

**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

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Medical School - Federico II University, Naples, ItalyLaboratory of Molecular Diagnostics and Genomics
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Year	Degree/post graduation titles	Academy/Site
1994	MSc	Faculty of Naples Federico II
1995	Master of 2 nd 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 nd 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



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).

LECTURES BY INVITATION (SELECTED PAST 9 YEARS)

LECTURES BY INVITATION

- | | |
|-------------|--|
| 2006 | <p><i>“Molecular Biology in Clinical Laboratory</i>
 Catholic University – Medical School of Campobasso (Italy)</p> |
| 2008 | <p>“Role of free blood circulating nucleic acids and cells”.
 University of Camerino, Faculty of Biological Sciences (Italy)</p> |
| 2008 | <p>“Standardization and Quality assurance in molecular biology testing”.
 Catholic University – Medical School of Campobasso (Italy)</p> |
| 2009 | <p>Standardization and Quality assurance in diagnostic molecular tests. National Annual Congress of SIBioC, Naples, 2009</p> <p>“Red Blood Cell enzyme defects” – Meeting on Anemia - Catholic University – Medical School of Campobasso (Italy)</p> <p>“Diagnostic Applications of Clinical Molecular Biology: the Laboratory meets clinicians” – 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” – 18th 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

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



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



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



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



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

Year 2017

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



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



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



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

Year 2019				
Month	Meeting	Title of Talk	Location	Role
31.01-01-02/2019	Gruppo MITO – Evento su Medicina personalizzata nel trattamento dei tumori ginecologici:	<i>Il ruolo del test somatico nelle pazienti con tumore ovarico</i>	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.	<i>Evoluzione delle tecniche di Biologia Molecolare in oncologia</i>	Bari	Speaker
06.03.2019	PROGETTO ED. DI CONSENSO TEST BRCA: Board Nazionale di esperti sul tema – “	<i>Il Percorso per l'identificazione del corretto approccio al test BRCA”</i>	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	<i>Dalla farmacogenetica alla medicina personalizzata e di precisione: sfide e opportunità”</i>	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	<i>How To Follow Changes In PARP-1 SENSITIVITY In Ovarian Cancer Patients Through NGS</i>		



20.05.2019	CLINICAL DIAGNOSTICS - Gruppo di Lavoro AIOM su "Raccomandazioni 2019 per l'implementazione del test BRCA nelle pazienti con carcinoma mammario e nei familiari a rischio elevato di neoplasia"	Advisory board Meeting	AIOM- Milan	Expert panel member
24.05.2019	AIOM - Precision Oncology	Using of new genomic technologies in ovarian cancer in BRCA mutated patients: which information?	Rome - Hotel Quirinale	Speaker
29.05.2019	AIOM - Steering committee on hereditary cancer: updates on consensus documents and recommendations	Advisory board	AIOM - Milan	Expert panel member
10.06.2019	The sharing knowledge in the management of BRCA mutated patients	Molecular diagnostics and somatic test	Istituto Regina Elena - Roma	Speaker
10.06.2019	FIVE SHADES OF RECURRENCE -	Molecular Biology in clinical practice: from eligibility of biological sample to the use of multipanel gene assays	Policlinico Gemelli	Speaker
14.06.2019	1° CONGRESSO DI MEDICINA DI LABORATORIO SIBIOC ITALIA CENTRALE	"Molecular profiling of circulating nucleic acids: applications in clinical setting"	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: "	BRCA: germline and somatic test: present and future"	Grosseto	Speaker
16.09.2019	BIOPSIA LIQUIDA E NGS	Advisory board on "Application of Liquid Biopsy"	Rome	Expert panel member
27.09.2019	Updates on Ultrasound and Genetic screenings in prenatal diagnosis	Cf DNA for the screening of aneuploidies: updates	Naples	Speaker



