



Prof. ETTORE D. CAPOLUONGO

Full Professor of Clinical Biochemistry and Clinical Molecular Biology
European Registry of Specialists in Laboratory Medicine: Registration n. [REDACTED]
Member of European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Academy

Prof. Ettore Domenico CAPOLUONGO

Specialista in Patologia Clinica e Genetica Medica

Riconosciuto come Specialista Europeo in Medicina di Laboratorio (Matricola Registro Europeo n. [REDACTED])

Posizione attuale:

Professore Ordinario di Biochimica Clinica e Biologia Molecolare Clinica

Dipartimento di Eccellenza in Medicina Molecolare e Biotecnologie Mediche, Università Federico II - CEINGE, Biotecnologie Avanzate, Napoli

Responsabile del Programma Dipartimentale di I fascia su: Oncogenomica dei tumori ovarici, mammari, pancreatici, prostatici e pNET - Azienda Ospedaliera Universitaria Federico II, Napoli DAI - Medicina di Laboratorio e Trasfusionale - AOU Federico II - CEINGE - Biotecnologie Avanzate, Napoli

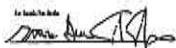




CV- in sintesi

Esperienze Lavorative e Ruoli ricoperti in Board Scientifici

2003-2016	Direttore del Laboratorio di Patologia Clinica	Ospedale L'Immacolata (Celano - Aquila) Università Cattolica del Sacro Cuore
2003-Maggio 2017	Direttore del Laboratorio di Diagnostica Molecolare Clinica e Personalizzata	Dipartimento of Diagnostica e Medicina di Laboratorio Policlinico A. Gemelli, Roma
Giugno 2017-Luglio 2018	Direttore Dipartimento di Medicina di Laboratorio e di Diagnostica Molecolare Avanzata (Genetica e Tossicologia)	Istituto Dermopatico dell'Immacolata (IDI) - IRCCS, Rome
Agosto 2018-Giugno 2019	Direttore Laboratorio di Diagnostica Molecolare e Genomica	"Fondazione Policlinico A. Gemelli" - Rome
Settembre 2018-2019	Consulente genetico e Direttore del laboratorio di oncogenomica	Fondazione Giovanni Paolo II Università Cattolica di Campobasso
2018-2019	Consulente Laboratorio XBioGEM-BIOREP (Laboratorio Diagnosi Prenatale)	XBioGEM spin-off della Fondazione Policlinico A. Gemelli
2020-present	Responsabile del Programma Dipartimentale di I fascia (assimilato a Direzione UOC) su: Oncogenomica dei tumori ovarici, mammari, pancreatici, prostatici e pNET Co-Responsabile Laboratorio COVID CORONET-7777 CEINGE	DAI - Medicina di Laboratorio e TrASFusionale - AOU Federico II - CEINGE - Biotecnologie Avanzate, Azienda Ospedaliera Universitaria Federico II, Napoli
2020-present	Co-responsabile del Laboratorio di diagnostica molecolare COVID-2 appartenente alla rete CORONET della Regione Campania	CEINGE, Biotecnologie Avanzate
2008-present	Coordinatore del "Gruppo di studio sulle applicazioni della Biologia Molecolare Clinica"	Società Italiana di Biochimica Clinica e Biologia Molecolare-Laboratorio (SiBioC)
2009-present	Coordinatore della "Scuola di formazione sulle applicazioni della diagnostica molecolare clinica"	Società Italiana di Biochimica Clinica e Biologia Molecolare (SiBioC)
2011-2017	Curatore del database della G6PD Genetic Database	Leiden University Medical Center
2012-present:	Coordinatore del "Gruppo di studio sul controllo di qualità in biologia molecolare clinica"	Società Italiana di Biochimica Clinica e Biologia Molecolare-



		Laboratorio di Medicina (SiBioC)
2015-2018	Coordinatore e responsabile della piattaforma nazionale di Screening dei geni <i>BRCA1/2</i> (Azfastnet-Policlinico Gemelli)	Policlinico A. Gemelli" - Roma
2015-2016	Coordinatore e responsabile della piattaforma (AZfastnet-Saudi Arabia) per il test <i>BRCA1/2</i> a favore degli ospedali dell'Arabia Saudita	Policlinico A. Gemelli" - Roma
2016,	Consulente e Membro esperto per Assessorato alla Salute, Regione Molise, per la riorganizzazione dei servizi di medicina di laboratorio pubblici e privati molisani	Regione Molise
2017-present	Membro eletto del Comitato Scientifico per la certificazione del Curriculum nella Biologia Molecolare Clinica (CMBC)	International Federation of Clinical Chemistry and Laboratory Medicine (IFCC)
2019-present	<i>Consultant presso la Commissione Europea - DIGIT-CIRCABC in qualità di esperto per i sistemi diagnostici in vitro e dispositivi medici</i>	Commissione Europea per la European Federation of Laboratory Medicine (EFLM)
2020-2023	Componente dell' <i>European Commission expert panel ('Expamed') on medical devices and in vitro diagnostic medical devices.</i>	Direzione Generale per la Salute e la Sicurezza Alimentare - Commissione Europea

