

## Giuseppe Testa, MD, PhD, MA

### Curriculum Vitae

**Date and place of birth:** 19 January 1972, Naples (Italy)

**Current position:** Full Professor of Molecular Biology  
Department of Oncology and Haemato-oncology  
University of Milan, Milan, Italy  
Head of the Neurogenomics Research Center of the Human Technopole, Milan, Italy  
Director, High-Definition Disease Modelling Lab: Stem Cell and Organoid Epigenetics  
Department of Experimental Oncology  
European Institute of Oncology, Milan, Italy

**ORCID ID:** 0000-0002-9104-0918

#### **Webpages:**

<http://www.testalab.eu>

<http://www.unimi.it/chiedove/schedaPersonaXML.jsp?matricola=17920>

<https://www.research.ieu.it/research-and-technology/principal-investigators/high-definition-disease-modelling-lab-stem-cell-and-organoid-epigenetics/>

<https://www.humantechnopole.it/web/giuseppe.testa>

#### **Previous positions**

**2014-2018:** Associate Professor of Molecular Biology, University of Milan (Milan, Italy)

**2014-2017:** Adjunct faculty at the Lieber Institute for Brain Development, (Baltimore, USA)

**2003-2005:** Visiting fellow, Berlin Institute of Advanced Studies (Berlin, Germany)

Visiting fellow, Program on Science Technology and Society at the Kennedy School of Government of Harvard University  
(<http://sts.hks.harvard.edu/people/fellows/testa.html>)

**2002-2005:** Postdoctoral fellow, Max Planck Institute of Molecular Cell Biology and University of Dresden (Dresden, Germany)

**1997-2002:** PhD student, European Molecular Biology Laboratory (Heidelberg, Germany)

#### **Academic degrees, titles and appointments**

**2019:** Head of the Neurogenomics Research Center of the Human Technopole (Milan, Italy)

**2018:** Full Professorship in Molecular Biology, University of Milan (Milan, Italy)

**2014:** Adjunct faculty at the Lieber Institute for Brain Development (Baltimore, USA)

Associate Professor of Molecular Biology at the University of Milan by direct appointment of the Ministry of Education, University and Research (Milan, Italy)

**2008:** Appointed Distinguished International Scholar at the University of Pennsylvania (UPenn) (Philadelphia, USA)

**2007:** MA in Health Care Ethics and Law, University of Manchester (with distinction)

**2006:** Principal Investigator, Director of the High-Definition Disease Modelling Lab: Stem Cell and Organoid Epigenetics, Department of Experimental Oncology, European Institute of Oncology, (Milan, Italy)

**2002:** PhD, European Molecular Biology Laboratory (EMBL) in cooperation with the Open University

**1997:** Medical Licensing Examination

**1996:** M.D., University of Perugia Medical School, with honors (110/110 e lode)

#### **Education and training**

**2004-2006**

- MA in Health Care Ethics and Law, The University of Manchester (Manchester, UK)

### **2002-2005**

- Postdoctoral fellow at the Max Planck Institute of Molecular Cell Biology and Genetics and the Dresden University of Technology. Research theme: epigenetic regulation and genome engineering of embryonic stem cells
- Visiting fellow, Program on Science Technology and Society at the Kennedy School of Government of Harvard University (<http://sts.hks.harvard.edu/people/fellows/testa.html>)
- Visiting fellow, Berlin Institute of Advanced Studies
- Winner of the Branco Weiss Fellowship "Society in Science"
- Founder and chairman of the "Forum on Science and Society" of the Max-Planck Institute for Molecular Cell Biology and Genetics Dresden

### **1997-2002**

- PhD Program in Molecular and Cellular Biology at the European Molecular Biology Laboratory (EMBL Heidelberg) in the laboratory of Dr. A. Francis Stewart. Research theme and PhD thesis title: "Modeling leukemia in the mouse: novel strategies in genome engineering"
- European Doctorate in Biotechnology awarded by the European Association for Higher Education in Biotechnology (HEduBT) for excellence of research in the field of biotechnology

