

FESTIVAL DELLA SCIENZA MEDICA. LIFE'S STAGES*

Second edition

Bologna, May 19-22 2016

LIFE'S STAGES

There is a widespread debate today about the short term perspective “personalized medicine”, or in other words “precision medicine”: but how many “people” are we, or how much do we change during our life course? How many different “ages” do we live, from the stage of a fertilized egg up to the old age, more or less senescent?

The first edition of Bologna Medicina, the Festival della Scienza Medica focused the scientific and clinical attention on the “long life” condition. All the evidence shows that – at least in the wealthier and more advanced societies – human life expectation reaches out towards a hundred years. The second edition, which will take place from 19th to 22th of May 2016, shall consequently focus on the different stages of this exciting and always less precarious adventure.

Prenatal, neonatal, infancy, childhood, juvenile, puberty, adolescence, adult life, old age and senescence. Human biologists who study the transitional physiological changes of our body–mind complex count at least ten different stages, each one with specific features. Although we take for granted that we are always the same person from the cradle to the grave, what is evident is that each one of us lives as many lives a number of physiological stages, and that we encounter different potential pathologies according the specific life stage we are in. This

means that medicine has to use new ideas and creative strategies to pursue scientific and technological advancements and to explain, prevent and cure diseases in an effective and functional way.

Nothing makes sense in Biology [so neither in Medicine] except in the light of evolution – said the evolutionary geneticist Theodosius Dobzhansky. The human species phylogeny has been lasting millions of years, and as for other higher organisms, natural selection favored our investments and adjustment abilities rather than only the reproductive ones: it is because of the natural selection process that we acquired a species specific Life Cycle. This means that the resources for growing, for staying alive and for reproducing, related to age or size, are distributed so that they can maximize the potential to adapt during the individual life stages. The evolution of the Human Life Cycle, in particular of specific pre-adult characteristic of this cycle (all the many and long stages precluding adult life, from the prenatal one to adolescence) allowed for the acquisition of the mental capacities needed and sufficient for evolution and for the diffusion of “higher” human traits. It is because we live many lives that our life was so efficient in the colonization of the world.

Understanding the evolutionary meaning of the Ages of Life means to better qualify the aim of personalizing medicine, by making it more precise.

Nonetheless, the Festival della Scienza Medica can only look far ahead. In Bologna, medicine has a great future.

Gilberto Corbellini and Pino Donghi

May 19th

08.45/10.00 - TEATRO ANATOMICO DELL'ARCHIGINNASIO

Animated visit at the Anatomical Theatre, suitable for primary schools

9.00 - PODESTÁ HALL

Drugs and quality of life: synergy between University and pharmaceutical company

Staged by: Farindustria, Società Italiana Farmacologia, Società Italiana Tossicologia

Speaker/discussant: Sabrina Angelini, Claudio Borghi, Nadia Canova, Giorgio Cantelli Forti, Eugenio Cusimano, Fabrizio de Ponti, Enrica Giorgetti, Patrizia Hrelia, Antonietta Pazardjiklian, Maurizio Recanatini, Lucio Rovati, Marco Scatigna

9.45/11.30 - S. MARIA DELLA VITA CHURCH

Between life and death: guided tour with stage drama thorough the famous "Portico della Vita" and "Portico della Morte"

10.00 - RE ENZO HALL

Smallpox eradication and other vaccines

Andrea Grignolio

After the lecture: Introduction to the clinical trials, in collaboration with: Città della Scienza di Napoli

10.30 - STABAT MATER

Why doctors have to tell all the truth even to children

Giuseppe Remuzzi

11.00 - ATTI HALL

Paediatric Clinic

Simulated hospital rounds with:

Giacomo Faldella

Andrea Pession

11.30 - SOCIETÀ MEDICA CHIRURGICA HALL

From nutrition to endoscopy. The prevention of digestive system tumors in the stages of life

Franco Bazzoli

Luigi Ricciardiello

Rocco Maurizio Zagari

Sponsored by AIRC

12.00 - STABAT MATER

Middle age: adult nutrition

Arrigo Francesco Giuseppe Cicero

Wei Wei

15.30 - STABAT MATER

Choosing Leadership in Medicine

Sponsored by ANMDO (Associazione Nazionale Medici Direzioni Ospedaliere)

Coordinated by: Gianfranco Morrone, Giovanni Pieroni

Introduction by: Giovanni De Plato

Speakers: Mattia Altini, Carlo Favaretti, Chiara Gibertoni, Domenico Mantoan, Gabriele Pelissero, Roberta Siliquini

18.00 - PODESTÀ HALL

Inauguration with authorities

19.00 - PODESTÀ HALL

The Age of Insight: The Quest to Understand the Unconscious in Art, Mind, and Brain

Eric Kandel

Coordinated by: Fabio Alberto Roversi Monaco

May 20th

08.45/10.00 – ANATOMICAL THEATRE OF THE ARCHIGINNASIO

Visit with animation at the Anatomical Theatre, suitable for primary schools

9.30 - SOCIETÀ MEDICA CHIRURGICA HALL

Choosing wisely: avoiding bad practices

Sponsored by ANMDO (Associazione Nazionale Medici Direzioni Ospedaliere)

