



## Prof. ETTORE D. CAPOLUONGO

Full Professor of Clinical Biochemistry and Clinical Molecular Biology  
European Register of Specialists in Laboratory Medicine: Registration n. 976

June, 2020

DOB: 25.09.1970

**Marital status:** Married,  
Two Children (Giuseppe 16 yrs and Francesco 14yrs)

**Citizenship:** Italian Tax code: CPLTRD70P25G942V

**Office Address:** Department of Molecular Medicine and Biotechnological Science  
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| Year         | Degree/post graduation titles  | Academy/Site  |
|--------------|--|---|
| 1994         | MSc  | Faculty of Naples Federico II   |
| 1995         | Master of 2 <sup>nd</sup> Level in Biotechnology   | University of Naples  |
| 1998         | Specialization degree in <i>Clinical Pathology</i>   | La Sapienza" School of Medicine, Rome, Italy                                  |
| 2001         | Master of 2 <sup>nd</sup> Level in Accreditation of Clinical Laboratories  | University of Camerino, Italy   |
| 2003         | Researcher in Clinical Biochemistry and Clinical Molecular Biology   | Faculty of Medicine Catholic University of Rome                               |
| 2010         | Specialization degree in <i>Medical Genetics</i>   | Tor Vergata" School of Medicine, Rome, Italy                                  |
| 2014         | Habilitated as <i>Full Professor</i> of Clinical Biochemistry and Clinical Molecular Biology   | MIUR  |
| 2014         | Habilitated as <i>Associate Professor</i> of Clinical Pathology  | MIUR  |
| 2018         | Habilitated as <i>Full Professor</i> of General and Clinical Pathology   | MIUR  |
| 2013-present | European Young Assessor – Italian and European Medical Agencies  | AIFA/EMA  |
| 2015-2019    | Scientific Advisor of Molipharma srl, a spin-off of Catholic   | Catholic University of Rome   |
| 2017-2023    | Elected Member of the Committee on Clinical Molecular Biology Curriculum (CMBC)  | International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) |
| 2019         | Full Professor of Clinical Biochemistry and Clinical Molecular Biology   | Faculty of Medicine University Federico II - Naples                           |
| 2019-present | Head of Departmental Program on NGS application to Ovarian, Breast Prostate and Pancreatic cancers, pNET – Member of Multidisciplinary Oncological Group testing | Dept. Laboratory and Transfusion Medicine Federico II Hospital, Naples        |



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| 2019-present | Consultant at EU-Commission DIGIT-CIRCABC European Commission as representative of European Federation of Laboratory Medicine (EFLM) | European Commission |
| 2020-present | Co-Chair of Molecular LAB for COVID-2 testing (CORONET network Campania region)  | CEINGE-FEDERICO II  |
| 2020-present | Member of Expert Alliance on Personalized Medicine   | European Parliament |
| 2020-2023    | Member of the European Commission expert panels on medical devices and <i>in vitro</i> diagnostic medical devices                    | European Commission |

Specialty Certification:

**2008-present**

**Coordinator of "Study Group on Applications of Clinical Molecular Biology"** belonging to the Italian Society of Clinical Biochemistry and Molecular Biology-Laboratory Medicine (SiBioC)

**2009-present**

**Coordinator of "Training School on Applications of Clinical Molecular Diagnostics"** belonging to the Italian Society of Clinical Biochemistry and Molecular Biology (SiBioC)

**2011-18:**

**Curator of G6PD Genetic Database** of Leiden University Medical Center

**2012-present:**

**Coordinator of "Study Group on Quality Control in Clinical Molecular Biology"** belonging to the Italian Society of Clinical Biochemistry and Molecular Biology-Laboratory Medicine (SiBioC)

**2015-2018:**

**Coordinator and Head of Italian laboratory network (Azfastnet-Italy) for BRCA1/2 testing.**

**2015-2016** **Coordinator and Head of Italian laboratory network (AZfastnet-Saudi Arabia) for BRCA1/2 testing for Saudi Arabia Hospitals**

**2016:** **Molise Regional Health System Directorate: Member of Working Group of Study and Steering Committee for "Reorganization of Public and Private Diagnostic Laboratories"**

**2019:** **Consultant at EU-Commission DIGIT-CIRCABC European Commission as representative of European Federation of Laboratory Medicine (EFLM)**

**Memberships in Professional and Scientific Societies and Federal Agencies Study Sections:**

National Societies:

**2003-present** Italian Society of Clinical Biochemistry and Molecular Biology (SIBioC)

**2017-2023: Full Member of the Committee on Clinical Molecular Biology Curriculum (C-CMBC) - International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)**

**Editorial Positions**

2007-present Editorial Board: JOURNAL

- a) International Journal of Osteoporosis and Metabolic Disorders
- b) The World Journal of Dermatology
- c) Pediatric Biochemistry
- d) Cancers

2006-present Reviewer Board Member

- a) Clinical Biochemistry
- b) Cytokine
- c) Cytotherapy
- d) Gene
- e) Human Immunology
- f) Human Genetics
- g) Human Mutation
- h) Clinica Chimica Acta
- i) Clinical Chemistry
- j) Clinical Chemistry and Laboratory Medicine
- k) BMC Genetics
- l) PLoS One
- m) TALANTA
- n) Biochimica and Biophysica Acta
- o) Oncotarget
- p) Pediatrics
- q) Journal of Cancer Biomarkers
- r) Cancers



### Main fields of research

- 1) Prof. Capoluongo focused his research activities in the field of chronic lung diseases of subjects under intensive care treatments. In this regard, he published several papers regarding the pathophysiology of pulmonary disorders focusing the attention on the identification of potential useful biomarkers able to predict very early patient's outcome.

Some research are currently performed in collaboration with the Department of Neonatal Intensive Care Unit (NICU of third level) belonging to the University of Paris Sud, CHU "A. Beclere" and Neonatal Intensive Care Unit, University of Liège, CHU de Liège (CHR Citadelle), Belgium. A specific international Study Group on Study group on Secretary Phospholipase in Paediatrics (SSPP) has been specifically created in 2010.

Some papers were published on the main scientific journals related to this specific topic, such as Eur Respir J, Critical Care, Int Care Med, Curr Pharm, PLoS One, Pediatr Crit Care Med, J Clin Pharmacol, Annal Bioch, BMC Pediatr.

- 2) A second field of interest regards the research on potential biomarkers useful for diagnostics, prognostic and predictive purposes. In this regard, some papers have been published regarding melanoma, prostate breast cancers, respectively. The activity has been already focused on the identification and setup of bio-molecular methods able to quantify and count these circulating biomarkers. A specific kit for liquid biopsy analysis on melanoma high AJCC stages is under CE\_IVD clearance (in collaboration with Italian Dx Companion) based on our studies.

Very recently, the techniques based on next generation sequencing were applied to different models of disease, in order to standardize diagnostic laboratory pipelines. The interaction with Prof. Fortina and Dr. Cristofanilli's group represents an important and stimulating collaboration (as published on Clin Canc Res, Oncotarget, etc.)

- 3) Prof. Capoluongo interacts with many clinical groups, contributing to different translational researches. In particular in the last four years he has focused his job in clinical setting of NGS technologies in routine diagnostics, above all to try to respond to any type of clinical and translational research needs. The skills obtained in particular on NGS-based *BRCA1/2* testing are applied also to other diseases, like metabolic, cardiovascular, rare disorders and NIPT. These skills have allowed Prof. Capoluongo to be included in the main national and international advisory boards in this topic.



Noteworthy, Dr. Capoluongo has contributed in creating the biggest Italian facility dedicated to *BRCA1/2* genetic testing on both germline and somatic (tumor) DNAs. Since year 2015, in the context of this facility, Prof. Capoluongo is the “opinion leader” for BRCA mutation testing (he has reported more than 10.000 clinical samples in the last four years). Finally, he has managed tens of thousands clinical samples analysed for different clinical and research purposes.

- 4) He has routinely and daily contacts with clinicians working in the same hospital, but he is also involved within national and international collaborations (please, check the list of publications below reported).