### **1990-1996**

- Medical school at the University of Perugia (Italy), including research studentships at the Clinical Research Centre, Harrow (UK)(Hounsell Lab) and the College of Physicians and Surgeons of Columbia University (New York)(Dalla-Favera Lab)
- Medical Doctor (MD) thesis in Molecular Immunopharmacology at the University of Perugia with Prof. Carlo Riccardi.
- Graduation from the University of Perugia Medical School with the highest grade and honors (110/110 summa cum laude)
- Medical licensing examination from the University of Perugia

### **Languages**

Italian: mother language  
 English: fluent, written and oral  
 -Certificate of Proficiency in English of the University of Cambridge with the grade "A"  
 -Test of English as a foreign language (TOEFL) with a score of 670/670  
 German: fluent, written and oral  
 Zertifikat Deutsch als Fremdesprache (ZDaF) with the grade "gut"  
 French: basic

### **Research activities**

#### **2018-present**

- Full Professor of Molecular Biology, University of Milan

#### **2014-2018**

- Associate Professor of Molecular Biology, University of Milan

#### **2006-present**

- Director, High Definition Disease Modelling Lab (formerly Stem Cell Epigenetics Lab), Department of Experimental Oncology, European Institute of Oncology (Milan, Italy)
- Deputy Director, Research Unit on Biomedical Humanities, European Institute of Oncology (Milan, Italy) (until 2015)

- Co-founder of the interdisciplinary PhD course "Foundations of the Life Sciences and Their Ethical Consequences (Folsatec)", University of Milan and European School of Molecular Medicine (Milan, Italy)

## 2002-2005

- Post doctoral fellow, Technische Universität Dresden (TUD) and Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG) (Dresden, Germany). Research topic: epigenetic regulation and genome engineering in embryonic stem cells.
- Fellow, "Science Technology and Society" programme, Kennedy School of Government of Harvard University (<http://sts.hks.harvard.edu/people/fellows/testa.html>)
- Fellow, Berlin Institute of Advanced Studies (Berlin, Germany)
- Fellowship Branco Weiss "Society in Science" awardee
- Founder and director of the "Forum on Science and Society", Max-Planck Institute for Molecular Cell Biology and Genetics (Dresden, Germany)

## Research funds and international consortia

Recipient of several international and national research grants, including:

- **Horizon-HLTH-2021-DISEASE-04-07 Grant**  
"The Pandemic within: tackling brain vulnerability in COVID19 at high resolution (NEUROCOV)"  
01/09/2022 – 31/08/2027  
3.234.940 Euro
- **HORIZON-HLTH-2021-STAYHLTH-01 Grant**  
"Risk and Resilience in Developmental Diversity and Mental Health (R2D2-MH)"  
01/09/2022 – 31/08/2027  
500.000 Euro
- **European Research Council Proof of Concept (PoC) Grant**  
"Deacetylase inhibitors for autism spectrum disorders: an integrated preclinical validation pipeline in brain organoids and in vivo models (DUPDOWN)"  
01/07/2020-31/12/2021  
150.000 Euro
- **Fondazione Telethon**  
"Functional dissection of the molecular underpinnings of 7q11.23 syndromes: bridging pathogenic insight to drug discovery at single cell resolution"  
01/12/2019-30/11/2022  
479.712 Euro
- **Progetti di Rilevante Interesse Nazionale (PRIN) - MIUR**  
"Microtubule and centrosome dynamics, from Omics to neurodevelopmental disorders of Central Nervous System"  
17/10/2019-16/10/2022  
193.004 Euro
- **Horizon 2020 FET Flagship Initiative LifeTime**  
"Revolutionizing Healthcare by Tracking and Understanding Human Cells during Disease (LifeTime)"  
Coordinate Support Action (CSA): 01/05/2019-30/04/2020  
15.000 Euro
- **Horizon 2020 Consortium**  
"Novel Testing Strategies for Endocrine Disruptors in the Context of Developmental NeuroToxicity (ENDpoints)"  
01/01/2019-31/12/2023  
898.517 Euro