Coordinated by: Ottavio Nicastro, Sandra Venero

Speakers: Piero De Carolis, Eugenio Del Toma, Maria Teresa Montella, Ida Iolanda Mura, Fausto Nicolini, Marino Nonis

9.45/11.30 – S. MARIA DELLA VITA CHURCH

Between life and death: guided tour with stage drama thorough the famous “Portico della Vita” and “Portico della Morte”

10.00 – RE ENZO ALL

From the weeping willow to the aspirin. The evolution of anti-inflammatory

Vittorio Alessandro Sironi

After the lecture: Introduction to clinical trials, in collaboration with: **Città della Scienza di Napoli**

10.00 – S. MARIA DELLA VITA CHURCH

Vaccines: an investment for the population’s health and the sustainability of the National Healthcare System.

Nicoletta Luppi

10.30 ORATORIO DI S. FILIPPO NERI

Short term memory: why we still need vaccines

Alberto Mantovani

Gualtiero Walter Ricciardi

sponsored by AIRC

10.30 - AULA ABSIDALE OF S. LUCIA

The Titanic metaphor. Transplants, waiting lists and selection criteria

Alessandro Nanni Costa

Antonio Pinna

11.00 - ATTI HALL

Urology Clinic

Simulated hospital rounds with:

Giuseppe Martorana

11.00 - STABAT MATER

China is getting nearer and nearear. Medicine, research and business models

Sponsored by: Intesa Sanpaolo

11.30 - AUDITORIUM ENZO BIAGI

Fragile age: children and elderly nutrition

Silvana Hrelia

Giovanni Zuliani

12.00 - PODESTÁ HALL

Nobel lecture

The Personalized Medicine Revolution: are we going to cure all diseases and at what price?

Aaron Ciechanover

Coordinated by: Piergiorgio Strata

12.30 - S. MARIA DELLA VITA CHURCH

The future of biotechnologies: innovation opportunities and sustainable growth

Antonio Tosco

15.00 - S. MARIA DELLA VITA CHURCH

Doctor Darwin

Pietro Corsi

15.00 – ORATORIO DI S. FILIPPO NERI

From one pill to another...how Italian people' sex habits have changed in the last 60 years

Giuseppe Martorana

16.00 – STABAT MATER

The ages of fertility

Eleonora Porcu

16.30 – ORATORIO DI S. FILIPPO NERI

De senectute

Giangiaco Schiavi

Carlo Vergani

16.30 – AUDITORIUM ENZO BIAGI

Face, surgery and 3D technologies. Maxillo-facial achievements and frontiers

Alberto Bianchi

Claudio Marchetti

17.00 – S. MARIA DELLA VITA CHURCH

The relationship among health, healthcare and politics in Republican Italy: from the first centre-left wing party until today

Roberto Balzani

17.30 – ATTI HALL

A patient's history in today's medicine

Staged by: Elena Vegni, in collaboration with Ivan Fossati, Antonella Gullotta, Giulia Lamiani

17.30 – STABAT MATER

Age of onset of mental disorders: towards new cognitive and helpful frontiers

Mariano Bassi

Giovanni De Girolamo

18.00 – RE ENZO HALL

Oocyte development

Renato Seracchioli

18.00 – AULA ABSIDALE OF S. LUCIA

The sound of silence. Genius and suffering in Ludwig van Beethoven.

Maurizio Giani

Antonio Pirodda

Fabio Regazzi

18.00 – ACCADEMIA DELLE BELLE ARTI OF BOLOGNA

Inauguration of the exhibition “Le regole del corpo. Norma e arbitrio”

Sponsored by: *Accademia delle Belle Arti* of Bologna

Staged by **Piero Deggiovanni, Valeria Roncuzzi, Camilla Roversi Monaco**

19.00 – CHIESA DI SAN COLOMBANO

Mozart: machine, time, death

Luigi Gerli

Giuliano Lancioni

Liuwe Tamminga

19.00 – PODESTÁ HALL

Nobel lecture

Discovering the genes responsible for immunity: genetics and health

Bruce Beutler

Introduction by: **Lucio Ildebrando Maria Cocco**

20.00 – PALAZZO FAVA – PALAZZO DELLE ESPOSIZIONI

FR 17.3 Nel Segno di Gianluca Gingolani

sponsored by **Dugong Produzioni**

May 21st

9.00 - AULA OLIVO

Presentation of a National Research Web for the identification of myelodysplastic syndrome markers

Carlo Maria Croce

9.45/11.30 - S. MARIA DELLA VITA CHURCH

Between life and death: guided visit with stage drama thorough the famous “Portico della Vita” and “Portico della Morte”

10.00 - STABAT MATER

From quinine to artemisinin: a history of antimalarial treatments (China)

Marco Corsi

Zhu Xiaoxin

10.00 - RE ENZO HALL

The emergencies for the future come from the past: from tuberculosis to super-bacteria