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| <b>LECTURES BY INVITATION (SELECTED PAST 9 YEARS)</b> |
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**LECTURES BY INVITATION**

- |             |  |
|-------------|--|
| <b>2006</b> | <p><b><i>“Molecular Biology in Clinical Laboratory</i></b><br/> Catholic University – Medical School of Campobasso (Italy)</p>   |
| <b>2008</b> | <p><b>“Role of free blood circulating nucleic acids and cells”.</b><br/> University of Camerino, Faculty of Biological Sciences (Italy)</p>  |
| <b>2008</b> | <p><b>“Standardization and Quality assurance in molecular biology testing”.</b><br/> Catholic University – Medical School of Campobasso (Italy)</p>  |
| <b>2009</b> | <p><b>Standardization and Quality assurance in diagnostic molecular tests. National Annual Congress of SIBioC, Naples, 2009</b></p> <p><b>“Red Blood Cell enzyme defects”</b> – Meeting on Anemia - Catholic University – Medical School of Campobasso (Italy)</p> <p><b>“Diagnostic Applications of Clinical Molecular Biology: the Laboratory meets clinicians”</b> – 41th National Congress SIBioC Society Naples (Italy)</p> |



**Standardization and quality control in clinical molecular biology:** 41th National Congress SIBioC Society, Naples (Italy)

**“Diagnosis of Favism: from biochemical determination to molecular diagnostic”** – Meeting on Anemia - Catholic University – Medical School of Campobasso (Italy)

**2010:** **“Role of Vitamin D in Dermatological diseases”** – 49th National Congress A.D.O.I. Cagliari (Italy)

**“Circulating Molecular Markers in melanoma and epithelial tumors** – 42th National Congress SIBioC Society, Rome (Italy)

**“Circulating Tumor Biomarkers”** – 18<sup>th</sup> Balkan Clinical Laboratory Federation (BCLF) Meeting, Tirana (Albania)

**Expert symposium “Enrichment and detection of circulating tumor cells in melanoma and solid tumors. Their relevance in research and diagnostics,** 42th National Congress SIBioC Society, Rome (Italy)

**New molecular markers in Prostate cancer: how to manage the innovation.** 42th National Congress SIBioC Society, Rome (Italy)

**“Vitamin D: Genetic and osteoporosis”** – Regional Meeting on Osteoporosis, Viterbo (Italy)

**2011: Molecular Biology and personalized medicine”** – National Congress - SIBioC Society, Rome (Italy)


**Detailed last five years**

| <b>Year 2012</b>    |                                  |   |
|---------------------|----------------------------------|---|
| <b>Location</b>     | <b>Role</b>                      | <b>Title of Speech/Event</b>  |
| <b>Rome (It)</b>    | Consultant                       | Interview on Predictive Genomic test inside the Public Health Genomics Group  |
| <b>Rome (It)</b>    | Lecturer and Scientific Director | First, second and third Levels of Training School of Clinical Molecular Diagnostics belonging to SIBioC Society, Rome   |
| <b>Rome (It)</b>    | Speaker                          | <b>National Conference of SIBioC Society.</b><br><i>Speech title "Automation in Clinical Molecular Biology: strategies for the improvement of quality in molecular testing: a sharing of experiences"</i> |
| <b>Salerno (It)</b> | Speaker                          | 26th National Congress of Italian Society of Laboratory Medicine SIMeL<br><i>Speech title " The organization and requirements for Laboratory of Clinical molecular diagnostics"</i>                       |
| <b>Rome (It)</b>    | Speaker                          | Course of Italian Society of Uro-Oncology (SIUrO),<br><b>"Impact of clinical molecular biology on diagnosis e therapy of renal carcinomas"</b>  |
| <b>Rome (It)</b>    | Speaker                          | National Congress on celiac disease and villous atrophy<br><i>Speech title: "Genetic features of coeliac disease"</i>   |
| <b>Salerno (It)</b> | Speaker                          | National Congress of A.I.Pa.C.Me.M.<br><i>Speech title: Molecular Diagnostics in Oncology"</i>  |
| <b>Rome (It)</b>    | Speaker                          | National Congress of SIBioC Society<br><i>Speech title: Molecular Biology and Personalized Medicine"</i>  |
| <b>Parma (It)</b>   | Speaker                          | National Congress SIBioC-SIMeL Society Parma (Italy)<br><i>Speech title: "Clinical Molecular Biology in diagnostic and therapy"</i>   |



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| <b>Verona (It)</b>         | Speaker                                   | 86 <sup>th</sup> National Congress SIDeMaST Society<br><i>Speech title: "Role of Vitamin D in innate immunity"</i>   |
| <b>Year 2013</b>           |   |  |
| <b>Location</b>            | <b>Role</b>                               | <b>Title of Speech/Event</b>   |
| Rome                       | Lecturer<br>and<br>Scientific<br>Director | First, Second and Third Levels of Training School of Clinical Molecular Diagnostics belonging to SIBioC Society, Rome  |
| <b>Year 2014</b>           |   |  |
| <b>Location</b>            | <b>Role</b>                               | <b>Title of Speech/Event</b>   |
| <b>Rome</b>                | Lecturer<br>and<br>Scientific<br>Director | First, Second and Third Levels of Training School of Clinical Molecular Diagnostics belonging to SIBioC Society, Rome  |
| <b>Instanbul (Turkey)</b>  | Speaker                                   | IFCC WorldLab Istanbul 2014<br><i>Speech title: "New insight in the molecular analysis of BRCA1/2 genes means of next generation sequencing (NGS)"</i>                   |
| <b>Rome (It)</b>           | Speaker                                   | 16 <sup>th</sup> National Congress AIOM, Female Cancer Symposium<br><i>Speech title: "Pharmacogenetic testing: are we ready?"</i>  |
| <b>Rome (It)</b>           | Lecturer                                  | <i>Topic: Pharmacogenetic testing in clinical practice:</i> training courses for family doctors and specialists organized by <b>Italian Public Health Genomics Group</b> |
| <b>London (UK)</b>         | Speaker                                   | <i>6th Next Generation Sequencing Congress</i><br><i>Speech title: "Complete pipeline for clinical laboratory reporting of BRCA1/2 massive parallel sequencing"</i>      |
| <b>Genova (It)</b>         | Lecturer                                  | <i>Topic: The genetics of celiac disorders.</i><br>At the Training course for family doctors and specialists of Liguria Region   |
| <b>Bucharest (Romania)</b> | Lecturer                                  | <b>Astrazeneca Oncology Training Course</b><br><b>"BRCA1/2 Analysis in ERA of Massive Parallel Sequencing"</b>   |





| <b>Milan (It)</b>                 | Chairman    | <b>European Society of Human Genetics Conference</b> , Astrazeneca supported satellite symposium on <b>"BRCA to the future: towards best testing practice in ERA of personalized medicine"</b> |
|-----------------------------------|-------------|--|
| <b>Year 2015</b>                  |             |  |
| <b>Location/<br/>month</b>        | <b>Role</b> | <b>Title of Speech/Event</b>   |
| <b>Bolzano (It)</b><br>March      | Speaker     | <b>3rd International South Tyrolean Diagnostic Forum</b><br><i>Speech title: Circulating molecular and cell biomarkers: detection, counting or molecular profiling</i>                         |
| <b>Lisbon (Portugal)</b><br>April | Speaker     | <b>Cambridge Healthtech Institute's Inaugural Molecular Diagnostics Europe Cancer Sequencing</b><br><i>Speech title: "Laboratory Clinical reporting of BRCA1/2 Mutations"</i>                  |
| <b>Glasgow (Scotland)</b><br>June | Consultant  | <b>The BRCA Tumour Testing Expert Opinion Manuscript Steering Committee Meeting</b>  |
| <b>Padua (It)</b><br>September    | Speaker     | <b>Congress on Ovarian Carcinoma: a paradigm in translational medicine.</b><br><i>Speech title: "New Landscape for BRCA testing: analytical issues and comparison with technologies"</i>       |
| <b>Florence (It)</b><br>October   | Speaker     | <b>National Congress SIBioC. Speech on "New challenges for BRCA testing in the era of massive parallel sequencing"</b>   |
| <b>Rome</b><br>October            | Speaker     | <b>National Congress of Italian Society of Medical Oncology (AIOM).</b><br><i>Speech title: "Fast molecular BRCA testing pipeline for targeting ovarian cancer patients"</i>                   |
| <b>London (UK)</b><br>November    | Consultant  | <b>Advisory Board Member - 2015 NGS &amp; Single Cell London Congress 19th &amp; 20th November 2015 in London</b>  |
| <b>Modena (It)</b><br>November    | Speaker     | <b>Congress on BRCA: prevention, diagnosis and cure of female genetic cancers.</b><br><i>Speech title: "BRCA1/2 molecular testing, somatic better than germline or viceversa?"</i>             |
| <b>Bari (It)</b>                  | Speaker     | <b>Molecular Technologies in the clinical management and</b>   |