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



	MSD			
1 st – 6 th March	IFCC EDUCATION & MANAGEMENT DIVISION Committee on Clinical Molecular Biology Curriculum (C- CMBC)	<i>Beginners' Course in Molecular Diagnostics 10 th C-CMBC Course</i>	<i>La Paz, Bolivia</i>	Lecturer and Trainer
12 March	Intersociety Multidisciplinary Board (AIOM-SIBioC- SIGU,SIAPEC-SIF)	<i>Steering Committee for Update of the Italian Recommendation on Liquid Biopsy</i>	In webconference	Member of the Expert panel
16 March	Intersociety Multidisciplinary Board (AIOM-SIBioC- SIGU,SIAPEC-SIF)	<i>Steering Committee for Recommendation on agnostic drugs</i>	In webconference	Member of the Expert panel
17 March	Intersociety Multidisciplinary Board (AIOM-SIBioC- SIGU,SIAPEC-SIF)	<i>Steering Committee for Recommendation on Gene Expression Profiles panels in Breast cancer</i>	In webconference	Member of the 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 44th 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 46th 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 47th 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 47th National Congress-SIBioC Society –Turin (Italy)
- October **2017** **Scientific and Organizing Committee Member** of 48th 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

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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 31st 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

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, Capoluongo ED , 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>	Gynecol Oncol 15;S0090-8258(20)32294-0	2020
239	Mazzuccato G, De Bonis M, Carboni V, Marchetti C, Urbani A, Scambia G, Capoluongo E , 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>	Molecular Biology Reports, 47:4897-4903.	2020
238	Santonocito C, Rizza R, Paris I, Marchis L, Paolillo C, Tiberi G, Scambia G, Capoluongo E.	<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>	Cancers (Basel). 2020 May 19;12(5):E1286	2020
237	M Salvatore, A Amato, G Florida, F Censi, G Ferrari, F Tosto, R Padoan, V Raia, N Cirilli, G Castaldo, E Capoluongo , 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>	Int J Environ Res Public Health. 4;17(9):E3196	2020
236	E Capoluongo , 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>	Clin Chem Lab Med , in press	2020
235	Gallo A, Cancelli C, Ceron E, Covino M, Capoluongo E , 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>	J Gastroenterol Hepatol, doi: 10.1111/jgh.15072.	2020



234	Capoluongo E , 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>	Clin Chem Lab Med , in press	2020
233	Gallotta V, Bruno M, Conte C, Giudice MT, Davià F, Moro F, Zannoni GF, Fagotti A, De Bonis M, Capoluongo E , Scambia G, Ferrandina G.	<i>Salvage lymphadenectomy in recurrent ovarian cancer patients: Analysis of clinical outcome and BRCA1/2 gene mutational status.</i>	Eur J Surg Oncol. S0748-7983(20)30071-8.	2020
232	Minucci A, Mazzuccato G, D'Indinosante M, Di Nardo L, Concolino P, De Bonis M, Urbani A, Scambia G, Fagotti A, Capoluongo E	<i>Spliceogenic analysis of BRCA1 c.439T>C (rs794727800) variant by High Resolution Melting Analysis.</i>	Mol Biol Rep 47:1513-1520	2020
231	GL Scaglione, L Fania, E De Paolis, M De Bonis, C Mazzanti, G Di Zenzo, S Lechiancole, S Messinese, E Capoluongo	<i>Evaluation of Cutaneous, Oral and Intestinal Microbiota in Patients Affected by Pemphigus and Bullous Pemphigoid: a pilot study</i>	Exp Mol Pathology, 112:104331	2019
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, Capoluongo ED , Fazio VM.	<i>Automated Workflow for Somatic and Germline Next Generation Sequencing Analysis in Routine Clinical Cancer Diagnostics.</i>	Cancers (Basel) 30;11(11)	2019
229	Capoluongo E , 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>	Diagnostics (Basel). 9;9(4)	2019
228	Concolino P, Capoluongo E	<i>Detection of BRCA1/2 large genomic rearrangements in breast and ovarian cancer patients: an overview of the current methods.</i>	Expert Rev Mol Diagn. 19:795-802	2019
227	Chiloiro S, Capoluongo ED* , A, De Marinis L, Bianchi A.	<i>The changing clinical spectrum of Hypophysitis</i> <i>*Shared first position</i>	Trends in Endocrinol and Metabolism 30:590-602	2019
226	P Concolino, G Gelli, R Rizza, A Costella, G. Scambia, E Capoluongo	<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>	Int J Mol Science, 12;20(14)	2019
225	Minucci A, Onori ME, Mazzuccato G, Urbani A, Capoluongo E .	<i>Molecular basis of favism triggered by ingestion of frozen pumpkin cross-contaminated with fava beans</i>	Clin Biochem 69:45-47	2019
224	Gori S, Barberis M, Bella MA, Buttitta F, Capoluongo E , 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>	Crit Rev Oncol Hematol. 140:67-72	2019