- **E-Rare-3 JTC 2018**  
"Identification of converging Molecular Pathways Across Chromatinopathies as Targets for Therapy (IMPACT)"  
01/01/2019-31/12/2021  
337.500 Euro
- **ERANET-Neuron**  
"The pleiotropic effects of ADNP in Mental Disorders (ADNPinMED)"  
01/01/2019-31/12/2021  
250.000 Euro
- **Horizon 2020 Innovative Training Network (ITN)**  
"Epigenetics and System Biology of Stem cells and Reprogramming (EpiSyStem)"  
01/05/2018-30/04/2022  
520.601 Euro
- **Associazione Italiana per la Ricerca sul Cancro (AIRC)**  
"Druggable targets in high grade serous ovarian cancer: integrating single-cell transcriptomics with targeted proteomics"  
01/01/2018-31/12/2022  
1.246.657 Euro
- **European Research Council Proof of Concept (PoC) Grant**  
"Leveraging Small Demethylase inhibitors for Autism Spectrum Disorder (LSDiASD)"  
01/11/2016-28/02/2018  
145.250 Euro
- **ERANET-Neuron**  
"Modelling syndromic autism caused by mutations in the *ADNP* gene (AUTISYN)"  
01/03/2016-28/02/2019  
200.000 Euro
- **Consiglio Nazionale delle Ricerche (CNR) EPIGEN Flagship Project**  
"Organoid models to study cancer epigenetics and drug response"  
01/01/2016-31/12/2018  
778.000 Euro
- **Fondazione Telethon**  
"The chromatin basis of neurologic dysfunction in the SWI/SNF-related autism syndrome"  
01/05/2015-30/04/2016  
49.995 Euro
- **Horizon 2020 Consortium**  
"Integrating Epidemiology and Experimental Biology to Improve Risk Assessment of Exposure to Mixtures of Endocrine Disruptive Compounds (EDC-MixRisk)"  
01/05/2015-30/04/2019  
489.000 Euro
- **Fondazione Telethon**  
"Transcriptional and epigenetic dysfunction in Williams Beuren and 7q11.23 microduplication syndromes"  
01/01/2015-31/12/2017  
331.000 Euro
- **Associazione Italiana per la Ricerca sul Cancro (AIRC)**  
"Reprogramming and stemness in ovarian cancer: function, signatures, and clinical relevance"  
01/01/2015-31/12/2017  
562.000 Euro
- **Regione Lombardia (Ricerca Indipendente 2012)**

- "Alterazioni simmetriche del dosaggio genico nella sindrome di Williams Beuren e nei disturbi dello spettro autistico: un approccio traslazionale di riprogrammazione cellulare per l'identificazione di nuovi bersagli terapeutici"  
01/12/2014-30/11/2017  
243.300 euro
- **European Research Council Consolidator Grant**  
"Modeling Disease through Cell Reprogramming: a Translational Approach to the Pathogenesis of Syndromes Caused by Symmetrical Gene Dosage Imbalances (DISEASEAVATARS)"  
01/09/2014-31/08/2019  
1.997.804 Euro
  - **Fondazione Telethon**  
"Neurodevelopmental alterations in Weaver syndrome: a cell reprogramming-based approach to the elucidation of epigenetic disease mechanisms"  
01/07/2014-30/06/2015  
49.940 Euro
  - **Fondazione Telethon**  
"An integrated strategy to functionally dissect the genetic and epigenetic mechanisms underlying Kabuki Syndrome"  
01/01/2014-31/12/2016  
145.100 Euro
  - **Worldwide Cancer Research (former Association for International Cancer Research)**  
"Functional dissection of the epigenetic basis of glioma recurrence"  
01/10/2013-31/10/2016  
163.571 Euro
  - **ERANET-Neuron**  
"The epigenomics of eating disorders (FOOD FOR THOUGHT -F4T)"  
01/06/2013-31/05/2017  
448.800 Euro
  - **Fondation Jerome Lejeune**  
"A cell reprogramming-based approach to understand neuronal dysfunction in Williams-Beuren Syndrome"  
13/01/2013-12/01/2015  
39.984 Euro
  - **Associazione Italiana per la Ricerca sul Cancro (AIRC)**  
"Silencing chromatin in the pathogenesis of brain cancer"  
01/01/2012-31/12/2014  
520.000 Euro
  - **Consiglio Nazionale delle Ricerche (CNR) EPIGEN Flagship Project**  
"Epigenetic role of histone H3 lysine 4 and 27 methylation in direct neuronal reprogramming and reacquisition of pluripotency"  
01/01/2012-30/06/2016  
272.000 Euro
  - **Ministero della Salute - Grant on Stem Cells**  
"Epigenetics of glioblastoma multiforme: pathogenetic role of the genes controlling H2K27 methylation"  
16/06/2011-16/06/2013  
135.000 Euro
  - **NIH-peer-reviewed Italian Health Ministry Grant for Young Researchers**  
"Defining stem cells lineages for regenerative medicine: histone methylation in neural differentiation"  
01/01/2011-31/12/2013  
583.286 Euro