RICONOSCIMENTI E PREMI

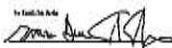
1. **Premio SiBioC 2019** per la Biologia Molecolare Clinica per l'alto contributo nel settore dato alla Medicina di Laboratorio
2. Inserito nella lista dei **Top Italian Scientists**
3. **Guest Editor** European Journal of Human Genetics

Principali attività in cui ha partecipato in qualità di opinion leader o esperto

Oncogenetica dei tumori femminili (mammella e ovaio); è coautore delle di numerose raccomandazioni scientifiche inter-societarie relative alla diagnostica e medicina di precisione

Genomica e Tecnologie genomiche mediante NGS

Diagnostica prenatale non invasiva (NIPT)



Biopsia liquida per il monitoraggio della malattia minima residua

E' referente per la rivista "Agenda Digitale del Governo" - *Sezione Sanità Salute* sulle nuove tecnologie per la diagnostica genomica e medicina di precisione

E' stato nominato presso il Dipartimento Salute presso la Commissione Europea nel comitato di esperti sui sistemi diagnostici in vitro ed i dispositivi medici

Ha partecipato alla elaborazione di diversi PDTA presso AGENAS e presso Regione Sicilia (PDTA Tumore Ovarico)

Ulteriori attività nell'ambito della organizzazione dei servizi di medicina di laboratorio

- È stato consulente per Deloitte per la reingegnerizzazione del Gruppo Mauriziano di Torino
- è stato team leader aziendale (Policlinico Gemelli) per la reingegnerizzazione dei servizi di Medicina di Laboratorio;
- referente per la Direzione Sanitaria per il progetto finalizzato alla realizzazione della piastra polifunzionale dei laboratori diagnostici;
- Ha conseguito un Master di II livello su Accreditamento dei servizi diagnostici e centri trasfusionali
- Ha operato come consulente per il Dipartimento della Salute della Regione Molise in qualità di Esperto per la reingegnerizzazione della rete di laboratori pubblici e privati della Regione

ATTIVITA DI RICERCA SCIENTIFICA

E' autore di più di 240 lavori scientifici con impact factor su riviste internazionali e di numerose monografie e raccomandazioni nazionali ed internazionali in campo diagnostico (di seguito in dettaglio in CV in extenso)

- Numero di pubblicazioni peer reviewed: **244**
- Number Chapters/monographs within books or encyclopedias: **4**
- **H-Index** (fonte *Scopus*) = **35**
- **Google Scholar: H Index**= **41**
- **Presente nella lista dei "Top Italian Scientists"**
- **Impact factor (IF):** > **800**
- **N. di Citazioni:** 6673 (fonte: Google Scholar, aggiornamento settembre 2020)

DOB: [REDACTED]

September, 2020

Marital status: [REDACTED]

Citizenship: Italian Tax code: [REDACTED]

Office Address:

Department of Molecular Medicine and Biotechnological Science
Medical School - Federico II University, Naples, ItalyLaboratory of Molecular Diagnostics and Genomics
CEINGE - Advanced Biotechnologies, Naples
E-mail [REDACTED]

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
dal 09/04/2018 al 09/04/2027)	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 Multidisciplinay 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

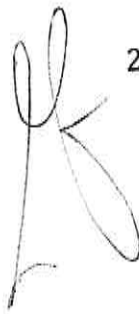
- a) Clinical Biochemistry
- b) Cytokine
- c) Cytotherapy
- d) Gene
- e) Human Immunology
- f) Human Genetics
- g) Human Mutation
- h) Clinica Chimica Acta
- i) Clinical Chemistry
- j) Clinical Chemistry and Laboratory Medicine
- k) BMC Genetics
- l) PLoS One
- m) TALANTA
- n) Biochimica and Biophysica 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 Secretory 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.