	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, Capoluongo ED* , 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.</i> <i>*Shared first position</i>	Front Endocrinol (Lausanne). 12;10:365	2019
222	Gallotta V, Conte C, D'Indinosante M, Capoluongo E , 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>	Eur J Surg Oncol. 13. pii: S0748-7983(19)30517-7	2019
221	Cappellani D, Brancatella A, Kaufmann M, Minucci A, Vignali E, Canale D, De Paolis E, Capoluongo E , 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>	Case Rep Endocrinol. Apr 8;2019:4982621	2019
220	Ruggiero A, Pocino K, Catalano M, Maurizi P, D'Ambra M, Rizzo D, Triarico S, Attinà G, Mastrangelo S, Capoluongo ED.	<i>Serum biomarkers for sepsis in children with febrile neutropenia and cancer.</i>	J Biol Regul Homeost Agents.;33:999-1003	2019
219	E De Paolis, GL Scaglione, M De Bonis, A Minucci, E Capoluongo	<i>CYP24A1 and SLC34A1 genetic defects associated to Idiopathic Infantile Hypercalcemia: from genotype to phenotype</i>	Clin Chem Lab Med doi: 10.1515/cclm-2018-1208.	2019
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>	Int J Biol Markers 18:1724600819:8 49438	2019
217	De Bonis M, De Paolis E, Scaglione GL, Fania L, Lavieri MM, Mazzanti C, Di Zenzo G, Minucci A, Capoluongo E.	<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>	Exp Mol Pathol 26;108:57-63.	2019
216	Rizza R, Hackmann K, Paris I, Minucci A, De Leo R, Schrock E, Urbani A, Capoluongo E , Gelli G, Concolino P.	<i>Novel BRCA1 Large Genomic Rearrangements in Italian Breast/Ovarian Cancer Patients</i>	Mol Diagn Ther 23(1):121-126	2018
215	Paris I, Cianci S, Vizzielli G, Fagotti A, Ferrandina G, Gueli Alletti S, Costantini B, Cosentino F, Capoluongo E , Pasqualoni M, Scambia G	<i>Upfront HIPEC and bevacizumab-containing adjuvant chemotherapy in advanced epithelial ovarian cancer</i>	Int J Hyperthermia 9:1-5	2018
214	A Minucci , M Lalle, R De Leo, G Mazzuccato, G Scambia, A Urbani, A Fagotti, P Concolino and Capoluongo E	<i>Additional molecular and clinical evidence open the way to definitive IARC classification of the BRCA1 c.5332G>A (p.Asp1778Asn)variant</i>	Clin Biochem 63:54-58	2019