- **NIH-peer-reviewed Italian Health Ministry Grant for Young Researchers**  
"The role of Polycomb group proteins in oncogenesis and cell reprogramming. Applications in cancer therapy and regenerative medicine"  
01/07/2009-30/06/2012  
240.000 Euro
- **Association for International Cancer Research (AICR, now WCR)**  
"Histone H3 Lysine 27 demethylation in gliomagenesis"  
01/04/2009-31/03/2012  
119.568 Euro
- **Associazione Italiana per la Ricerca sul Cancro (AIRC)**  
"Histone demethylation in carcinogenesis and lineage commitment"  
01/01/2008-31/12/2011  
450.000 Euro
- **Associazione Italiana per la Ricerca sul Cancro (AIRC)**  
"A functional genomics approach to the role of histone methylation in stem cell renewal and lineage commitment"  
01/01/2005-31/12/2007  
140.000 Euro

**Membership in Scientific Societies:**

- Federation of European Neuroscience Societies (FENS) and Italian Society for Neurosciences (SINS)
- Society for Neuroscience (SfN)
- International Society of Stem Cell Research (ISSCR)
- Associazione di Biologia Cellulare e Differenziamento (ABCD)
- Società Italiana di Biofisica e Biologia Molecolare (SIBBM)
- European Society for the study of Human Evolution (ESHE)
- European Society of Human Genetics (ESHG)
- American Society of Human Genetics (ASHG)
- Society for the Study of Evolution (SSE)

**Reviewer for selected funding agencies and journals**

**Institutions and funding agencies:**

European Commission; European Research Council (ERC); the Medical Research Council (MRC); Swiss National Science Foundation; French National Research Agency (ANR); Worldwide Cancer Research (UK); British Council; INSERM; Children with Cancer UK; Flanders Agency for Innovation by Science and Technology (IWT); University of Luxembourg

**Journals:**

Science, Nature, Nature Neuroscience, Nature Methods, Nature Communications, Nature Immunology, American Journal of Human Genetics, Development, Cell Reports, Stem Cell Reports, Journal of Biological Chemistry, Genes and Development, Neurobiology of Disease, Trends in Genetics

**Academic honors and appointments to scientific bodies**

- Member of the Scientific Technical Committee for the Continuous Training in Medicine (Educazione Continua in Medicina) for the IRCCS – Oasi Maria SS. (Troina)
- Member of the Scientific Advisory Board of the H2020 funded "Human Cell Atlas / Organoid" project together with Aviv Regev, Sarah Teichmann and Rahul Satija
- Member of the Ethics Committee of the Umberto Veronesi Foundation
- Member of the International Scientific Committee of the BRAINCITY: Center of Excellence in Neural Plasticity & Brain Disorders