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- 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)
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LECTURES BY INVITATION

2006

"Molecular Biology in Clinical Laboratory

Catholic University – Medical School of Campobasso (Italy)

2008

"Role of free blood circulating nucleic acids and cells".

University of Camerino, Faculty of Biological Sciences (Italy)

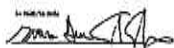
2008

"Standardization and Quality assurance in molecular biology testing".

Catholic University – Medical School of Campobasso (Italy)

2009

Standardization and Quality assurance in diagnostic molecular tests. National Annual Congress of SIBioC, Naples, 2009**"Red Blood Cell enzyme defects" – Meeting on Anemia - Catholic University – Medical School of Campobasso (Italy)****"Diagnostic Applications of Clinical Molecular Biology: the Laboratory meets clinicians" – 41th National Congress SIBioC Society Naples (Italy)****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)

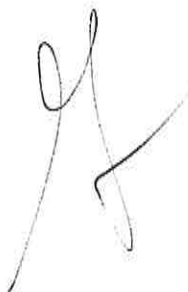
"Circulating Tumor Biomarkers" – 18th Balkan Clinical Laboratory Federation (BCLF) Meeting, Tirana (Albania)

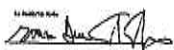
Expert symposium "Enrichment and detection of circulating tumor cells in melanoma and solid tumors. Their relevance in research and diagnostics, 42th National Congress SIBioC Society, Rome (Italy)

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
Istanbul (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: training courses for family doctors and specialists organized by Italian Public Health Genomics Group</i>
London (UK)	Speaker	6 th Next Generation Sequencing Congress <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 <i>"BRCA1/2 Analysis in ERA of Massive Parallel Sequencing"</i>
Milan (It)	Chairman	European Society of Human Genetics Conference, Astrazeneca supported satellite symposium on <i>"BRCA to the future: towards best testing practice in ERA of personalized medicine"</i>



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) December	Speaker	Molecular Technologies in the clinical management and Personalized Medicine. Speech on: "Use of NGS technologies in Oncology"
Dubai	Invited	MEA Diagnostics Symposium BRCA testing platforms (Direct



(Emirates) December	Lecturer	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) May	Lecturer and on bench Trainer	Italian Masterclass on Massive Parallel Sequencing in oncology at Catholic University
Avezzano (It)	Speaker	Conference on: COELIAC DISEASE AND AUTOIMMUNE DIABETES:



May		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) <i>Speech: Appropriateness in cancer biomarker management</i>
Rome (It), May	Speaker	Aiom Conference: Sliding Doors: personalized therapy in Ovarian

		Cancer. Speech: BRCA: lights and shadows
Rome (It), May	Speaker	Conference: Cancer Woman: on the side of women" (Aiom) Speech: BRCA tumor testing: New opportunities for clinicians and patients
Catanzaro (It) / June	Speaker	Conference on "The future cancer therapy" Speech: 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 Speech: Biochemical aspect of heart failure
London/ (UK) (Sept)	Invited expert lecturer	IndigoMedical - BRCA Webinar
Florence (It) (Oct)	Speaker	49° National Congress SIBioC Laboratory Medicine and Clinical Practice: from Present to future Speech: 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. Speech: New bioinformatic tools for tumor testing.
Milan (Nov)	Speaker Co-Chair	Next Generation Sequencing and Next generation Oncology - Ist. Mario Negri Speech: Somatic BRCA1/2 testing: issues, pitfalls, interpretation and validation of variants identified Round Table on: 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 Begginer's Course in Molecular Diagnostic - 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 CLINICAL DIAGNOSTICS -	<i>How To Follow Changes In PARP-1 SENSITIVITY In Ovarian Cancer Patients Through NGS</i>		
20.05.2019	Gruppo di Lavoro AIOM su "Raccomandazioni 2019		AIOM- Milan	Expert panel member



	<i>per l'implementazione del test BRCA nelle pazienti con carcinoma mammario e nei familiari a rischio elevato di neoplasia"</i>	Advisory board Meeting		
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	Göteborg 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	Which population should be tested for BRCA mutations?	Riyadh	Speaker

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



	DIVISION Committee on Clinical Molecular Biology Curriculum (C- CMBC)	<i>Molecular Diagnostics 10 th C-CMBC Course</i>		
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 Faisal 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,