| December                                 |                        | <b>Personalized Medicine. Speech on: "Use of NGS technologies in Oncology"</b>  |
|--|------------------------|---|
| <b>Dubai (Emirates)</b><br>December      | Invited<br>Lecturer    | <b>MEA Diagnostics Symposium BRCA testing platforms (Direct Sequencing &amp; NGS / future technologies)</b><br><i>Sanger Massive parallel sequencing in clinical molecular diagnostics BRCA testing platforms)</i>  |
| <b>Dammam (Saudi Arabia)</b><br>December | Invited<br>Lecturer    | <b>NEXT GENERATION SEQUENCING TRAINING on BRCA1/2 testing</b><br><b>University of Dammam- Pathology Lab</b>   |
| <b>Riyadh (Saudi Arabia)</b><br>December | Invited<br>Lecturer    | <b>NEXT GENERATION SEQUENCING TRAINING BRCA1/2 testing at</b><br>Department of Pathology and Laboratory Medicine – King Faisal Specialist Hospital and Research Center  |
| <b>Year 2016</b>                         |                        |   |
| <b>Location/<br/>month</b>               | <b>Role</b>            | <b>Title of Speech/Event</b>  |
| <b>Bari (It)</b><br>February             | Speaker                | <b>First Inter-regional Congress of Laboratory Medicine (Regions: Basilicata, Campania, Calabria, Puglia, Sicilia, Sardegna)</b><br><b>Topic: "The reorganization of Laboratory Medicine"</b><br><b>Speech title: Pharmacogenomics and Personalized Therapy</b> |
| <b>Brescia (It)</b><br>March             | Speaker                | <b>Conference on BRCA: prevention, diagnosis and treatment of genetic female cancers. (at Poliambulanza Foundation Hospital)</b><br><b>Speech title: BRCA 1/2 molecular testing, somatic better than germline or viceversa?</b>                                 |
| <b>Rome (It)</b><br>April                | Expert<br>interview    | <b>National Meeting on BE PARP OF THE FUTURE:</b><br><b>Debate on: Germline or somatic BRCA mutation: clinical relevance and multidisciplinary approach</b>   |
| <b>Rome (It)</b><br>April                | Speaker                | <b>Sliding doors - Personalized Therapy of Ovarian Carcinoma"</b><br><b>Speech title: "BRCA: who, how and when to test our patients. How the result of genetic testing may influence the treatment path"</b>  |
| <b>Rome (It)</b><br>April                | Chairman of<br>session | <b>Congress on "Liquid Biopsy: Tracking Cancer"</b><br>Session on: <b>"Liquid Biopsy To Address Cancer Heterogeneity"</b>   |
| <b>Rome (It)</b>                         | Lecturer<br>and on     | <b>Italian Masterclass on Massive Parallel Sequencing in oncology</b>   |



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| May  | bench<br>Trainer               | at Catholic University  |
| <b>Avezzano (It)</b><br>May                    | Speaker                        | <b>Conference on: COELIAC DISEASE AND AUTOIMMUNE DIABETES:<br/>RELATED DISEASES</b><br><i>Speech title: Conventional and Molecular biomarkers in Diabetes<br/>and Celiac Diseases</i>   |
| <b>Rome (It)</b><br>May                        | Speaker                        | <b>Conference on: OPEN ISSUES IN ONCOLOGY:NEW DRUGS FOR<br/>GASTROINTESTINAL, OVARIAN and LUNG CANCER</b><br><i>Speech title: "Next generation techniques for biomarker<br/>identification"</i>                                       |
| <b>Barcelona<br/>(Spain)</b><br>May            | Speaker                        | <b>Congress of European Society of Human Genetics:</b><br><i>Speech title: "BRCA in clinical practice"- Satellite Symposium<br/>speech</i>  |
| <b>Naples (It)</b><br>June                     | Speaker                        | <b>Conference on: Head and Neck Carcinomas: Smoking, Alcohol,<br/>HPV. Reset and Restart.</b><br><i>Speech title: "Circulating Biomarkers: the liquid biopsy"</i>   |
| <b>Riyadh<br/>(Saudi Arabia)</b><br>14-21 July | Coordinator<br>and<br>Lecturer | <b>On bench NGS Training Course on BRCA1/2 by NGS methods</b><br><i>Department of Pathology and Laboratory Medicine – King Faisal<br/>Specialist Hospital and Research Center</i>   |
| <b>Padua (It)</b><br>September                 | Speaker                        | <b>12th Meet The Professor Advanced International Breast Cancer<br/>Course (AIBCC). The <u>National Academy of Medicine</u></b><br><i>Speech Title: Identification of high risk women: from family history to<br/>multigene assay</i> |
| <b>London (UK)</b><br>November                 |                                | <b>8th Annual Next Generation Sequencing Congress</b><br><i>Speech Title: Clinically Applicable Pipelines For Germline And<br/>Somatic BRCA Testing In Ovarian Cancer By NGS</i>  |

### Year 2017

| Location/<br>month           | Role                  | Title of Speech/Event  |
|------------------------------|-----------------------|--|
| <b>Riyadh</b>                | Visiting<br>Professor | Consultant and Visiting professor on Cancer Genomics at King Faisal<br>Research Hospital – Department of Pathology |
| <b>Matera (It),</b><br>March | Speaker               | Laboratory Medicine in South Italy: Harmonization and Innovation<br>(SIBioC)                                       |



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|                                   |                                 | <b><u>Speech:</u> Appropriateness in cancer biomarker management</b>   |
| <b>Rome</b> (It), May             | Speaker                         | Aiom Conference: Sliding Doors: personalized therapy in Ovarian Cancer.<br><b><u>Speech:</u> BRCA: lights and shadows</b>  |
| <b>Rome</b> (It), May             | Speaker                         | Conference: Cancer Woman: on the side of women" (Aiom)<br><b><u>Speech:</u> BRCA tumor testing: New opportunities for clinicians and patients</b>  |
| <b>Catanzaro</b> (It)<br>/ June   | Speaker                         | Conference on "The future cancer therapy"<br><b><u>Speech:</u> Genomics of ovarian cancer in predictive oncology: the PARP inhibitors case/</b>  |
| <b>Milan</b> (It)/<br>May-Nov     | Steering<br>Committee<br>Member | Inter-society Working Group on Guidelines for BRCA tumor testing<br>(Aiom, SIBioC, SIGU, SIPMEL)   |
| <b>Rome</b> / (June)              | Invited<br>expert               | AGENAS (National Agency for Regional Health Services):<br>Member of Advisory board on melanoma therapeutic diagnostic pathway<br>(PDTA)  |
| <b>Campobasso</b><br>(It)/ (June) | Speaker                         | Mitral and Tricuspid Valve the reality and the future: A Day with the<br>Experts<br><b><u>Speech:</u> Biochemical aspect of heart failure</b>  |
| <b>London</b> / (UK)<br>(Sept)    | Invited<br>expert<br>lecturer   | <i>IndigoMedical - BRCA Webinar</i>  |
| <b>Florence</b> (It)<br>(Oct)     | Speaker                         | 49° National Congress SIBioC Laboratory Medicine and CLinical<br>Practice: from Present to future<br><b><u>Speech:</u> Liquid biopsy: new challenges</b>   |
| <b>Amsterdam</b><br>(Oct)         | Invited<br>expert               | Member of "BRCA diagnostic Advisory expert Board" promoted by<br>Astrazeneca   |
| <b>Rome</b> (Nov)                 | Lecturer                        | Preceptorship at Catholic University on: Update on Metastatic Breast Cancer<br>Lecture: TNBC and BRCA 1/2 (Eribulina + PARP-i)   |
| <b>Naples</b> (Nov)               | Chairman<br>and<br>Speaker      | National Congress of Italian Society of Human Genetics (SIGU)<br>Workshop on NGS pipeline for BRCA testing.<br><b><u>Speech:</u> New bioinformatic tools for tumor testing.</b>  |
| <b>Milan</b> (Nov)                | Speaker<br><br>Co-Chair         | Next Generation Sequencing and Next generation Oncology – Ist. Mario Negri<br><b><u>Speech:</u> Somatic BRCA1/2 testing: issues, pitfalls, interpretation<br/>and validation of variants identified</b><br><b><u>Round Table on:</u> Liquid Biopsy in clinical setting</b> |
| <b>Year 2018</b>                  |                                 |  |
| <b>Bari</b> (Feb)                 | Speaker                         | Congress topic. "Diclimax Project update: results and perspectives"  |



