

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 Centre for Neurogenomics 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

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Webpages:

<http://www.testalab.eu>
<http://www.unimi.it/chiedove/schedaPersonaXML.jsp?matricola=17920>
<https://www.research.ieo.it/research-and-technology/principal-investigators/high-definition-disease-modelling-lab-stem-cell-and-organoid-epigenetics/>
<https://www.humantechnopolie.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)
2006-2015: 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)
Deputy Director, Research Unit on Biomedical Humanities, European Institute of Oncology (Milan, Italy)
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 Centre for Neurogenomics 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)
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

Membership in Scientific Societies:

- American Society of Biochemistry and Molecular Biology (ASBMB)
- 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 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 Ethics and Public Policy Committee of the International Society for Stem Cell Research (ISSCR) for the 2007-2017 term
- 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)
- 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)
- 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 (HUGEF), 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* 2015-2020
- 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:

- 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

- 2022:** **Giuseppe Testa** and Eran Meshorer
"Stem Cell Epigenetics"
European Institute of Oncology, Milan, July 4-6
- 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

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:

- 2nd 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
- 23rd European Society for Neurochemistry (ESN) Biennial Meeting and 7th 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, Geneve, December 12-14
- ENABLE Conference - The 2nd European PhD and Postdoc symposium "The Promise of Future Medicine: From Research to Therapy", Copenhagen, November 7-9
- 11th 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
- 43rd 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
- 13th 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 HarborBrain", 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
- 13th 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) - Biimedia "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
- 12th 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:

- 17th International Workshop on Fragile X and Other Early Onset Cognitive Disorders, Strasbourg, September 27-30
- Keynote speaker. 11th 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 15th 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
- 3rd 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, Geneve 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: 5th International Workshop on Advanced Genomics, Yokohama (Japan), June 26-27

Publications

Peer reviewed articles

1. S. Campinoti, A. Gjinovci, R. Ragazzini, L. Zanieri, L. Ariza-McNaughton, M. Catucci, S. Boeing, J. Park, JC. Hutchinson, M. Muñoz-Ruiz, PG. Manti, G. Vozza, CE. Villa, DE. Phylactopoulos, C. Maurer, **G. Testa**, HJ. Stauss, SA. Teichmann, NJ. Sebire, AC. Hayday, D. Bonnet & P. Bonfanti Reconstitution of a functional human thymus by postnatal stromal progenitor cells and natural whole-organ scaffolds *Nature Communications* 2020 Dec 11;11(1):6372. doi: 10.1038/s41467-020-20082-7.
2. N. Caporale, **G. Testa** COVID-19 lessons from the dish: Dissecting CNS manifestations through brain organoids *EMBO Journal*, 2020 Nov 11;e107213. doi: 10.15252/embj.2020107213