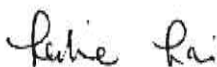
I am pleased to inform you that the Executive Committee of the IFCC Education and Management Division, in agreement with the Chair of Committee on Clinical Molecular Biology Curriculum (C-CMBC), has appointed you for a first term as Full Member of the Committee on Clinical Molecular Biology Curriculum (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 Onco-genetic 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: **245**
- Number Chapters/monographs within books or encyclopedias: **4**
- **H-Index (source Scopus) = 35**
- **Google Scholar: H Index= 41**
- **Recognized within the list of Top Italian Scientists**
- **Total Impact factor (IF): > 800**
- **N. of Citations: 6673 (source: Google Scholar Sept 2020)**

List of Research Publications, peer reviewed

Progr.	Authors	Title	Journal	Year
245	E De Paolis, M De Bonis, P Concolino, A Piermattei, A Fagotti, A Urbani, G Scambia, A Minucci, E Capoluongo	<i>Droplet digital PCR for large genomic rearrangements detection: A promising strategy in tissue BRCA1 testing</i>	Clinica Chimica Acta, in press	2020
244	D Horgan, G Ciliberto, P Conte, D Baldwind, L Seijoe, LM. Montuenga, L Paz-Ares, M Garassinoh, F Penault-Llorca, F Galli, I Ray-Coquard, D Querleu, E Capoluongo, S Banerjee, P Riegman, K Kerr, B Horbach R Büttner, HV Poppel, A Bjartell, G Codacci-Pisanelli, B Westphalen, F Calvo, J Koeva-Balabanova, S Hall, A Paradiso, D Kalra, C Cobbaert, RV Menendez, Z Maravic, V Fotaki, J Bennouna, E Cauchin, N Malats, I Gutiérrez-Ibarluzea, HB Gannon, K Mastris, C Bernini, W Gallagher, S Buglioni, A Kent, E Munzone, I Belina, JV Meerbeeck, M Duffy, E Sarnowska, B Jagielska, S Mee, G Curigliano	<i>Bringing Greater Accuracy to Europe's Healthcare Systems: The Unexploited Potential of Biomarker Testing in Oncology</i>	Biomed Hub; 5:511209	2020
243	Fania L, Moro, F, De Paolis E, Provini A, Salemme A, Mariotti F, Sinagra JL, Mazzanti C, Ruzzi L, Capoluongo ED, Di Zenzo G.	<i>Pemphigus Vulgaris In Two Couples Of Siblings From Two Unrelated Italian Families: Human Leukocyte Antigen Genotypes, ST18 Mutation And Immunological Profile</i>	J Dermatol Dec 1. doi: 10.1111/1346-8138.15656.	2020
242	C Nero, F Ciccarone, L Boldrini, J Lenkowicz, I Paris, ED Capoluongo, AC Testa, A Fagotti, V Valentini, G Scambia	<i>Germline BRCA1-2 status prediction through ovarian ultrasound images radiogenomics: a hypothesis generating study (probe study)</i>	Scientific Report, 5;10(1):16511.	2020