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|  |                            | <b>Speech: Implementation and consolidation in molecular diagnostics: stat of the art.</b>  |
| <b>Rome (Feb)</b>                      | Lecturer                   | 2nd Degree International Master in Gynecology-Oncology<br><b>Lecture title: (3hrs): Molecular Progress in Gynecology oncology</b>   |
| <b>Martin, Slovakia</b><br>(Feb 18-24) | Lecturer and Tutor         | Lecturer and tutor at the <b>9th Begginner's Course in Molecular Diagnostics</b><br>- Faculty of Medicine,<br><b>IFCC Clinical Molecular Biology Curriculum Committee</b>   |
| <b>Lecce (March)</b>                   | Speaker                    | Congress topic Nutrients, vitamins and antioxidants in the health of the skin.<br><b>Speech: Vitamin D properties and metabolism</b>  |
| <b>Milan</b>                           | Advisory Board Member      | AIOM Working Group on Liquid Biopsy and Molecular Biomarkers  |
| <b>Rome (May)</b>                      | Speaker                    | SLIDING DOORS PROJECT: Personalized therapy of Ovarian carcinoma<br>Speech title: <b>BRCA testing: functional and clinical implications</b>   |
| <b>Pompei (May)</b>                    | Speaker                    | Speech title: <b>Liquid Biopsy as a powerful tool in solid cancers</b>  |
| <b>Erice (May)</b>                     | Speaker                    | International School of Medical Science Masterclass<br>THE NEW ERA OF LABORATORY MEDICINE: FROM DIAGNOSIS TO CLINICAL MANAGEMENT<br>Speech Title: <b>Liquid biopsy as powerful tool for monitoring Breast and Ovarian Cancer patients</b> |
| <b>London (May)</b>                    | Lecturer and Chiarman      | Regional & EU5 Diagnostic and Medical team members masterclass on <b>BRCA testing harmonization for treatment selection of OvCa patients</b>  |
| <b>Milan (June)</b>                    | Speaker/Chair              | European Society of Human Genetics Congress: Symposium on PAPR-inhibitors<br>Speech title: <b>Criticisms and Perspectives regarding BRCA tumor testing</b>  |
| <b>Rome (June)</b>                     | Scientific Committee/Chair | National Congress on Autoimmunity " <b>Autoimmune disorders: integration of laboratory, clinics, and research.</b>  |
| <b>Bologna</b>                         | Keynote Lecturer           | National Congress on "Research Progress in Pharmacogenomics: personalized medicine and clinical translation"<br><b>Lectio Magistralis: Pharmacogenetics and cancer: updates on ovarian and breast cancer</b>                              |
| <b>Riyadh (Sept)</b>                   | Speaker                    | 2nd International Breast Cancer Conference ICRG/King Saud University<br>Speech title: <b>Development of biomarkers in breast cancer.</b>  |
| <b>Bilbao (Sept)</b>                   | Speaker                    | BRCA & Beyond: Diagnostic Testing for DNA Damage Response: Current Challenges and Future Implications. Speech title: Optimization of the Laboratory Workflow for Somatic BRCA Testing   |
| <b>Naples</b>                          | Chairman                   | 50° National Congress of Italian Society of Clinical Biochemistry and Laboratory Medicine (SIBioC)  |



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|----------------------|---------|--|
|                      |         | Laboratory Medicine: from blood count to liquid biopsy. Molecular aspects  |
| <b>Bologna (nov)</b> | Speaker | 24 <sup>th</sup> Congress on ELAS-Italy- Ligand Assay,<br>Speech title: <b>Circulating free nucleic acids: applications and perspectives</b> |

| <b>Year 2019</b> |  |  |   |   |
|------------------|--|--|---|---|
| <b>Month</b>     | <b>Meeting</b>   | <b>Title of Talk</b>   | <b>Location</b>                           | <b>Role</b>                                     |
| 31.01-01-02/2019 | Gruppo MITO – Evento su Medicina personalizzata nel trattamento dei tumori ginecologici:                             | <b><i>Il ruolo del test somatico nelle pazienti con tumore ovarico</i></b>                             | Torino                                    | Speaker and Expert panel member                 |
| 27.02.2019       | AIOM – Tavolo tecnico sui Tumori ereditari: elaborazione di raccomandazioni intersocietarie sui tumori ginecologici” | Advisory board   | AIOM - Milan                              | Expert panel member                             |
| 11.02.2019       | Joint Research Centre (JRC) of the European Commission to have a joint meeting in Ispra                              | EU regulations on Medical Devices (MDR) and In-Vitro Diagnostics (IVDR)                                | Ispra, Italy                              | Expert panel member – As representative of EFLM |
| 21.03.2019       | 11° Convegno ELAS SUD – Biomarcatori Oncologici, Genetici, Cardiaci e di Sepsis.                                     | <b><i>Evoluzione delle tecniche di Biologia Molecolare in oncologia</i></b>                            | Bari                                      | Speaker   |
| 06.03.2019       | PROGETTO ED. DI CONSENSO TEST BRCA: Board Nazionale di esperti sul tema – “  | <b><i>Il Percorso per l'identificazione del corretto approccio al test BRCA”</i></b>                   | Milano                                    | Expert panel member                             |
| 08.04.2019       | MDCG - Subgroup (7) New Technologies (NET) on Software   |  | Bruxelles                                 | Expert panel member – As representative of EFLM |
| 11.05.2019       | EMEAC Regional BRCA testing in Ovarian Cancer Expert Input Forum (MSD)   | NGS and BRCA testing   | Zurich, Switzerland                       | Expert panel member                             |
| 11-05-2019       | Festival della Scienza   | <b><i>Dalla farmacogenetica alla medicina personalizzata e di precisione: sfide e opportunità”</i></b> | University of Bologna Faculty of Medicine | Lecturer  |
| 14-05.2019       | SYNGEN BOSTON CONGRESS, 14-15 May 2019: “SEQUENCING APPLICATIONS IN PRECISION MEDICINE, BIOMARKER DEVELOPMENT AND    | <b><i>How To Follow Changes In PARP-1 SENSITIVITY In Ovarian Cancer Patients Through NGS</i></b>       |   |   |



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| 20.05.2019 | CLINICAL DIAGNOSTICS - Gruppo di Lavoro AIOM su <b>"Raccomandazioni 2019 per l'implementazione del test BRCA nelle pazienti con carcinoma mammario e nei familiari a rischio elevato di neoplasia"</b> | Advisory board Meeting  | AIOM- Milan                  | Expert panel member |
| 24.05.2019 | AIOM - Precision Oncology  | <b>Using of new genomic technologies in ovarian cancer in BRCA mutated patients: which information?</b>                   | Rome - Hotel Quirinale       | Speaker             |
| 29.05.2019 | AIOM - Steering committee on hereditary cancer: updates on consensus documents and recommendations   | <b>Advisory board</b>   | AIOM - Milan                 | Expert panel member |
| 10.06.2019 | The sharing knowledge in the management of BRCA mutated patients   | <b>Molecular diagnostics and somatic test</b>   | Istituto Regina Elena - Roma | Speaker             |
| 10.06.2019 | FIVE SHADES OF RECURRENCE -  | <b>Molecular Biology in clinical practice: from eligibility of biological sample to the use of multipanel gene assays</b> | Policlinico Gemelli          | Speaker             |
| 14.06.2019 | 1° CONGRESSO DI MEDICINA DI LABORATORIO SIBIOC ITALIA CENTRALE   | <b>"Molecular profiling of circulating nucleic acids: applications in clinical setting"</b>                               | Chieti                       | Speaker             |
| 16.06.2019 | MSD and AZ joint Satellite Symposium at (European Society of Human Genetics - ESHG)  | BRCA testing to guide precision medicine: strengthening the foundations and building for the future                       | Gothenburg Sweden            | Speaker             |
| 24.06.2019 | L'OGGI E IL DOMANI NEL TUMORE DELL'OVAIO - MEET THE EXPERT: "  | <b>BRCA: germline and somatic test: present and future"</b>   | Grosseto                     | Speaker             |
| 16.09.2019 | BIOPSIA LIQUIDA E NGS  | <b>Advisory board on "Application of Liquid Biopsy"</b>   | Rome                         | Expert panel member |
| 27.09.2019 | Updates on Ultrasound and Genetic screenings in prenatal diagnosis   | <b>Cf DNA for the screening of aneuploidies: updates</b>  | Naples                       | Speaker             |