213	Annicchiarico BE, Santonocito C, Siciliano M, Scapatucci M, Guarino D, Di Stasi C, Riccioni ME, Di Stasio E, Capoluongo E , Gasbarrini A.	<i>ACE I allele is associated with more severe portal hypertension in patients with liver cirrhosis: A pilot study.</i>	Dig Liver Dis. S1590-8658(18)30885-5	2018
212	El Hachem M, Barresi S, Diociaiuti A, Boldrini R, Condorelli AG, Capoluongo E , Proto V, Scuvera G, Has C, Tartaglia M, Castiglia D.	<i>Phenotypic Features of Epidermolysis Bullosa Simplex due to KLHL24 Mutations in 3 Italian Cases.</i>	Acta Derm Venereol, 99(2):238-239	2018
211	Marchetti C, De Leo R, Musella A, D'Indinosante M, Capoluongo E , Minnucci A, Benedetti Panici P, Scambia G, Fagotti A.	<i>BRCA Mutation Status to Personalize Management of Recurrent Ovarian Cancer: A Multicenter Study.</i>	Ann Surg Oncol, doi: 10.1245/s10434-018-6726-9	2018
210	Chiloiro S*, Tartaglione T*, Capoluongo ED , Angelini F, Arena V, Giampietro A, Bianchi A, Zoli A, Pontecorvi A, Colosimo C, De Marinis L. (*shared first position)	<i>Hypophysitis outcome and factors predicting responsiveness to glucocorticoid therapy: a prospective and double-arm study.</i>	J Clin Endocrinol Metab. 103:3877-3889	2018
209	Palermo A, Capoluongo E , Del Toro R, Manfrini S, Pozzilli P, Maggi D, Defeudis G, Pantano F, Coppola R, Di Matteo FM, Raffaelli M, Concolino P, Falchetti A.	<i>A novel germline mutation at exon 10 of MEN1 gene: a clinical survey and positive genotype-phenotype analysis of a MEN1 Italian family, including monozygotic twins.</i>	Hormones (Athens), 17:427-435	2018
208	Paragliola RM, Lovicu RM, Papi G, Capoluongo E , Minucci A, Canu G, Pontecorvi A, Corsello SM.	<i>Medullary Thyroid Carcinoma With Exon 2 p.L56M RET Variant: Clinical Particular Features in Two Patients</i>	Front Endocrinol (Lausanne) 9:398-401	2018
207	Costella A, De Leo R, Guarino D, D'Indinosante M, Concolino P, Mazzuccato G, Urbani A, Scambia G, Capoluongo E , Fagotti A, Minucci A	<i>High-resolution melting analysis coupled with next-generation sequencing as a simple tool for the identification of a novel somatic BRCA2 variant: a case report</i>	Hum Genome Var, 8;5:10	2018
206	M De Bonis, A Minucci, GL Scaglione, E De Paolis, G Zannoni, G Scambia, E Capoluongo	<i>Capillary Electrophoresis as alternative method to detect tumor genetic mutations: the model built on the founder BRCA1 c.4964_4982del19 variant</i>	Familial Cancer, <i>in press</i>	2018
205	Defeudis G, Fioritti E, Palermo A, Tuccinardi D, Minucci A, Capoluongo E , Pozzilli P, Manfrini S	<i>A case of pheochromocytoma with negative MIBG scintigraphy, PET-CT and genetic tests (VHL included) and a rare case of post-operative erectile dysfunction</i>	Hormones, 17:279-84	2018
204	Minucci A, Concolino P, De Bonis M, Costella A, Paris I, Scambia G, Capoluongo E.	<i>Preliminary molecular evidence associating a novel BRCA1 synonymous variant with hereditary ovarian cancer syndrome.</i>	Hum Genome Var. 20;5:2	2018
203	E De Paolis, A Minucci, M De Bonis, GL Scaglione, J Gervasoni, A Primiano, PM Ferraro, D Cappellani, C Marocci, G Gambaro, E Capoluongo	<i>A rapid screening of a recurrent CYP24A1 pathogenic variant opens the way to molecular testing for Idiopathic Infantile Hypercalcemia</i>	Clin Chim Acta 482:8-13	2018
202	GL Scaglione, P Concolino, M De Bonis, E De Paolis, A Minucci, G Ferrandina, G Scambia, E Capoluongo	<i>Whole BRCA2 gene deletion: how to learn from CNV in silico analysis</i>	Int J Mol Sci, 23;19: 1-11	2018
201	Capoluongo E , Scambia G, Nabholz JM	<i>Main implications related to the switch to BRCA1/2 tumor testing in ovarian cancer patients: a proposal of a consensus</i>	Oncotarget, 13;9(28):19463-19468	2018