- President of the National Commission appointed by the Italian Health Ministry and ACC (Alleanza Contro il Cancro) for the implementation of the GDPR across Italian Research Hospitals (IRCCS)
- Elected member of the governing Council of the Italian Society of Cell Biology and Differentiation (ABCD – Associazione di Biologia Cellulare e Differenziamento) for the 2014-2016 term
- Member of the Public Policy Committee of the International Society for Stem Cell Research (ISSCR)
- Member of the International Affairs Committee of the International Society for Stem Cell Research (ISSCR)
- Member of the Ethics Advisory Board of the Innovative Medicine Initiative (IMI) project "European Bank for Induced Pluripotent Stem Cells (EBiSC)"
- Member of the Working Group on Ethics of the International Human Epigenome Consortium (IHEC)
- Member of the Executive Committee of the Italian National Research Council (CNR) Flagship Project EPIGEN
- Chair of the Ethics Advisory Board of the EU Network MODHEP "Systems Biology of Liver Cancer: an Integrative Genomic-Epigenomic Approach" for the 2011-2016 term
- Elected to the governing Council of the International Society for the History, Philosophy and Social Studies of Biology (ISSHPSB) for the 2011-2015 term
- Appointed to the Management Committee of the European COST action "Bio-objects and their Boundaries: Governing Matters at the Intersection of Society, Policy and Science" ([http://www.cost.eu/domains\\_actions/isch/Actions/IS1001](http://www.cost.eu/domains_actions/isch/Actions/IS1001))
- Appointed to the Management Committee of the European COST action "Citizen's Health through public-private Initiatives: Public health, Market and Ethical perspectives (CHIP ME)" ([http://www.cost.eu/domains\\_actions/isch/Actions/IS1303](http://www.cost.eu/domains_actions/isch/Actions/IS1303))
- Associate Principal Investigator of the EU Research Network EuroSyStem
- Ethics Advisor of the EU Research Networks ESTools and NeuroStemCell
- Member of the Ethics Advisory Board of the Human Genetics Foundation (HUGE), Turin, Italy

#### **Membership in editorial boards of scientific journals:**

- Appointed to the Editorial Board as Advisory Editor of *Stem Journal*
- Appointed to the Editorial Board of *Journal of Biological Chemistry*
- Appointed to the Editorial Board of Cell Press journal *Stem Cell Reports*
- Appointed to the Editorial Board of *Journal of Medical Ethics* through August 2018

#### **Patents:**

- "Reprogramming-based models of neurodevelopmental disorders and uses thereof" International deposit number: PCT/EP2015/077659

#### **Scientific prizes:**

- 2019:** Anzalone Prize from the "Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano"
- 2003:** Roche Prize for "Leading Bioscientists of the Next Decade"
- 1997:** Prize "Luigi Manara" from the University of Perugia for the medical student with the best academic curriculum.
- 1997:** National prize "Luigi Casati" from the "Accademia dei Lincei" for the best MD thesis defended during the year 1996
- 1995:** Prize of the Foundation "Francesco Rebucci" for students and young graduates performing research in experimental oncology