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| 20-21-Sept       | Breast cancer conference on "Cancer precision approaches: From detection to prediction strategies"-   | <b><i>Which population should be tested for BRCA mutations?</i></b>  | Riyadh                 | Speaker                    |
| 7-8 Nov          | International School of Medicine <b><i>New Molecular Markers and Cancer Biology</i></b>   | <b><i>Tracking the molecular makeup remodelling in ovarian cancer: face to face between tissue and ctDNA</i></b>   | Erice                  | Lecturer                   |
| 27-30 Oct        | 94° Congresso Nazionale SIGO, 59° Congresso Nazionale AOGOI, 26° Congresso Nazionale AGUI, 2° Congresso Nazionale AGITE:<br>GINECOLOGIA E DONNA | <b><i>Keynote Lecture: "Predictive Medicine in Ovarian Cancer"</i></b><br><b><i>Key note Lecture: Focus on the epidemiological, diagnostic and therapeutic significance of BRCA status</i></b> | Naples                 | Lecturer<br><br>Lecturer   |
| 18-20 Nov        | NGS to NGO: Next Generation Sequencing to Next Generation Oncologists_3rd Edition   | <b><i>The vision on somatic test in ovarian cancer: BRCA alone or HRD?</i></b>   | Milan                  | Speaker                    |
| 28-29-Nov        | 6th ANNUAL MEETING ON PITUITARY TUMORS. WORKSHOP ON PIT-NET /   | <b><i>The genetic basis of Pit-NETs among the endocrine syndromes</i></b>  | Rome                   | Speaker                    |
| 16-Dec           | European Homologous Recombination Deficiency (HRD) meeting  | <b><i>Expert Meeting on Academic HRD gene assay in Ovary cancers</i></b>   | Paris                  | Expert panel member        |
| <b>YEAR 2020</b> |   |  |                        |                            |
| 23-24 Jan        | XXXIV Annual Meeting of MITO Group  | <b><i>Organization of Ovarian Cancer Centres in Campania Region</i></b>  | Bologna                | Speaker                    |
| 29-31 Jan        | IFCC-MACB Advanced Molecular Biology Workshop   | <b><i>Lesson Cycles</i></b>  | Kuala Lumpur, Malaysia | Lecturer<br>Tutor          |
| 6-7 Feb          | EMEAC Expert Input Forum on PARP Inhibitors Global Expert Input & Medical Education<br>Global Medical Affairs,                                  | <b><i>Steering Committee</i></b>   | Munich                 | Member of the Expert panel |





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|                      | MSD  |   |                        |                               |
| 1 st – 6 th<br>March | IFCC EDUCATION & MANAGEMENT<br>DIVISION<br>Committee on Clinical<br>Molecular<br>Biology Curriculum (C-<br>CMBC) | <b><i>Beginners' Course<br/>in<br/>Molecular<br/>Diagnostics<br/>10 th C-CMBC<br/>Course</i></b>                            | <i>La Paz, Bolivia</i> | Lecturer and<br>Trainer       |
| 12 March             | Intersociety<br>Multidisciplinary Board<br>(AIOM-SIBioC-<br>SIGU,SIAPEC-SIF)                                     | <b><i>Steering<br/>Committee for<br/>Update of the<br/>Italian<br/>Recommendation<br/>on Liquid Biopsy</i></b>              | In<br>webconference    | Member of the<br>Expert panel |
| 16 March             | Intersociety<br>Multidisciplinary Board<br>(AIOM-SIBioC-<br>SIGU,SIAPEC-SIF)                                     | <b><i>Steering<br/>Committee for<br/>Recommendation<br/>on agnostic drugs</i></b>   | In<br>webconference    | Member of the<br>Expert panel |
| 17 March             | Intersociety<br>Multidisciplinary Board<br>(AIOM-SIBioC-<br>SIGU,SIAPEC-SIF)                                     | <b><i>Steering<br/>Committee for<br/>Recommendation<br/>on Gene Expression<br/>Profiles panels in<br/>Breast cancer</i></b> | In<br>webconference    | Member of the<br>Expert panel |
|                      |  |   |                        |                               |

### **ORGANIZING ROLES IN SCIENTIFIC MEETING (FROM 2009)**

- March **2009**                      SIBioC 2009  
 Scientific Advisory Organizer,  
***Evidence Based Medicine in Clinical and Cancer Molecular  
 Diagnostic: New Trends and Perspectives.***  
 Catholic University – Medical School of Rome, Italy.
- October **2009**                      Scientific Advisory Organizer,  
***Meeting on: Diagnostic applications clinical molecular biology:  
 Laboratory meets Clinicians.***  
 National Annual Congress of SIBioC, Naples, 2009
- October **2010**                      Scientific Advisory Organizer  
 Meeting on: ***Diagnostica Oncologica: Governare i Biomarcatori  
 Per Governare i Nuovi Approcci Terapeutici***  
 National Annual Congress of SIBioC, Rome, 2010
- Third Regional Congress SIBioC - Basilicata, Potenza (Italy)**



- Scientific Advisory Organizer  
 Meeting on: ***Anemie ereditarie: il Laboratorio incontra la Clinica*** National Annual Congress of SIBioC, Rome, 2010
- March **2012**      **President** of National Congress on: "*Automation in clinical molecular biology, strategies for the improvement of quality in molecular testing: a comparison of experiences*", Rome
- April **2012**      **Chairman of the**  
*Cancer Genomic Session at the Golden Helix International Conference, Turin*
- November **2012**      **Scientific and Organizing Committee** of 44<sup>th</sup> National Congress SIBioC Society – Rome (Italy)
- April **2014**      **Scientific organizer and Chair:** *Genomic technologies and evidence based laboratory medicine: are we ready for a clinical governance in personalized medicine.* Rome, Italy
- October **2014**      **Scientific and Organizing Committee** of 46<sup>th</sup> National Congress SIBioC Society – Rome (Italy)
- April-June 2015      Member of **Steering intersociety board committee** on: "*National Recommendations for the implementation of BRCA testing in care and treatment pathways for patients with ovarian cancer*".
- October **2015**      **Scientific and Organizing Committee** of 47<sup>th</sup> National Congress SIBioC Society – Florence, (Italy)
- December **2015**      **Scientific Director of Masterclass focus:** *Application of Next generation sequencing technologies in cancer personalized medicine. University of Dammam and King Fasail Specialist and Research Hospital of Riyadh- (Saudi Arabia)*
- October **2016**      **Scientific and Organizing Committee Member** of 47<sup>th</sup> National Congress-SIBioC Society –Turin (Italy)
- October **2017**      **Scientific and Organizing Committee Member** of 48<sup>th</sup> National Congress-SIBioC Society –Florence (Italy)
- June **2018**      **Scientific and Organizing Committee:** National Congress on Autoimmunity "*Autoimmune disorders: integration of laboratory, clinics, and research.* Rome (Italy)



**October 2018** *Scientific and Organizing Committee Member of 48th National Congress-SIBioC Society –Naples (Italy)*  
*Chairman of session: Emerging technologies in laboratory medicine*

**October 2019** *Scientific Committee - 49th National Congress-SIBioC Society – Padua*

**Membership within International Committee**



**From:** Prof. Leslie Lai , Chair of IFCC EMD Management Division  
**Date:** 22.12.2016  
**Ref:** Call for nominations C-CMBC 2017-2019

**Education and Management Division (EMD)**

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Dear Prof Ettore Capoluongo,

I am pleased to inform you that the Executive Committee of the IFCC Education and Management Division, in agreement with the Chair of Committee on Clinical Molecular Biology Curriculum (C-CMBC), has appointed you for a first term as Full Member of the Committee on Clinical Molecular Biology Curriculum (C-CMBC). Your time in office will start on 1 January 2017 for a 3 year period, ending on December 31<sup>st</sup> 2019.

On behalf of my colleagues of the EMD Division, I would like to congratulate you and take the opportunity to wish you a fruitful experience on this Committee.

In case of any queries regarding the Committee's activities, you may contact Prof Evi Lianidou at the following e-mail address: [evilianidou@gmail.com](mailto:evilianidou@gmail.com)

Once again, I wish you a fruitful experience on this Committee.