Professional Skills in Laboratory medicine

Prof. Ettore Domenico CAPOLUONGO

241	Capoluongo E.	PARP-inhibitors in a non-oncological indication as COVID-19: Are we aware about its potential role as anti-thrombotic drugs? The discussion is open	Biomed Pharmacother 130:110536-38	
240	Marchetti C, Minucci A, D'Indinosante M, Ergasti R, Arcieri M, Capoluongo ED, Pietragalla A, Caricato C, Scambia G, Fagotti A.	Feasibility of Tumor Testing for BRCA Status in High-Grade Serous Ovarian Cancer Using Fresh-Frozen Tissue Based Approach	Gynecol Oncol 15:S0090-8258(20)32294-0	
239	Mazzuccato G, De Bonis M, Carboni V, Marchetti C, Urbani A, Scambia G, Capoluongo E, Fagotti A, Minucci A.	High Resolution Melting Profiles (HRMPs) obtained by Magnetic Induction Cycler (MIC) have been used to monitor the BRCA2 status highlighted by Next Generation Tumor Sequencing (NGTS): a combined approach in a diagnostic environment	Molecular Biology Reports, 47:4897-4903.	2
238	Santonocito C, Rizza R, Paris I, Marchis L, Paolillo C, Tiberi G, Scambia G, Capoluongo E.	Spectrum of Germline BRCA1 and BRCA2 Variants Identified in 2351 Ovarian and Breast Cancer Patients Referring to a Reference Cancer Hospital of Rome	Cancers (Basel). 2020 May 19;12(5):E1286	20
237	M Salvatore, A Amato, G Floridia, F Censi, G Ferrari, F Tosto, R Padoan, V Raia, N Cirilli, G Castaldo, E Capoluongo, U Caruso, C Corbetta, D Taruscio	The Italian External Quality Assessment program for Cystic Fibrosis Sweat Chloride Test: does an active participation improve the quality?	Int J Environ Res Public Health. 4;17(9):E3196	202
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	A new founder BRCA1 haplotype identified in the Puglia region is associated with a specific age-related cancer onset in three unrelated families	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.	Faecal Calprotectin May Predict Need of Multiple Microbiota Transplantation Infusions In Clostridium Difficile Infection.	J Gastroenterol Hepatol, doi: 10.1111/jgh.15072.	2020
234	Capoluongo E, Amato F, Castaldo G	"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"	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.	Salvage lymphadenectomy in recurrent ovarian cancer patients: Analysis of clinical outcome and BRCA1/2 gene mutational status.	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	Spliceogenic analysis of BRCA1 c.439T>C (rs794727800) variant by High Resolution Melting Analysis.	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	Evaluation of Cutaneous, Oral and Intestinal Microbiota in Patients Affected by Pemphigus and Bullous Pemphigoid: a pilot study	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> *Shared first position	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, 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	<i>Recommendations for the implementation of BRCA testing in ovarian cancer patients and their relatives.</i>	Crit Rev Oncol Hematol. 140:67-72	2019
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> *Shared first position	Front Endocrinol (Lausanne). 12;10:365	2019
222	Gallotta V, Conte C, D'Indinosante M, Capoluongo E, Minucci A, De Rose AM, Ardito F, Giulianti 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



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
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227	Chiloire S, Capoluongo ED* , A, De Marinis L, Bianchi A.	<i>The changing clinical spectrum of Hypophysitis</i> *Shared first position	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, 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	<i>Recommendations for the implementation of BRCA testing in ovarian cancer patients and their relatives.</i>	Crit Rev Oncol Hematol. 140:67-72	2019
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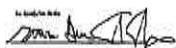
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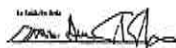


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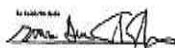
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National and International Recommendations

1. Position Paper "Test di analisi dei profili di espressione genica nel carcinoma della mammella"

A cura del Gruppo di Lavoro AIOM – SIAPEC-IAP – SIBIOC – SIF

Giordano Beretta, Massimo Barberis, Ettore Capoluongo, Isabella Castellano, Saverio Cinieri, Laura Cortesi, Romano Danesi, Lucia Del Mastro, Marzia Del Re, Serena Di Cosimo, Stefania Gori, Lorena Incorvaia, Nicla La Verde, Giuseppe Perrone, Nicola Silvestris, Pierosandro Tagliaferri, Antonio Russo

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<https://www.aiom.it/test-di-analisi-dei-profil-di-espressione-genica-nel-carcinoma-della-mammella/>

2. "Test di analisi dei profili di espressione genica nel carcinoma della mammella". Un aiuto al clinico nei casi di incertezza nella scelta del trattamento adiuvante

Versione "short" del Position Paper: "Test di analisi dei profili di espressione genica nel carcinoma della mammella"

A cura del Gruppo di Lavoro AIOM – SIAPEC-IAP – SIBIOC – SIF

Giordano Beretta, Massimo Barberis, Ettore Capoluongo, Isabella Castellano, Saverio Cinieri, Laura Cortesi, Romano Danesi, Lucia Del Mastro, Marzia Del Re, Serena Di Cosimo, Stefania Gori, Lorena Incorvaia, Nicla La Verde, Giuseppe Perrone, Nicola Silvestris, Pierosandro Tagliaferri e Antonio Russo

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3. Raccomandazioni 2020 per l'esecuzione di Test Molecolari su Biopsia Liquida in Oncologia

A cura del Gruppo di Lavoro AIOM – SIAPEC-IAP – SIBIOC – SIF

Giordano Beretta, Ettore Capoluongo, Romano Danesi, Marzia Del Re, Matteo Fassan, Giuseppe Giuffrè, Stefania Gori, Valerio Gristina, Lorena Incorvaia, Umberto Malapelle, Antonio Marchetti, Nicola Normanno, Carmine Pinto, Giulio Rossi, Andrea Sartore Bianchi, Nicola Silvestris, Pierosandro Tagliaferri, Giancarlo Troncone e Antonio Russo

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<https://www.aiom.it/raccomandazioni-2020-per-lesecuzione-di-test-molecolari-su-biopsia-liquida-in-oncologia/>