#### **Organization of international conferences**

**2020:** Giuseppe Testa and Eran Meshorer

- "Stem Cell Epigenetics"  
European Institute of Oncology, Milan, December 14-16
- 2018: Giuseppe Testa**, Ilaria Galasso and Nadav Even Chorev  
"Precision Medicine for a Changing Population: workshop on the Italian context"  
European Institute of Oncology, Milan, September 18
- 2016:** Joint Conference of the International Society for Stem Cell Research (ISSCR), the European Society for Gene and Cell Therapy (ESGCT), and the Associazione Italiana di Biologia Cellulare e Differenziamento (ABCD) "Changing the Face of Modern Medicine: Stem Cells & Gene Therapy", Florence, October 18-21
- 2015: Giuseppe Testa** and Marco Bianchi  
EPIGEN-MiChroNetwork Chromatin Seminar  
"Changing Landscapes: Histone Turnover in Health and Disease"  
Milan, September 22
- 2014: Giuseppe Testa**, Luca Chiapperino and Maria Damjanovicova  
"EPIGENomics and Health care Policy", a joint conference of the Italian National Research Council (CNR) EPIGEN Flagship Project, along with EU consortia BLUEPRINT, DEEP and EPIGENESYS  
European Institute of Oncology, Milan, December 1-3
- 2011: - Giuseppe Testa**, Raymond Poot and Helena Mira  
"Biology of Neural Systems", a workshop of the EU Research Network EuroSyStem  
European Institute of Oncology, Milan, December 4-6
- Giuseppe Testa**, Sheila Jasanoff and Halldor Stefansson  
EMBL Summer School "The human animal: scientific, social and moral perspectives"  
EMBL, Heidelberg, August 1-6
- 2009: Giuseppe Testa**, Stefano Casola and Thomas Graf  
"Reprogramming cell fate: basic biology and medical perspectives"  
IFOM-IEO-Campus, Milan December 9-11
- 2008: Giuseppe Testa**, Sheila Jasanoff and Halldor Stefansson  
EMBL Summer School "Deconstructing and reconstructing life: from classification to design"  
EMBL, Heidelberg, August 25-30
- 2007: Giuseppe Testa** and Christina Brandt  
"Times of cloning: historical and cultural aspects of a biotechnological research field"  
Max Planck Institute for the History of Science, Berlin, March 1-4
- 2004: Giuseppe Testa** and Giorgio Vasta  
International workshop on Life Sciences and Narratives "Embryos and plots: public lectures on science and narratives"  
Holden School of creative writing and narrative studies, Turin, March 22-26
- 2000:** Co-organizer of the first International PhD symposium on Neurobiology "From Genes to Thoughts"  
EMBL, Heidelberg, October 20-21

### **Selected invited talks and conference communications**

- 2022:**
- 2nd Cold Spring Harbor Laboratory (CSHL) conference on "Development and 3D Modeling of the Human Brain", Cold Spring Harbor, December 7-10
  - FENS Forum "European Neuroscience meets the world", Paris, July 9-13
  - Gordon Research Conference Fragile X and Autism-Related Disorders, May 15-20
  - International Winter Neuroscience Conference, Sölden, April 3-7
- 2021:**
- TERMIS 6th World Congress, Maastricht, November 15-19
  - World Wide Neuro, March 4