Sincerely yours,

Prof Leslie Lai  
 Chair of the IFCC Education Management Division (EMD)

c.c. Prof Evi Lianidou, C-CMBC Chair

**INTERNATIONAL COLLABORATIONS****1. Topic of collaborations: research and validation of tumor and circulating biomarkers in cancer by means of multiple molecular approaches**

1. **Prof. PAOLO FORTINA**, Department of Cancer Genomics, Kimmel Cancer Hospital, Thomas Jefferson University of Philadelphia.
- **Prof. Daniele De Luca**, Pediatrie et Reanimation Neonatale - Pediatrics and Neonatal Critical Care, APHP - South Paris University Hospitals, "A.Beclere" Medical Center
- **Prof. Michael Neumaier**: University Medicine Mannheim Medical Faculty Mannheim of Heidelberg University - Institute for Clinical Chemistry, Theodor-Kutzer-Ufer 1-3D-68167 MANNHEIM, Germany

**GRANTS FOR NATIONAL and INTERNATIONAL SCIENTIFIC PROJECTS**

- 2007: Coordinator of Operative Unit of Project entitled:** *“Cell signaling in human melanoma: identification of genetic and epigenetic mechanisms potentially relevant for clinical management”*. IFO- Health Italian Ministry (n. onc\_ord 32/07). Amount financed: Euros **60.000**
- 2014: Coordinator of Project entitled:** *“Analysis of BRCA and homologous recombination gene repair in ovarian cancer tissues: setup of a pipeline for next generation sequencing of FFPE DNA cancer tissues”*. Amount financed = **Euros 70.000**
- 2014: Donation by Astrazeneca companion 30.000 euros** for supporting the research on somatic mutation discovering in ovarian cancer.
- 2015: Coordinator of Project entitled** *“ENGAGE Study”- Evaluating a Novel Oncogenetic BRCA Testing Counselling Model Among Patients with Ovarian”*. Amount financed = **Euros 250.000**
- 2018: Coordinator of Project on multicenter validation on molecular biomarkers in Ovarian Cancer tissues; by Astrazeneca:** Amount financed = **£ 70.000**



## BIBLIOGRAPHY

### Summary of main bibliometric parameters

- Number of peer reviewed papers: **232**
- Number Chapters/monographs within books or encyclopedias: **4**
- **H-Index (source Scopus) = 34**
- **Google Scholar: H Index= 39**
- **Included within the list of Top Italian Scientists**
- **Total Impact factor (IF): > 800**
- **N. of Citations last 10 yrs: > 5.500**
- **Scores based on Publish or Perish (Scopus-related): H-index = 33; G-index 52**

### List of Research Publications, peer reviewed

| Progr. | Authors   | Title   | Journal   | Year        |
|--------|---|---|---|-------------|
| 240    | Marchetti C, Minucci A, D'Indinosante M, Ergasti R, Arcieri M, <b>Capoluongo ED</b> , Pietragalla A, Caricato C, Scambia G, Fagotti A.                        | <i>Feasibility of Tumor Testing for BRCA Status in High-Grade Serous Ovarian Cancer Using Fresh-Frozen Tissue Based Approach</i>  | <b>Gynecol Oncol 15;S0090-8258(20)32294-0</b>           | <b>2020</b> |
| 239    | Mazzuccato G, De Bonis M, Carboni V, Marchetti C, Urbani A, Scambia G, <b>Capoluongo E</b> , Fagotti A, Minucci A.  | <i>High Resolution Melting Profiles (HRMPs) obtained by Magnetic Induction Cyclers (MIC) have been used to monitor the BRCA2 status highlighted by Next Generation Tumor Sequencing (NGTS): a combined approach in a diagnostic environment</i> | <b>Molecular Biology Reports, 47:4897-4903.</b>         | <b>2020</b> |
| 238    | Santonocito C, Rizza R, Paris I, Marchis L, Paolillo C, Tiberi G, Scambia G, <b>Capoluongo E.</b>   | <i>Spectrum of Germline BRCA1 and BRCA2 Variants Identified in 2351 Ovarian and Breast Cancer Patients Referring to a Reference Cancer Hospital of Rome</i>   | <b>Cancers (Basel). 2020 May 19;12(5):E1286</b>         | <b>2020</b> |
| 237    | M Salvatore, A Amato, G Florida, F Censi, G Ferrari, F Tosto, R Padoan, V Raia, N Cirilli, G Castaldo, <b>E Capoluongo</b> , U Caruso, C Corbetta, D Taruscio | <i>The Italian External Quality Assessment program for Cystic Fibrosis Sweat Chloride Test: does an active participation improve the quality?</i>   | <b>Int J Environ Res Public Health. 4;17(9):E3196</b>   | <b>2020</b> |
| 236    | <b>E Capoluongo</b> , E De Matteis, I Cucinotto, G Ronzino, C. Santonocito, A Tornesello, MR De Giorgio, E Lucci Cordisco, A Minucci and M Genuardi           | <i>A new founder BRCA1 haplotype identified in the Puglia region is associated with a specific age-related cancer onset in three unrelated families</i>   | <b>Clin Chem Lab Med , in press</b>                     | <b>2020</b> |
| 235    | Gallo A, Cancelli C, Ceron E, Covino M, <b>Capoluongo E</b> , Pocino K, Ianiro G, Cammarota G, Gasbarrini A, Montalto M.                                      | <i>Faecal Calprotectin May Predict Need Of Multiple Microbiota Transplantation Infusions In Clostridium Difficile Infection.</i>  | <b>J Gastroenterol Hepatol, doi: 10.1111/jgh.15072.</b> | <b>2020</b> |





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| 234 | <b>Capoluongo E</b> , Amato F, Castaldo G  | <i>"The friendly use of Chloroquine in the COVID19 disease: a warning for the G6PD-deficient males and for unaware carriers of pathogenic alterations of G6PD-gene"</i>                    | <b>Clin Chem Lab Med , in press</b>                   | <b>2020</b> |
| 233 | Gallotta V, Bruno M, Conte C, Giudice MT, Davià F, Moro F, Zannoni GF, Fagotti A, De Bonis M, <b>Capoluongo E</b> , Scambia G, Ferrandina G.   | <i>Salvage lymphadenectomy in recurrent ovarian cancer patients: Analysis of clinical outcome and BRCA1/2 gene mutational status.</i>  | <b>Eur J Surg Oncol. S0748-7983(20)30071-8.</b>       | <b>2020</b> |
| 232 | Minucci A, Mazzuccato G, D'Indinosante M, Di Nardo L, Concolino P, De Bonis M, Urbani A, Scambia G, Fagotti A, <b>Capoluongo E</b>   | <i>Spliceogenic analysis of BRCA1 c.439T&gt;C (rs794727800) variant by High Resolution Melting Analysis.</i>   | <b>Mol Biol Rep 47:1513-1520</b>                      | <b>2020</b> |
| 231 | GL Scaglione, L Fania, E De Paolis, M De Bonis, C Mazzanti, G Di Zenzo, S Lechiancole, S Messinese, <b>E Capoluongo</b>  | <i>Evaluation of Cutaneous, Oral and Intestinal Microbiota in Patients Affected by Pemphigus and Bullous Pemphigoid: a pilot study</i>   | <b>Exp Mol Pathology, 112:104331</b>                  | <b>2019</b> |
| 230 | Muscarella LA, Fabrizio FP, De Bonis M, Mancini MT, Balsamo T, Graziano P, Centra F, Sparaneo A, Trombetta D, Bonfitto A, Scagliusi V, Larizza P, <b>Capoluongo ED</b> , Fazio VM.   | <i>Automated Workflow for Somatic and Germline Next Generation Sequencing Analysis in Routine Clinical Cancer Diagnostics.</i>   | <b>Cancers (Basel) 30;11(11)</b>                      | <b>2019</b> |
| 229 | <b>Capoluongo E</b> , Verde N, Barberis M, Bella MA, Buttitta F, Carrera P, Colombo N, Cortesi L, Gion M, Guarneri V, Lorusso D, Marchetti A, Marchetti P, Normanno N, Pasini B, Pensabene M, Pignata S, Radice P, Ricevuto E, Sapino A, Tagliaferri P, Tassone P, Trevisiol C, Truini M, Varesco L, Russo A, Gori S | <i>BRCA1/2 Molecular Assay for Ovarian Cancer Patients: A Survey through Italian Departments of Oncology and Molecular and Genomic Diagnostic Laboratories</i>                             | <b>Diagnostics (Basel). 9;9(4)</b>                    | <b>2019</b> |
| 228 | Concolino P, <b>Capoluongo E</b>   | <i>Detection of BRCA1/2 large genomic rearrangements in breast and ovarian cancer patients: an overview of the current methods.</i>  | <b>Expert Rev Mol Diagn. 19:795-802</b>               | <b>2019</b> |
| 227 | Chiloiro S, <b>Capoluongo ED*</b> , A, De Marinis L, Bianchi A.  | <i>The changing clinical spectrum of Hypophysitis</i><br><i>*Shared first position</i>   | <b>Trends in Endocrinol and Metabolism 30:590-602</b> | <b>2019</b> |
| 226 | P Concolino, G Gelli, R Rizza, A Costella, G. Scambia, <b>E Capoluongo</b>   | <i>BRCA1 and BRCA2 testing through Next Generation Sequencing in a small cohort of breast/ovarian Italian cancer patients: novel pathogenic and unknown clinical significance variants</i> | <b>Int J Mol Science, 12;20(14)</b>                   | <b>2019</b> |
| 225 | Minucci A, Onori ME, Mazzuccato G, Urbani A, <b>Capoluongo E</b> .   | <i>Molecular basis of favism triggered by ingestion of frozen pumpkin cross-contaminated with fava beans</i>   | <b>Clin Biochem 69:45-47</b>                          | <b>2019</b> |
| 224 | Gori S, Barberis M, Bella MA, Buttitta F, <b>Capoluongo E</b> , Carrera P, Colombo N, Cortesi L, Genuardi M, Gion M, Guarneri V, Incorvaia L, La Verde N, Lorusso D, Marchetti A, Marchetti P, Normanno N, Pasini B, Pensabene M, Pignata S,   | <i>Recommendations for the implementation of BRCA testing in ovarian cancer patients and their relatives.</i>  | <b>Crit Rev Oncol Hematol. 140:67-72</b>              | <b>2019</b> |