200	Concolino P, Rizza R, Mignone F, Costella A, Guarino D, Carboni I, Capoluongo E , Santonocito C, Urbani A, Minucci A.	<i>A comprehensive BRCA1/2 NGS pipeline for an immediate Copy Number Variation (CNV) detection in breast and ovarian cancer molecular diagnosis.</i>	Clin Chim Acta 480:173-179	2018
199	Chiloiro S, Capoluongo ED , Tartaglione T, Bianchi A, Giampietro A, Angelini F, Arena V, Pontecorvi A, De Marinis L.	<i>HLA coeliac haplotypes and Primary Autoimmune Hypophysitis in Caucasian patients.</i>	Clin Endocrinol (Oxf) , 88(5):692-699	2018
198	Righino B, Minucci A, Pirolli D, Capoluongo E , Conti G, De Luca D, De Rosa MC	<i>In silico investigation of the molecular effects caused by R123H variant in secretory phospholipase A2-IIA associated with ARDS</i>	J Mol Graph Model 81:68-76	2018
197	Salvatore M, Florida G, Amato A, Censi F, de Stefano MC, Ferrari G, Tosto F, Taruscio D; Italian EQA-SCT Working Group.	<i>Italian external quality assessment program for cystic fibrosis sweat chloride test: a 2015 and 2016 results comparison.</i>	Ann Ist Super Sanita 53:305-313	2017
196	Santonocito C, Scapatucci M, Guarino D, Bartolini A, Minucci A, Concolino P, Scambia G, Paris I, Capoluongo E	<i>Identification of twenty-nine novel germline unclassified variants of BRCA1 and BRCA2 genes in 1400 Italian individuals.</i>	Breast 36:74-78	2017
195	E. Capoluongo , Gillian E, López Guerrero JA, Penault-Llorca F, Ligtenberg M, Banerjee S, Singer C, Rouleau E, Friedman E, Markiefka B, Schirmacher P, Büttner R, Asperen C, Ray-Coquard I, Kamel-Reid S, Percival N, Bryce J, Röthlisberger B, Soong R, de Castro DG	<i>Expert guidance statement on BRCA1/2 tumour testing in ovarian cancer</i>	Seminars Oncology 44:187-197	2017
194	Autilio C, Paolillo C, Lavieri MM, Pocino K, De Paolis E, Di Stasio E, Marchetti P, Cappellini-Antonini GC, Capoluongo E	<i>PAX3d mRNA over 2.76 copies/μL in the bloodstream predict cutaneous malignant melanoma relapse</i>	Oncotarget doi.org/10.18632/oncotarget.20177	2017
193	Pastorino R, Iuliano L, Vecchioni A, Arzani D, Milic M, Annunziata F, Zerbinati C, Capoluongo E , Bonassi S, McKay JD, Boccia S	<i>Effect of alcohol dehydrogenase-1B and -7 polymorphisms on blood ethanol and acetaldehyde concentrations in healthy subjects with a history of moderate alcohol consumption</i>	Drug Test Anal doi: 10.1002/dta.2251	2017
192	Paolillo C, Mu Z, Rossi G, Schiewer MJ, Nguyen T, Austin L, Capoluongo E , Knudsen KE, Cristofanilli M, Fortina P	<i>Detection of Activating Estrogen Receptor Gene (ESR1) Mutations in Single Circulating Tumor Cells.</i>	Clin Cancer Res. 2017 doi: 10.1158/1078-0432.CCR-17-1173	2017
191	Concolino P, Rizza R, Hackmann K, Minucci A, Scaglione GL, De Bonis M, Costella A, Zuppi C, Schrock E, Capoluongo E	<i>Identification and Characterization of a New BRCA2 Rearrangement in an Italian Family with Hereditary Breast and Ovarian Cancer Syndrome.</i>	Mol Diagn Ther 21:539-545.	2017
190	Concolino P, Rizza R, Costella A, Carrozza C, Zuppi C, Capoluongo E	<i>CYP21A2 intronic variants causing 21-hydroxylase deficiency. Review</i>	Metabolism 71:46-51	2017
189	Concolino P, Rizza R, Hackmann K, Paris I, Minucci A, De Paolis E, Scambia G, Zuppi C, Schrock E,	<i>Characterization of a new BRCA1 rearrangement in an Italian woman with hereditary breast and ovarian cancer</i>	Breast Cancer Res Treat 164:497-503	2017