- Global Connectome: A Virtual Event. Society for Neuroscience, January 11 - 13
- 2020:**
- EMBO | EMBL SYMPOSIUM on Organoids "Modelling Organ Development and Disease in 3D Culture", Heidelberg, October 21-24
  - International Society for Stem Cell Research (ISSCR) Annual Meeting, Boston, June 24-27
- 2019:**
- 2<sup>nd</sup> Cold Spring Harbor Laboratory (CSHL) conference on "Development and 3D Modeling of the Human Brain", Cold Spring Harbor, December 9-12
  - Dutch Society for Human Genetics Autumn Meeting, Papendal, October 1-2
  - 23<sup>rd</sup> European Society for Neurochemistry (ESN) Biennial Meeting and 7<sup>th</sup> Conference on Molecular Mechanisms of Regulation in the Central Nervous System, Milan, September 1-4
  - Regional FENS Meeting "Modelling of neuronal disorders through cell reprogramming", Belgrade, July 10-13
  - H2020 FET-Flagship "LifeTime" Opening Conference, Berlin, May 6-7
  - First Stem Cells and Organoids Meeting, University of Lausanne, Lausanne, April 4
- 2018:**
- "Drawing the Line: Analyzing the International Guidelines on Human Embryo Research from Ethical, Legal, Social and Scientific Perspectives", Fondation Brocher, Geneva, December 12-14
  - ENABLE Conference - The 2<sup>nd</sup> European PhD and Postdoc symposium "The Promise of Future Medicine: From Research to Therapy", Copenhagen, November 7-9
  - 11<sup>th</sup> annual Berlin Summer Meeting Grand Berlin Institute for Medical Systems Biology Opening Symposium, Berlin, October 25-27
  - Workshop on "Epigenetics in cognition, developmental and evolutionary perspective" of the "Ettore Majorana Foundation and Centre for scientific culture", Erice, September 25-30
  - EMBL Monterotondo Invited Seminar "The world within: Operating the epigenetics toolbox across science and society"- Rome, September 7
  - 43<sup>rd</sup> Federation of the European Biochemical Societies (FEBS) Congress, Prague, July 7-12
  - Opening Plenary Lecture, European Human Genetics Conference, Milan, June 16-19
  - Federation of European Neuroscience Societies (FENS)-Society for Neuroscience (SfN) Summer school 2018 "Neural stem cells, brain organoids and brain repair", Bertinoro, June 3-9
  - 13<sup>th</sup> Troina Meeting on Genetics of Neurodevelopmental Disorders, Troina, April 12-14
  - Spineto Epigenetics Meeting in Memory of Sir Patrick Bateson, Spineto, March 22-25
- 2017:**
- Cold Spring Harbor Laboratory (CSHL) Meeting on "Development and 3D Modeling of the Human Brain", Cold Spring Harbor, CSHL, December 6-9
  - "Model Systems, Organoids and the Human Cell Atlas" Workshop, Berlin Institute for Medical Systems Biology (BIMSB) and Max Delbrück Center for Molecular Medicine (MDC), November 14
  - International meeting on Williams-Beuren syndrome: Research advances and integrative management "Building our future", Madrid, November 10-11
  - International symposium "Editing genomes with CRISPR. Between scientific breakthrough and societal challenges" University of Wien, October 19-20

- National Congress of the Società Italiana di Neuroscienze, “Of mice and men: murine models and human brain organoids for the mechanistic dissection of neurodevelopmental disorders”, Ischia, October 1-4
- 13<sup>th</sup> World Conference on the Future of Science “The Lives to Come”, Venice, September 21-22
- Dhalem Colloquia Max Planck Institute for Molecular Genetics, Berlin, June 26
- Italian Society of Biophysics and Molecular Biology (SIBBM) “Frontiers in Biology: From Single Cells to 3D-Cell Culture”, Milan, June 14-16
- SIGU Congress (Società Italiana di Genetica Umana) - Biomedica "Malattie genetiche da difetti dell'apparato epigenetico: le cromatinopatie", Bari, May 8-9

**2016:**

- XIX SIGU (Società Italiana di Genetica Umana) National Congress, Turin, November 23-26
- Joint Conference of the International Society for Stem Cell Research (ISSCR), the European Society for Gene and Cell Therapy (ESGCT), and the Associazione Italiana di Biologia Cellulare e Differenziamento (ABCD) "Changing the Face of Modern Medicine: Stem Cells & Gene Therapy", Florence, October 18-21
- 12<sup>th</sup> World Conference on the Future of Science “Digital Revolution: what is changing for humankind?”, Venice, September 22-24
- 11th Troina Meeting on Genetics of Neurodevelopmental Disorders, Troina, April 21-23

**2015:**

- 17<sup>th</sup> International Workshop on Fragile X and Other Early Onset Cognitive Disorders, Strasbourg, September 27-30
- Keynote speaker. 11<sup>th</sup> World Conference on the Future of Science “Precision Medicine: Present Challenges for Future Cures”, Venice, September 17-19
- National Congress of the Italian Society for Cell Biology and Differentiation (ABCD), Bologna, September 17-19
- 10th International Meeting on Copy Number Variants and Genes in Intellectual Disability and Autism, Troina, April 16-18

**2014:**

- EMBO Workshop “Epigenetic plasticity: Implications in neural (dys)function” Braga, Portugal, October 22 - 25
- Glioma Club 2014 National Hospital for Neurology and Neurosurgery, London, October 20
- EMBO Conference “Brain development and disorders”, La Ciotat, France, September 5-8
- G. Armenise Harvard Foundation 15<sup>th</sup> Symposium "Mechanisms to Molecules", June 22-25
- Joint Meeting of the British Societies for Cell Biology and Developmental Biology, Warwick University, March 16-19