3. F. Cavallo, F. Troglio, G. Fagà, D. Fancelli, R. Shyti, S. Trattaro, M. Zanella, G. D'Agostino, JM. Hughes, MR. Cera, M. Pasi, M. Gabriele, M. Lazzarin, M. Mihailovich, F. Kooy, A. Rosa, C. Mercurio, M. Varasi, and **G. Testa** High-throughput screening identifies histone deacetylase inhibitors that modulate GTF2I expression in q11.23 microduplication autism spectrum disorder patient-derived cortical neurons *Molecular Autism* 2020 Nov 19;11(1):88. doi: 10.1186/s13229-020-00387-6.
4. P. Lo Riso, CE. Villa, G. Gasparoni, A. Vingiani, R. Luongo, A. Manfredi, A. Jungmann, A. Bertolotti, F. Borgo, A. Garbi, M. Lupia, P. Laise, D. Das, G. Pruneri, G. Viale, N. Colombo, T. Manzo, L. Nezi, U. Cavallaro, D. Cacchiarelli, J. Walter, **G. Testa**. A cell-of-origin epigenetic tracer reveals clinically distinct subtypes of high-grade serous ovarian cancer *Genome Med* 2020 Oct 30;12(1):94. doi: 10.1186/s13073-020-00786-7.
5. Y. Huang, H. Zhang, L. Wang, C. Tang, X. Qin, X. Wu, M. Pan, Y. Tang, Z. Yang, IA. Babarinde, R. Lin, G. Ji, Y. Lai, X. Xu, J. Su, X. Wen, T. Satoh, T. Ahmed, V. Malik, C. Ward, G. Volpe, L. Guo, J. Chen, L. Sun, Y. Li, X. Huang, X. Bao, F. Gao, B. Liu, H. Zheng, R. Jauch, L. Lai, G. Pan, J. Chen, **G. Testa**, S. Akira, J. Hu, D. Pei, AP. Hutchins, MA. Esteban, B. Qin JMJD3 acts in tandem with KLF4 to facilitate reprogramming to pluripotency *Nature Communications* 2020 Oct 8;11(1):5061. doi: 10.1038/s41467-020-18900-z.
6. C. Cheroni, N. Caporale, **G. Testa** Autism spectrum disorder at the crossroad between genes and environment: contributions, convergences, and interactions in ASD developmental pathophysiology *Molecular Autism* 2020 Sep 10;11(1):69. doi: 10.1186/s13229-020-00370-1.
7. N. Rajewsky, G. Almouzni, SA. Gorski, S. Aerts, I. Amit, MG. Bertero, C Bock, AL. Bredenoord, G. Cavalli, S. Chiocca, H. Clevers, B. De Strooper, A. Eggert, J. Ellenberg, XM. Fernández, M. Figlerowicz, SM Gasser, N. Hubner, J. Kjems, JA. Knoblich, G. Krabbe, P. Lichter, S. Linnarsson, JC. Marine, J. Marioni, MA. Martí-Renom, MG. Netea , D. Nickel, M. Nollmann, HR Novak, H. Parkinson, S. Piccolo, I. Pinheiro, A. Pombo, C. Popp, W. Reik, S. Roman-Roman, JL. Rosenstiel, JL. Schultze, O. Stegle, A Tanay , **G. Testa**, D Thanos, FJ Theis, ME Torres-Padilla, A. Valencia, C Vallot, A. van Oudenaarden, M. Vidal, T Voet; LifeTime Community LifeTime and improving European healthcare through cell-based interceptive medicine *Nature* 2020 Sep 7. doi: 10.1038/s41586-020-2715-9.
8. ME. Torres-Padilla, AL. Bredenoord, KR. Jongsma, A. Lunkes, L. Marelli, I. Pinheiro, **G. Testa**. Thinking "ethical" when designing an international, cross-disciplinary biomedical research consortium *EMBO Journal* 2020 Oct 1;39(19):e105725. doi: 10.15252/embj.2020105725.
9. G. Barbagiovanni, M. Gabriele and **G. Testa** KMT2B and Neuronal Transdifferentiation: Bridging Basic Chromatin Mechanisms to Disease Actionability *Neurosciences Insights* 2020 Jun doi: 10.1177/2633105520928068
10. A. López-Tobón, S. Trattaro and **G. Testa** The sociability spectrum: evidence from reciprocal genetic copy number variations *Molecular Autism* 2020 Jun 16;11(1):50. doi: 10.1186/s13229-020-00347-0
11. D. Lupu, P. Andersson, C.G. Bornehag, B. Demeneix, E. Fritzsche, C. Gennings, W. Lichtensteiger, M. Leist, P.E.G. Leonards, A.L. Ponsonby, M. Scholze, **G. Testa**, J.A.F. Tresguerres, R.H.S. Westerink, B. Zalc, J. Rüegg The ENDpoiNTs Project: Novel Testing Strategies for Endocrine Disruptors Linked to Developmental Neurotoxicity *International Journal of Molecular Sciences* doi: 10.3390/ijms21113978.
12. D. Drakulic, S. Djurovic, Y.A. Syed, S. Trattaro, N. Caporale, A. Falk, R. Ofir, V.M. Heine, S.J.R.A. Chawner, A. Rodriguez-Moreno, M.B.M. van den Bree, **G. Testa**, S. Petrakis, A.J. Harwood Copy number variants (CNVs): a powerful tool for iPSC-based modelling of ASD *Molecular Autism* 2020 Jun 1;11(1):42. doi: 10.1186/s13229-020-00343-4.
13. M. Pinelli, G. Terrone, F. Troglio, G.M. Squeo, G. Cappuccio, F. Imperati, P. Pignataro, R. Genesio, L. Nitch, E. Del Giudice, G. Merla, **G. Testa**, N. Brunetti-Pierri A small