	Capoluongo E	<i>syndrome.</i>		
188	Tassi RA, Todeschini P, Siegel ER, Calza S, Cappella P, Ardighieri L, Cadei M, Bugatti M, Romani C, Bandiera E, Zanotti L, Tassone L, Guarino D, Santonocito C, Capoluongo ED , Beltrame L, Erba E, Marchini S, D'Incalci M, Donzelli C, Santin AD, Pecorelli S, Sartori E, Bignotti E, Odicino F, Ravaggi A.	<i>FOXM1 expression is significantly associated with chemotherapy resistance and adverse prognosis in non-serous epithelial ovarian cancer patients.</i>	J Exp Clin Cancer Res 8;36:63	2017
187	Minucci A, De Paolis E, Concolino P, De Bonis M, Rizza R, Canu G, Scaglione GL, Mignone F, Scambia G, Zuppi C, Capoluongo E.	<i>Competitive PCR-High Resolution Melting Analysis (C-PCR-HRMA) for large genomic rearrangements (LGRs) detection: A new approach to assess quantitative status of BRCA1 gene in a reference laboratory.</i>	Clin Chim Acta 470:83-92	2017
186	D'Amario D, Leone AM, Narducci ML, Smaldone C, Lecis D, Inzani F, Luciani M, Siracusano A, La Neve F, Manchi M, Pelargonio G, Perna F, Bruno P, Massetti M, Pitocco D, Cappetta D, Esposito G, Urbanek K, De Angelis A, Rossi F, Piacentini R, Angelini G, Li Puma DD, Grassi C, De Paolis E, Capoluongo E , Silvestri V, Merlino B, Marano R, Crea F.	<i>Human cardiac progenitor cells with regenerative potential can be isolated and characterized from 3D-electro-anatomic guided endomyocardial biopsies.</i>	Int J Cardiol 241:330-343	2017
185	Minucci A, De Bonis M, De Paolis E, Gentile L, Santonocito C, Concolino P, Mignone F, Capoluongo E.	<i>High Resolution Melting Analysis is Very Useful to Identify Breast Cancer Type 1 Susceptibility Protein (BRCA1) c.4964_4982del19 (rs80359876) Founder Calabrian Pathogenic Variant on Peripheral Blood and Buccal Swab DNA.</i>	Mol Diagn Ther 21:217-223	2017
184	Santonocito C, Scapatucci M, Nedovic B, Annicchiarico EB, Guarino D, Leoncini E, Boccia S, Gasbarrini A, Capoluongo E	<i>XRCC1 Arg399Gln gene polymorphism and hepatocellular carcinoma risk in the Italian population.</i>	Int J Biol Markers 4;32:e190-e194.	2017
183	M Fanelli, A Camperchioli, L Petrella, M Petrillo, C Baranello, P Baccaro, C Paolillo, E Capoluongo* , G Scambia*. (*shared last position)	<i>Non catalytic Region of Tyrosine Kinase Adaptor Protein 2 (NCK2) pathways as factor promoting aggressiveness in ovarian cancer</i>	Int J Biol Markers 33:124-131	2017
182	Di Salvatore M, Pietrantonio F, Orlandi A, Berenato R, Rossi E, Caporale M, Guarino D, Martinetti A, Basso M, Mennitto R, Santonocito C, Mennitto A, Schinzari G, Bossi I, Capoluongo E , Danesi R, Debraud F, Barone CA	<i>IL-8 and eNOS polymorphisms predict bevacizumab-based first line treatment outcomes in RAS mutant metastatic colorectal cancer patients</i>	Oncotarget 8(10):16887-16898	2017
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National and International Recommendations

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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Highly Cited Research
in Blood Cells, Molecules and Diseases

Awarded **December, 2016** to
E. Capoluongo
in recognition of the contribution to the quality of the journal made by:
Gilbert and Crigler Najjar syndromes: An update of the UDP-glucuronosyltransferase 1A1 (UGT1A1) gene mutation database*

*paper published in 2013 and cited in 2014/2015 up until June 2016 according to data from Scopus