**2013:**

- Christian-Albrechts-Universität zu Kiel Symposium “Das Ende der Wissenschaft und darüber hinaus” Part II, November 8
- 3<sup>rd</sup> Oxford Symposium on Epigenetic Mechanisms in Health and Disease “Neuropsychiatry and Inflammation: Epigenetic Target Discovery Beyond Oncology”, University of Oxford (UK) March 14-15

**2012:**

- “Stem Cell Technologies in Functional Genomics”, Lieber Institute for Brain Development, Maltz Research Laboratories, Baltimore (USA) November 26-27
- Cold Spring Harbor Workshop on Stem Cells, July 27-August 5
- Roche-Nature Medicine Translational Neuroscience Symposium “Autism Spectrum Disorders: From Biological Understanding to Therapeutic Strategies”, Buonas (Switzerland) April 23-25

**2011:**

- Meeting of the Ethics and Public Policy Committee of the International Society of Stem Cell Research (ISSCR) "Pathways Towards a Sustainable Ethics of Human Stem Cell Research", Brocher Foundation, Geneva December 1-2
- International Symposium on Clinical and Basic Investigation in Glioblastoma, Valencia, 23-25 June
- Keynote lecture, "Looking back ahead. The 10th Anniversary of the Human Genome and Its Implications for Science and Society", University of Wien, May 17

**2010:** Cold Spring Harbor Workshop on Stem Cells, July 30-August 8

**2009:** Guest lectures and courses as Distinguished International Professor at the University of Pennsylvania

**2008:**

- Cold Spring Harbor Workshop on Stem Cell Technologies, August 6-13
- Guest lectures and courses as Distinguished International Professor, University of Pennsylvania (Upenn)

**2003:** 5<sup>th</sup> International Workshop on Advanced Genomics, Yokohama (Japan), June 26-27

**Publications**

**Peer reviewed articles**

1. HM. Kolev, A. Swisa, E. Manduchi, Y. Lan, RR. Stine, **G. Testa**, KH. Kaestner. H3K27me3 demethylases maintain the transcriptional and epigenomic landscape of the intestinal epithelium. *Cell Mol Gastroenterol Hepatol* 2022 Dec 8;S2352-345X(22)00249-1. doi: 10.1016/j.jcmgh.2022.12.001
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**Selected public dissemination activities:**

- "BrainOmics course", Human Technopole (<https://humantechnopole.it/en/ht-course-brainomics/>) Nov-Dec 2022
- "Stem Cell Epigenetics", University of Milan, July 2022
- Realization of the LifeTime video on organoids as personalized disease models (<https://lifetime-initiative.eu/videos/>)
- Organizer and co-creator of the documentary "Epigenetica. Come il nostro corpo memorizza il mondo (Epigenetics. The memory of the world in our body)" funded and realized by the Italian National Research Council (CNR) and the Milan School of Cinema (Civica Scuola di Cinema).  
Awarded the Prize for "Best student documentary" at the RAW Science Film Festival Award 2017 - Los Angeles  
Awarded the Premio Filmaggia "Cinema e Formazione" Venezia 2017 - 74ma Mostra Internazionale del Cinema di Venezia (<https://goo.gl/ciWNTc>)
- TEDxRoma 2016 Game Changers: "Disease avatars: Chasing precision medicine through cell reprogramming" ([https://www.youtube.com/watch?v=ZBml\\_XtjCZU](https://www.youtube.com/watch?v=ZBml_XtjCZU))
- Agnelli Foundation 50th anniversary "Future is" (<http://ilfuturoè.it/#/playlist/search/testa?current=4&query=testa>)

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Milan January 31<sup>st</sup> 2022

A handwritten signature in black ink, consisting of a stylized, cursive name, positioned above a horizontal line.