



## 100 YEARS OF GENOME RESEARCH: FUTURE PERSPECTIVES FOR HUMAN AND PLANET HEALTH

13 September, Naples

VILLA COMUNALE – STAZIONE ZOOLOGICA ANTON DOHRN  
FOR BOOKING A SEAT OR GET A LINK VIA ZOOM PLEASE WRITE WITH THE OBJECT  
- "100 YEARS OF GENOME"  
[presidenza@szn.it](mailto:presidenza@szn.it)

**THEME: 100 years of important findings from the definition of "Genome"**

### 9.30 Welcome Coffee

### 10.00 Opening greetings

**Roberto Danovaro** – President of the Stazione Zoologica Anton Dohrn

**Corrado de Concini** - President of the Accademia Nazionale delle Scienze detta dei XL

### 10.30 Morning sessions: Massimo Milone and Max Mizzau Perczel Introduce and moderate

#### Invited Talks:

10.30 **Christiane Groeben** (SZN Associate) / **Fabio De Sio** 'The man who coined the term "genome": Hans Winkler'

10.40 **Francesco Salvatore** (Member of the Accademia Nazionale delle Scienze detta dei XL) 'The balance between genome and environment to achieve the longevity dividend'

11.00 **Takashi Gojobori** (Member of the Pontifical Academy of Sciences) 'Toward the Global Genome Project - Continuation of the Isochore Story?'

11,20 **Chris Bowler** (Ecole Normale Supérieure, Parigi) 'The Ocean Genome' (WEBINAR)

11.40 **Valerio Zupo / Maria Costantini** (Stazione Zoologica Anton Dohrn) 'Genomic approaches for marine biotechnology applications: a study case on cell death issues'

12.00 **Giacomo Bernardi** (University of California Santa Cruz) 'Red Sea fishes in the Mediterranean: the genomics of Lessepsian bioinvaders'

12.20 **Frank Oliver Glöckner** (Max-Planck-Institut, Germany) 'MOSAIC expedition to the Arctic' (WEBINAR)

#### **Public discussion (with planned interventions)**

12.40 Chairs / Moderators **Julie Maxton** (Director Royal Society) and **Giacomo Bernardi** (University of California Santa Cruz)

### 13.00 Buffet

### 14.30 Award ceremony "Premio Fasolo for young Researchers"

**Paola Bonfante** (Accademia dei Lincei) and **Roberto Danovaro** (Stazione Zoologica Anton Dohrn) confer the prize



## 15.00 Afternoon sessions: Giacomo Bernardi introduces and moderates

### Invited Talks:

15.00 **Génevieve Fourel** (Ecole Normale Supérieure de Lyon, Lyon, France) '*What S.cerevisiae whispered to my soul about genome organization in human*'

15.20 **Raphael Mourad** (University of Toulouse III, France) '*Genomic and evolutionary analyses reveal that DNA encodes CTCF loop extrusion*'

15.40 **Stelios Arhondakis** (Bioinformatics and Computational Science, Chaniá, Greece) '*In the quest of Isochores Transcriptional Patterns during Biological Processes*'

16.00 Coffee Break

16.30 **Oliver Clay** (Universidad del Rosario, Bogotá, Colombia) '*Using haplotype views to explore human trait-associated loci: some examples*'

16.50 **Hector Musto** (University of Montevideo, Uruguay) '*How many factors do affect codon usage?*'  
**(WEBINAR)**

17.10 **Fernando Alvarez Valin** (University of Montevideo, Uruguay) '*Mitochondrial genomes of trypanosomes: multiple independent processes of adaptation to live without oxidative phosphorylation*'  
**(WEBINAR)**

17.30 Round Table "*The state of research on the Genome in Italy and in the world*"

### Chair and Moderator Francesco Salvatore

Invited intervention: **Paolo Vineis** and the winner of the *Premio Fasolo*

Debate open to scientists, present or connected

18.15 Commemorative event for Gaetano (Nino) Salvatore – Prof. Guido Trombetti (presented by Francesco Salvatore) - Ceremony of the Court of the Stazione Zoologica Anton Dohrn

Commemorative event for Prof. Giorgio Bernardi – Giacomo Bernardi (brief talk of Maria Costantini on the most important results achieved by prof. Bernardi), Annibale Mottana and Roberto Danovaro - Ceremony of the Multifunctional Room of the Darwin Dohrn Museum

20.00 Dinner @ Ristorante Umberto (meeting point Hotel Majestic)

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14 September Naples/Rome

10.00 Open day and lunch

15.00 Transfer to Rome from SZN

20.00 Social Dinner in Rome

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## 100 YEARS OF GENOME RESEARCH: FUTURE PERSPECTIVES FOR HUMAN AND PLANET HEALTH

15 September, Rome

### Zoom event

Live from the Library of the Accademia Nazionale delle Scienze detta dei XL  
(Scuderie Vecchie di Villa Torlonia, Via L. Spallanzani 1/A)

FOR BOOKING VIA ZOOM WRITE WITH OBJECT - "100 YEARS OF GENOME" TO:  
[segreteria@accademixl.it](mailto:segreteria@accademixl.it)

### The future of genomic research for the health of living organisms and nature

#### 10.00 Opening greetings

**Corrado De Concini**, President of the Accademia Nazionale delle Scienze detta dei XL

**Roberto Danovaro** President of the Stazione Zoologica Anton Dohrn

**Roberto Speranza** Minister of Health TBC

#### Morning sessions: **Max Mizzau Perczel** and **Massimo Milone** moderate

11.00 **Cecilia Saccone** (Member of the National Academy of Sciences known as the XL) *'The mitochondrial genome: still neglected after more than 50 years since its discovery' - 'The mitochondrial genetic system: implications and applications'*

11.30 **Takashi Gojobori** (Member of the Pontifical Academy of Sciences) *'What is the Genomic Information Society?'*

12.00 **Paolo Vineis** (Imperial College London) *"Gene-environment interactions"*

#### **Public Debate** (moderated by **Giovanni Caprara**, President of Italian Scientific Journalists)

- **Award ceremony for Italian Young Researchers**

*Prof. Corrado De Concini (President of the Accademia Nazionale delle Scienze detta dei XL) awards the prize*

#### 13.30 **Conclusions**



### **ORGANIZING COMMITTEE**

**- Stazione Zoologica Anton Dohrn (Naples)**

**Prof. Roberto Danovaro (SZN)**

**Dr. Maria Costantini (SZN)**

**Dr. Margherita Groeben (SZN)**

**- Accademia Nazionale delle Scienze detta dei XL (Rome)**

**Prof. Annibale Mottana**

**Prof. Corrado De Concini**

**Dr. Giulia Trimani**