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|-----|--|--|---|-------------|
|     | Radice P, Ricevuto E, Sapino A, Tagliaferri P, Tassone P, Trevisiol C, Truini M, Varesco L, Russo A; AIOM-SIGU-SIBIOC-SIAPEC-IAP Working Group   |  |   |             |
| 223 | Chiloiro S, <b>Capoluongo ED*</b> , Schinzari G, Concolino P, Rossi E, Martini M, Cocomazzi A, Grande G, Milardi D, Maiorano BA, Giampietro A, Rindi G, Pontecorvi A, De Marinis L, Bianchi A. | <i>First Case of Mature Teratoma and Yolk Sac Testis Tumor Associated to Inherited MEN-1 Syndrome.<br/>*Shared first position</i>  | <b>Front Endocrinol (Lausanne). 12;10:365</b>           | <b>2019</b> |
| 222 | Gallotta V, Conte C, D'Indinosante M, <b>Capoluongo E</b> , Minucci A, De Rose AM, Ardito F, Giuliante F, Di Giorgio A, Zannoni GF, Fagotti A, Margreiter C, Scambia G, Ferrandina G.          | <i>Prognostic factors value of germline and somatic brca in patients undergoing surgery for recurrent ovarian cancer with liver metastases.</i>                                      | <b>Eur J Surg Oncol. 13. pii: S0748-7983(19)30517-7</b> | <b>2019</b> |
| 221 | Cappellani D, Brancatella A, Kaufmann M, Minucci A, Vignali E, Canale D, De Paolis E, <b>Capoluongo E</b> , Cetani F, Jones G, Marcocci C.   | <i>Hereditary Hypercalcemia Caused by a Homozygous Pathogenic Variant in the CYP24A1 Gene: A Case Report and Review of the Literature.</i>   | <b>Case Rep Endocrinol. Apr 8;2019:4982621</b>          | <b>2019</b> |
| 220 | Ruggiero A, Pocino K, Catalano M, Maurizi P, D'Ambra M, Rizzo D, Triarico S, Attinà G, Mastrangelo S, <b>Capoluongo ED.</b>  | <i>Serum biomarkers for sepsis in children with febrile neutropenia and cancer.</i>  | <b>J Biol Regul Homeost Agents.;33:999-1003</b>         | <b>2019</b> |
| 219 | E De Paolis, GL Scaglione, M De Bonis, A Minucci, <b>E Capoluongo</b>  | <i>CYP24A1 and SLC34A1 genetic defects associated to Idiopathic Infantile Hypercalcemia: from genotype to phenotype</i>  | <b>Clin Chem Lab Med doi: 10.1515/cclm-2018-1208.</b>   | <b>2019</b> |
| 218 | F Giuliante, E. Panettieri, F Ardito, A De Rose, K Pocino, C Autilio, C Paolillo, ED Capoluongo  | <i>CTCs related transcripts in blood as prognostic biomarkers of early recurrence after liver resection for colorectal metastases</i>  | <b>Int J Biol Markers 18:1724600819:8 49438</b>         | <b>2019</b> |
| 217 | De Bonis M, De Paolis E, Scaglione GL, Fania L, Lavieri MM, Mazzanti C, Di Zenzo G, Minucci A, <b>Capoluongo E.</b>  | <i>High-resolution melting analysis to screen the ST18 gene functional risk variant for pemphigus vulgaris: The occasion to open a debate on its usefulness in clinical setting.</i> | <b>Exp Mol Pathol 26;108:57-63.</b>                     | <b>2019</b> |
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| <b>BOOKS AND BOOK CHAPTERS</b> |
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**2008: E. Capoluongo**, Franco Ameglio, G. Vento. "Respiratory care and Topics about serum levels of seven cytokines in premature newborns undergoing different ventilatory procedures **Yearbook of Respiratory care clinics and applied technologies (I.S.B.N.: 978-84-612-5901-4)**. Yearbook Respiratory Care Clinics and Applied Technologies is an official publication of WORLD FEDERATION OF RESPIRATORY CARE AND APPLIED TECHNOLOGIES. Editor Antonio Esquinas, Molina de Segura; Murcia, Spain.

**2012:** A. Minucci, B. Giardina and **E Capoluongo**. **G6PD deficiency**, in Brenner's Online Encyclopedia of Genetics, Elsevier Ltd, 2012.

**2016: Guest Editor** of "*BRCA to the future: towards best testing practice in the era of personalised healthcare*". E J Hum Genet. 2016 Sep; 24 Suppl pp. 1-36

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**2019:** Daniele Fanale, Laura Ottini, Enrico Ricevuto, Valentina Calò, Ettore Capoluongo, Antonio Russo, Viviana Bazan. **Hereditary cancers and genetics. Textbook.** Nature Publishing Group

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| <b>National and International Recommendations</b> |
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1. **Raccomandazioni per l'implementazione dell'analisi mutazionale BRCA nei pazienti con carcinoma del pancreas metastatico per gli istotipi: adenocarcinoma duttale e carcinoma acinare.** Stefania Gori, Massimo Barberis, **Ettore Capoluongo**, Antonio Russo, Laura Cortesi, Aldo Scarpa.
2. **Raccomandazioni 2019 per l'implementazione dell'analisi mutazionale e la gestione del paziente con melanoma maligno.** A cura del Gruppo di Lavoro AIOM, Fondazione AIOM, IMI, NIBIT, SIAPEC-IAP, SIBioC, SICO, SIDeMaST. Stefania Gori, Paolo Ascierio, Massimo Barberis, Gerardo Botti, Piergiacomo Calzavara-Pinton, **Ettore Capoluongo**, Vanna Chiarion-Sileni, Gabriella Farina, Antonio Marchetti, Daniela Massi, Alessandro Minisini, Fabrizio Nicolis, Giuseppe Palmieri, Elisabetta Pennacchioli, Paola Queirolo, Antonio Russo, Vincenzo Russo, Francesco Spagnolo.
3. **Raccomandazioni 2019 per l'implementazione dell'analisi mutazionale e la gestione del paziente con Tumore Stromale Gastrointestinale (GIST).** A cura del Gruppo di Lavoro AIOM - SICO - SIF- ISG- SIAPEC-IAP – SIBIOC. Stefania Gori, **Ettore Capoluongo**, Paolo Casali, Alessandro Comandone, Romano Danesi, Angelo, Paolo Dei Tos, Marzia Del Re, Alessandro Gronchi, Lorena Incorvaia, Fabrizio Nicolis, Maria Abbondanza Pantaleo, Antonio Russo.
4. **Raccomandazioni 2019 per l'implementazione del test BRCA nelle pazienti con carcinoma mammario e nei familiari a rischio elevato di neoplasia.** A cura del Gruppo di Lavoro AIOM-ANISC- SICO- SIGU - SIBIOC - SIAPEC-IAP- Fondazione AIOM. Stefania Gori, Fiamma Buttitta, **Ettore Capoluongo**, Saverio Cinieri, Laura Cortesi, Lucia Del Mastro, Massimo Dessena, Oreste Gentilini, Maurizio Genuardi, Valentina Guarneri, Lorena Incorvaia, Nicla La Verde, Paolo Marchetti, Caterina Marchiò, Fabrizio Nicolis, Enrico Ricevuto, Antonio Russo, Anna Sapino, Piersandro Tagliaferri, Mauro Truini, Daniela Turchetti, Liliana Varesco.
5. **Raccomandazioni per l'implementazione del test BRCA nelle pazienti con carcinoma ovarico e nei familiari a rischio elevato di neoplasia v.2-gennaio (2019) - A cura del Gruppo di Lavoro AIOM - SIGU - SIBIOC - SIAPEC-IAP:** Massimo Barberis, Maria Angela Bella, Fiamma Buttitta, **Ettore Capoluongo**, Paola, Carrera, Nicoletta Colombo, Laura Cortesi, Maurizio Genuardi, Massimo Gion, Stefania Gori, Valentina Guarneri, Nicla La Verde, Domenica Lorusso, Antonio, Marchetti, Paolo Marchetti, Nicola Normanno, Barbara Pasini, Matilde Pensabene, Sandro Pignata, Paolo Radice, Enrico Ricevuto, Antonio Russo, Anna Sapino, Piersandro Tagliaferri, Pierfrancesco Tassone, Chiara Trevisiol, Mauro Truini, Liliana Varesco
6. **RACCOMANDAZIONI PER L'ESECUZIONE DI TEST MOLECOLARI SU BIOPSIA LIQUIDA IN ONCOLOGIA (2018).** Gruppo di Lavoro AIOM – SIAPEC-IAP – SIF – SIBioC - Massimo Barberis, **Ettore Capoluongo**, Lucio Crinò, Romano Danesi, Marzia Del Re, Stefania Gori, Antonio Marchetti, Caterina Marchiò, Nicola Normanno, Carmine Pinto, Antonio Russo, Anna Sapino, Andrea Sartore Bianchi, Mauro Truini, Tiziana Venesio