- 7q11.23 microduplication involving GTF2I in a family with intellectual disability *Clinical Genetics* 2020 Jun;97(6):940-942. doi: 10.1111/cge.13753
14. S. Choufani, W.T. Gibson, A.L. Turinsky, B.H.Y. Chung, T. Wang, K. Garg, A. Vitriolo, A.S.A. Cohen, S. Cyrus, S. Goodman, E. Chater-Diehl, J. Brzezinski, M. Brudno, L.H. Ming, S.M. White, S.A. Lynch, C. Clericuzio, I.K. Temple, F. Flinter, V. McConnell, T. Cushing, L.M. Bird, M. Splitter, B. Kerr, S.W. Scherer, J. Machado, E. Imagawa, N. Okamoto, N. Matsumoto, **G. Testa**, M. Iascone, R. Tenconi, O. Caluseriu, R. Mendoza-Londono, D. Chitayat, C. Cytrynbaum, K. Tatton-Brown, R. Weksberg DNA Methylation Signature for EZH2 Functionally Classifies Sequence Variants in Three PRC2 Complex Genes *American Journal of Human Genetics* 2020 May 7;106(5):596-610. doi: 10.1016/j.ajhg.2020.03.008
 15. N.E. Chorev and **G. Testa** Acting on uncertainty: real-life mixtures of endocrine disrupting chemicals *BioSocieties* (2020). <https://doi.org/10.1057/s41292-020-00192-7>
 16. E. Drakvik, R. Altenburger, Y. Aoki, T. Backhaus, T. Bahadori, R. Barouki, W. Brack, M.T.D. Cronin, B. Demeneix, S. Hougaard Bennekou, J. van Klaveren, C. Kneuer, M. Kolossa-Gehring, L. Lebret E, Posthuma, L. Reiber, C. Rider, J. Ruegg, **G. Testa**, B. van der Burg, H. van der Voet, A.M. Warhurst, B. van de Water, K. Yamazaki, M. Öberg, Å. Bergman Statement on advancing the assessment of chemical mixtures and their risks for human health and the environment. *Environment International* 2020 Jan;134:105267 doi:10.1016/j.envint.2019.105267
 17. M. Zanella, A. Vitriolo, A. Andirko, P. T. Martins, S. Sturm, T. O'Rourke, M. Laugsch, N. Malerba, A. Skaros, S. Trattaro, P.-L. Germain, M. Mihailovic, G. Merla, A. Rada-Iglesias, C. Boeckx and **G. Testa** Dosage analysis of the 7q11.23 Williams region identifies BAZ1B as a major human gene patterning the modern human face and underlying self-domestication. *Science Advances* 2019 Dec 4;5(12):eaaw7908. doi: 10.1126/sciadv.aaw7908 Spotlight in the April issue of *Trends in Genetics* by Adam S. Wilkins
 18. A. López-Tobón, C. E. Villa, C. Cheroni, S. Trattaro, N. Caporale, P. Conforti, R. Iennaco, M. Lachgar, M. T. Rigoli, B. Marcó de la Cruz, P. Lo Riso, E. Tenderini, F. Troglia, M. de Simone, I. Liste-Noya, G. Macino, M. Pagani, E. Cattaneo and **G. Testa** Human cortical organoids expose a differential function of GSK3 on cortical neurogenesis *Stem Cell Reports* 2019 Oct 1. pii: S2213-6711(19)30334-0. doi: 10.1016/j.stemcr.2019.09.005
 19. A. Vitriolo, M. Gabriele and **G. Testa** From enhanceropathies to the epigenetic manifold underlying human cognition *Human Molecular Genetics* 2019 Aug 14. pii: ddz196. doi: 10.1093/hmg/ddz196
 20. J. Masson, C. Demily, N. Chatron, A. Labalme, P.A. Rollat-Farnier, C. Schluth-Bolard, B. Gilbert-Dussardier, F. Giuliano, R. Touraine, S. Tordjman, A. Verloes, **G. Testa**, D. Sanlaville, P. Edery, G. Lesca and M. Rossi Molecular investigation, using chromosomal microarray and whole exome sequencing, of six patients affected by Williams Beuren syndrome and Autism Spectrum Disorder *Orphanet Journal of Rare Diseases* 2019 May 31;14(1):121. doi: 10.1186/s13023-019-1094-5
 21. M.J. Nabis Sa, M. Gabriele, **G. Testa**, B.B.A. de Vries Gabriele-de Vries Syndrome *GeneReview* 2019 May 30
 22. Y. Liu, Y. Mi, T. Mueller, S. Kreibich, E. G. Williams, A. Van Drogen, C. Borel, M. Frank, P.L. Germain, I. Bludau, M. Mehnert, M. Seifert, M. Emmenlauer, I. Sorg, F. Bezrukov, F. S. Bena, H. Zhou, C. Dehio, **G. Testa**, J. Saez-Rodriguez, S. E. Antonarakis, W.-D. Hardt and R. Aebersold Multi-omic measurements of heterogeneity in HeLa cells across laboratories *Nature Biotechnology* 2019 Mar;37(3):314-322. doi: 10.1038/s41587-019-0037-y
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Selected public dissemination activities:

- 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 Filmagogia "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=ZBmI_XtjCZU)
- Agnelli Foundation 50th anniversary "Future is" (<http://ilfuturoè.it/#/playlist/search/testa?current=4&query=testa>)