic ions in scaffolds (Templates) for Tissues regeneration

FIRST CET TITLES ALREADY PROPOSED

- How to regenerate damaged and lost tissues: from prostheses to advanced templates promoted thanks to strong artificial intelligence by cochairman (A. Ravaglioli, S. Zanfrini, M. Viviani, Italy)
- Implantable and external medical sensors (Thomas Webster, Northeastern University, Boston, USA)
- Nanoparticles for biological medical field: nature, biocompatibility and availability (Feng Huei Lin, NHRI, Taiwan)
- Neoncology, a save way for curative cancer treatment (C. Timmermans, International Tesla AG, Havelte, The Netherland).
- Interface evolution bone – prosthesis in prosthetic surgery (G. L. Castellarin, Suzzara Hospital, Italy)
- Nanoparticles applications in degenerative diseases (L. Dalle Carbonare, Verona University, Italy)
- “Bioactive peptides (proangiogenesis, adhesives) bringing differentiation, ingrowth and decreasing of bacterial colonies to produce scaffolds” (M. Dettin, Padova University, Italy)
- “Epygenetics and nutragenetics and cells reprogram in the pollution era” (G. Terziani, Eurodream srl, La Spezia, Italy).
- “The behaviour of cells on a composite scaffold” (A. Boccaccini, Friedrich-Alexander-University of Erlangen-Nürnberg, Germany)
- “Effect of substrate topography and chemistry in bone and muscle cell adhesion and differentiation” (Nora Blaise, Dept.of molecular medicine, Univ. of Pavia, Italy)
- Occambee, Rumbletumbleweed incubator of technological assets, Decision making technologies and Clinical Research Assistant (Giorgio Manfredi, CNR Fisica Cosmica, INFN, Italy)
- Biomaterials engineering (Daniel Pressl, MIT PhD, MIT Austria, Abc)
- Clinical data and trials AI: achieving the best results (Stefano Paluello, Digax London, UK)
- A.I. for clinical research: researches made easy and fast by advanced front-end development (Roberto Alessi, Akronos/Italcom, Alessandria, Italy)
- Big data blockchain systems (Gianfranco Tavella, Information Technology systems, Brescia, Italy)
- Reinforcing and Rebuilding human body for a very longer life span (Maurizio Bisogni, Center for International Studies, Osaka, Japan)
- Supercomputing, probability, quantum computing and medical research: now (Maurizio Viviani, Strong Artificial Intelligence, San Francisco, USA)
- Nanobioceramics and cellular interactions: focus on Mesenchimal Stem Cells (Petek Korkusuz, Ankara, Turkey).
- 3d printing for bone replacement and regeneration (Feza Korkusuz , Ankara, Turkey)

REGISTRATION

Registration fee before April 20, 2019 - € 200 - Registration fee after April 20 , 2019 - € 270 and for undergraduates and pHD students the participation is € 150,00. The student position must be documented by a proper official declaration of his/her University.

The registration fee includes:

social dinner, coffee breaks, conference documentation.

You can pay by bank transfer and it is important to write clearly the purpose of the payment: FEE FOR 1ST EDITION OF MEETING "CELLS AND EXTRACELLULAR TEMPLATES"(CET).

Bank details are:

World Postural Association Italia

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IBAN: IT67D0344011701000000242900

SWIFT: BDBDIT22

Please, send the registration form to the Conference Secretariat:

Mrs. Rossella Ravaglioli - Phone: +39 3470766986 - E-mail: rossella.ravaglioli@libero.it

1st Seminar & Meeting

CELLS AND EXTRACELLULAR TEMPLATES

INTENT TO ATTEND FORM

TO BE SENT TO: ORGANIZING SECRETARIAT AND SCIENTIFIC SECRETARIAT

Family name	First name
Title/Occupation	As individual
.....	Institute/Company
Position	Affiliation
Professional or Academic sector of your activity	VAT number (for invoice)
.....
Mailing Address (street, n.):	
Town	City/Post code:
Country	
Phone:	Fax:
	E-mail:
Fiscal code (only for Italians people)	
Date	Signature