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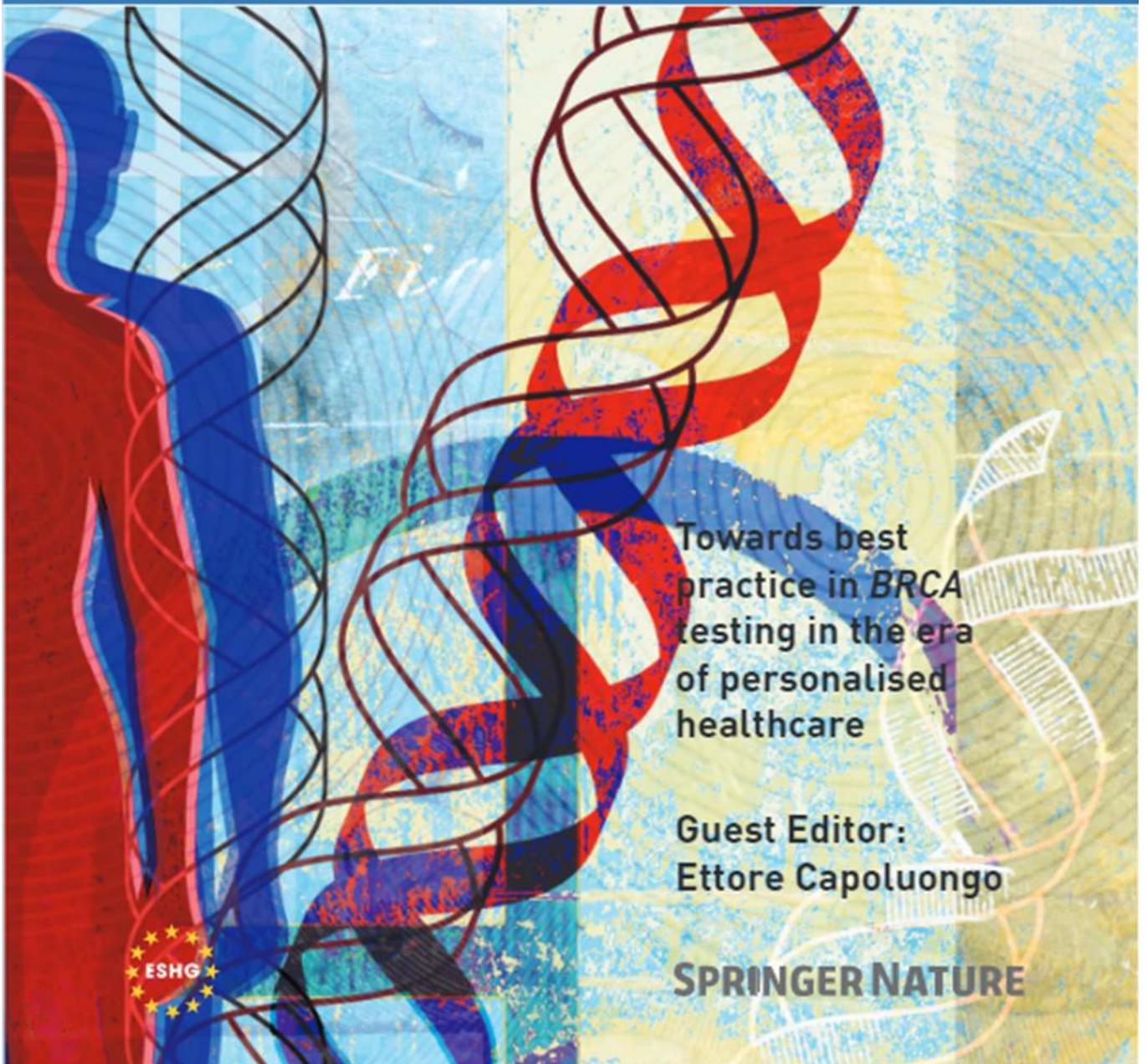


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Ettore Capoluongo	38	5430	Italy	biochemistry - medicine	Biomedical Sciences	Università Cattolica del Sacro Cuore	Verified Google Scholar MyCitations Last Update: 20/06/2019


TEACHING

Teaching Program	Faculty/Degree Course	School of Specialization in
Years: 2003-2019		
<ul style="list-style-type: none"> Biochemistry and Molecular Biology Clinical Molecular Biology 	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
Years: 2008-2011		
<ul style="list-style-type: none"> Clinical Molecular Biology 	Degree course in laboratory technician	Catholic University - Azienda Ospedaliera San Carlo Potenza
<ul style="list-style-type: none"> Clinical Molecular Biology Clinical Biochemistry 	Biotechnology Cosmetology	
Years: 2016-2019		
Molecular Pathology course: molecular diagnostics	Medicine and Surgery (in English)	
Years: 2019-to date		
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