Marina Tadolini

Pierluigi Viale

10.30 - ORATORIO DI SAN FILIPPO NERI

Sleep, health and well-being

Francesca Milano

Giuseppe Plazzi

Claudio Vicini

10.30 – AUDITORIUM ENZO BIAGI

New technologies and the self: medulla lesion and independent life

Introduction by: Augusto Cavina, Marco Gasparri

Coordinated by: Filippo Preziosi

Speakers: Nicola Gencarelli, Luca Enei, Domenico Nocera, Roberta Vannini, Pasquale Fedele

With the witness of: William Boselli

Sponsored by: Montecatone Rehabilitation Institute, Fondazione Montecatone Onlus, Ass. AUS Montecatone, Fondazione Asphi Onlus, Ass. WTKG (Willy The King Group), FabLab Imola, Cooperativa Casa Guglielmi, Ass. Paraplegici Regionale Emilia Romagna

11.00 – ATTI HALL

Cardiology Clinic

Simulated hospital rounds with:

Claudio Rapezzi

11.00 – AULA ABSIDALE OF S. LUCIA

Qi – The live blow. Discovering traditional Chinese Medicine

Staged by: Marcella Brizzi, Marina Timoteo

Speakers: Fu Baotian, Renato Crepaldi, Umberto Mazzanti, Clara Melloni, Emilio Minelli, Wang Wenming

11.30 – ORATORIO DI S. FILIPPO NERI

The brain of the elderly

Fiorenzo Conti

Cesare Cornoldi

11.30 – S. MARIA DELLA VITA CHURCH

From medical genetics to genetic medicine. The issue of hereditary diseases in the history of medical thought

Gilberto Corbellini

12.00 – AUDITORIUM ENZO BIAGI

Counterfeiting health

Giorgio Cantelli Forti

**Stefano Cinotti
Patrizia Hrelia
Claudio Vincelli**

15.00 – RE ENZO HALL

Doping ages
Francesco Botrè

15.00 – PORTICO DELLA MORTE

Working on Qi and the art of cultivating life: experiences with qigong practices, taijiquan and baguazhang under the “Portico della Morte”

**Renato Crepaldi
Giovanni Gatti
Clara Melloni**

15.30 – SOCIETÀ MEDICA CHIRURGICA HALL

What can we learn from the study of rare diseases?
Andrea Bartuli

16.00 – S. MARIA DELLA VITA CHURCH

Genomic medicine and health care
Giuseppe Novelli

16.00 - TEATRO ANATOMICO DELL'ARCHIGINNASIO

Visit with animation at the anatomical Theatre, suitable for families

16.30 – AULA ABSIDALE OF S. LUCIA

Why centenarians are centenarians?
Claudio Franceschi

16.30 – RE ENZO HALL

The drugs' cost
Luca Pani

17.00 – ORATORIO DI S. FILIPPO NERI

Crime has no age. Medical science and the investigation process

Susi Pelotti

Claudio Rapezzi

17.00 – STABAT MATER

Regenerative Medicine

Michele De Luca

17.30 – ATTI HALL

Clinical eye, that is the science of the individual

Luigi Bolondi

17.30 – AULA DELLE CONFERENZE SOCIETÀ MEDICA CHIRURGICA DI BOLOGNA

Innovation and Sustainability

Massimo Scaccabarozzi

18.00 – AULA ABSIDALE OF S. LUCIA

Causes and consequences of microRNA dysregulation in cancer

Carlo Maria Croce

18.00 – S. MARIA DELLA VITA CHURCH

The ages of skin

Alberto Giannetti

18.30 – RE ENZO HALL

Ted talk staged by the students of the Faculty of Medicine of Bologna

19.00 – PODESTÀ HALL

Nobel lecture

Switches and latches: control and growth of normal and pathological cells

Tim Hunt

Introduction by: Lucio Ildebrando Maria Cocco

19.00 – ACCADEMIA DELLE BELLE ARTI OF BOLOGNA

ANATO–MIA: stage drama by Sissi

Staged by: *Accademia delle Belle Arti* of Bologna

21.00 – TEATRO DUSE

Dr. Raniero's phenomenology:

a dialogue with Carlo Verdone

May 22nd

10.00 – RE ENZO ALL

Penicillins and other antibiotics
Mauro Capocci

10.00 – ORATORIO DI S. FILIPPO NERI

Back pain. Why we suffer from it and it is so difficult to eradicate.
Arnaldo Benini

10.30 – STABAT MATER

The diseases of information
Alison Abbott

10.30 – SOCIETÀ MEDICA CHIRURGICA HALL

Early human life: the world of perinatal medicine
Gianpaolo Donzelli

10.30 - TEATRO ANATOMICO DELL'ARCHIGINNASIO

Visit with animation at the Anatomical Theatre, for families

11.00 – PODESTÀ HALL

The fetus: can it predict its own future?
Peter Gluckman

11.30 – ORATORIO DI S. FILIPPO NERI

Precision Cancer Medicine: Lessons from B Cell Lymphoma
Riccardo Dalla Favera

12.30 – PODESTÀ ALL

The future of Italian biomedical research
Elena Cattaneo
With an intervention by the Aifa President, Mario Melazzini, in videoconference

***The program may suffer some minor variations. Please check our website
www.bolognamedicina.it**