**ABSTRACTS: (FROM 1999)**




More than **500** abstracts submitted to national and international meetings (60 in the last three years).

More than further 50 oral presentations as invited speaker in the context of national and international meetings (twenty in the last two years).

**AWARDS**

2019: Recognition for the outstanding contribution to the development of Clinical Molecular Biology as discipline of Laboratory Medicine. Award given by the Italian Society of Clinical Biochemistry and Clinical Molecular Biology – Laboratory Medicine (SIBioC)






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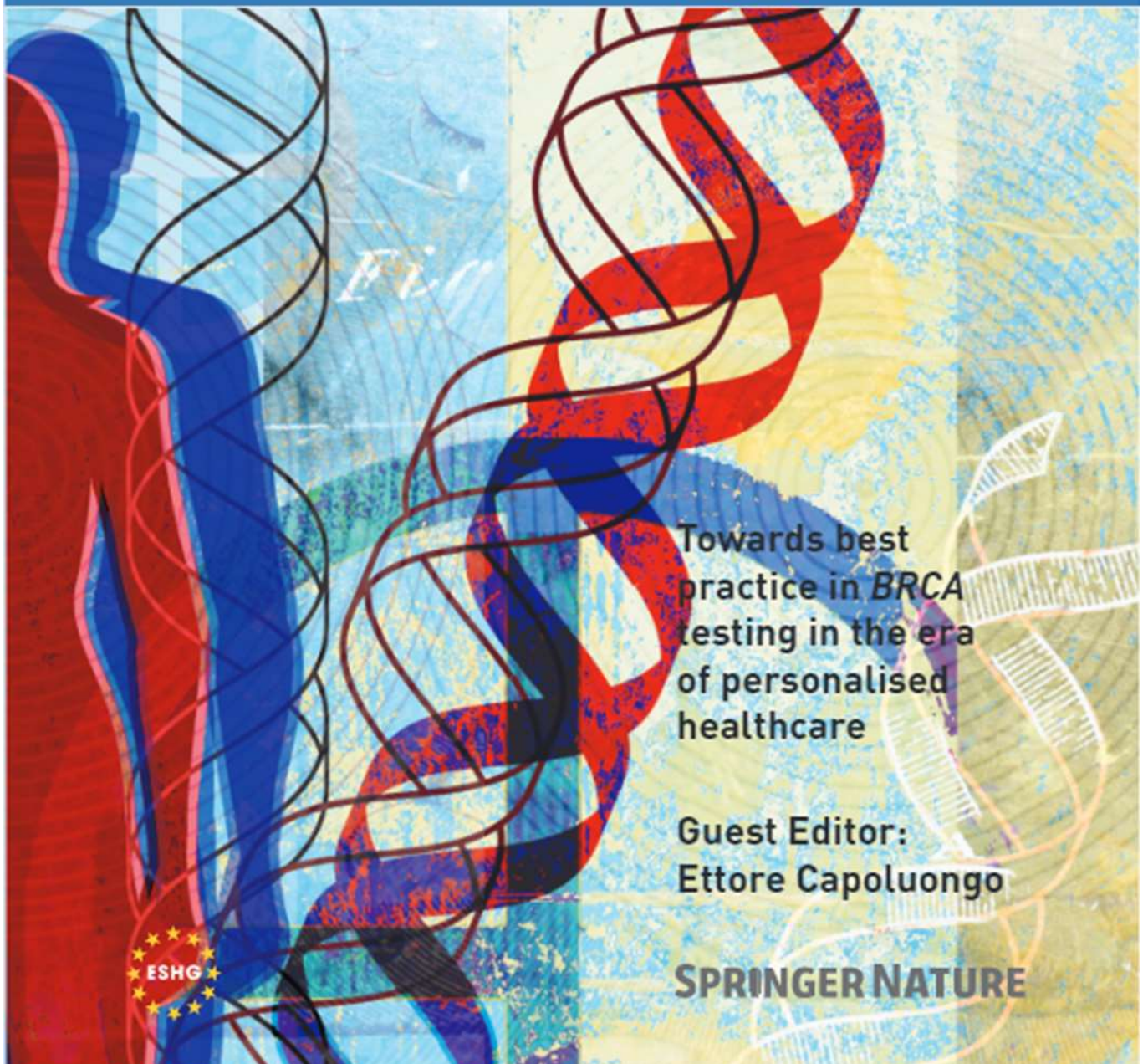


# European Journal of Human Genetics

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Towards best  
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Accademico:

| Academic          | H-index | Citations | Nation | Area                       | MacroArea              | Italian_Institution                     | note   |
|-------------------|---------|-----------|--------|----------------------------|------------------------|---|--|
| Ettore Capoluongo | 38      | 5430      | Italy  | biochemistry -<br>medicine | Biomedical<br>Sciences | Università Cattolica<br>del Sacro Cuore | Verified Google<br>Scholar MyCitations<br>Last Update:<br>20/06/2019 |





| <b>TEACHING</b>  |  |  |
|--|--|--|
| <b>Teaching Program</b>  | <b>Faculty/Degree Course</b>           | <b>School of Specialization in</b>   |
| <b>Years: 2003-2019</b>  |  |  |
| <ul style="list-style-type: none"> <li>• Biochemistry and Molecular Biology</li> <li>• Clinical Molecular Biology</li> </ul> | Medicine and Surgery                   | Cardiology, Clinical Biochemistry, Clinical Nutrition, Clinical Pathology, Dermatology, Dietetics, Gynecology, Haematology, Hygiene and Preventive Medicine, Internal Medicine, Ophthalmology, Oncology Pediatrics, Surgery, Radiology |
| <b>Years: 2008-2011</b>  |  |  |
| <ul style="list-style-type: none"> <li>• Clinical Molecular Biology</li> </ul>   | Degree course in laboratory technician | Catholic University - Azienda Ospedaliera San Carlo Potenza  |
| <ul style="list-style-type: none"> <li>• Clinical Molecular Biology</li> <li>• Clinical Biochemistry</li> </ul>              | Biotechnology<br><br>Cosmetology       |  |
| <b>Years: 2016-2019</b>  |  |  |
| Molecular Pathology course: molecular diagnostics  | Medicine and Surgery (in English)      |  |
| <b>Years: 2019-to date</b>   |  |  |
| Clinical Biochemistry  | Dentistry                              | Naples, Federico II  |
| Clinical Biochemistry and Clinical Molecular Biology   | Specialization in Clinical Pathology   | Faculty of Medicine, Campus BioMedico  |
| Clinical Biochemistry  | Medicine and Surgery (in English)      | Naples, Federico II  |

Signed,

Ettore D. Capoluongo