4. Raccomandazioni 2020 per l'implementazione dell'analisi mutazionale *BRCA* nei pazienti con adenocarcinoma del pancreas metastatico

A cura del Gruppo di Lavoro AIOM - AISP - SIAPEC/IAP - SIBIOC - SICO - SIF - SIGE - SIGU

Giordano Beretta, Stefania Gori, Ettore Capoluongo, Silvia Carrara, Laura Cortesi, Romano Danesi, Marzia Del Re, Massimo Di Maio, Vito Di Marco, Antonio Galvano, Maurizio Genuardi, Valerio Gristina, Paola Ghiorzo, Alessandro Gronchi, Lorena Incorvaia, Claudio Luchini, Salvatore Paiella, Aldo Scarpa, Nicola Silvestris, Giuseppe Zamboni e Antonio Russo

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<https://www.aiom.it/raccomandazioni-2020-per-limplementazione-dellanalisi-mutazionale-brca-nei-pazienti-con-adenocarcinoma-del-pancreas-metastatico/>

5. Raccomandazioni 2020 sui Farmaci Agnostici

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Giordano Beretta, Ettore Capoluongo, Rita Chiari, Laura Cortesi, Romano Danesi, Marzia Del Re, Gabriella Fontanini, Stefania Gori, Lorena Incorvaia, Umberto Malapelle, Antonio Marchetti, Dario Sangiolo, Nicola Silvestris, Pierosandro Tagliaferri, Giovanni Tallini, Bruno Vincenzi e Antonio Russo

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6. Nuovo modello di Oncologia di Precisione: biomarcatori agnostici e indicazioni terapeutiche

Versione “short” del documento “Raccomandazioni 2020 sui Farmaci Agnostici”

A cura del Gruppo di Lavoro AIOM – SIAPEC-IAP – SIBIOC – SIF

Giordano Beretta, Ettore Capoluongo, Rita Chiari, Laura Cortesi, Romano Danesi, Marzia Del Re, Gabriella Fontanini, Stefania Gori, Lorena Incorvaia, Umberto Malapelle, Antonio Marchetti, Dario Sangiolo, Nicola Silvestris, Pierosandro Tagliaferri, Giovanni Tallini, Bruno Vincenzi e Antonio Russo

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7. Raccomandazioni AIOM 2020 “Tumor Board Molecolare”

A cura del Gruppo di Lavoro AIOM – SIAPEC-IAP – SIBIOC – SIF – SIGU – SIRM

Giordano Beretta, Ettore Capoluongo, Rita Chiari, Romano Danesi, Marzia Del Re, Matteo Fassan, Roberto Ferrara, Antonio Galvano, Maurizio Genuardi, Paola Ghiorzo, Stefania Gori, Lorena Incorvaia, Umberto Malapelle, Antonio Marchetti, Paolo Marchetti, Massimo Midiri, Francesco Passiglia, Nicola Silvestris, Pierosandro Tagliaferri, Giovanni Tallini, Simona Vatrano, Bruno Vincenzi e Antonio Russo

In corso revisione del documento.

8. Raccomandazioni 2020 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- SIF-SIGU - SIBIOC - SIAPEC- IAP- Fondazione AIOM



Stefania Gori, Laura Cortesi, Fiamma Buttitta, **Ettore Capoluongo**, Saverio Cinieri, Romano Danesi, Lucia Del Mastro, Marzia Del Re, Massimo Dessena, Oreste Gentilini, Maurizio Genuardi, Valentina Guarneri, Lorena Incorvaia, Nicla La Verde, Paolo Marchetti, Caterina Marchiò, Fabrizio Nicolis, Laura Ottini, Matilde Pensabene, Enrico Ricevuto, Anna Sapino, Pierosandro Tagliaferri, Mauro Truini, Daniela Turchetti, Liliana Varesco, Simona Vatrano e Antonio Russo

9. 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.

10. 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 Ascierto, 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.

11. 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.

12. 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, Pierosandro Tagliaferri, Mauro Truini, Daniela Turchetti, Liliana Varesco.

13. 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, Pierosandro Tagliaferri, Pierfrancesco Tassone, Chiara Trevisiol, Mauro Truini, Liliana Varesco

14. 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

CV EDC

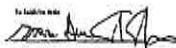
Professional Skills in Laboratory medicine
Prof. Ettore Domenico CAPOLUONGO

In Reply to


ABSTRACTS: (FROM 1999)

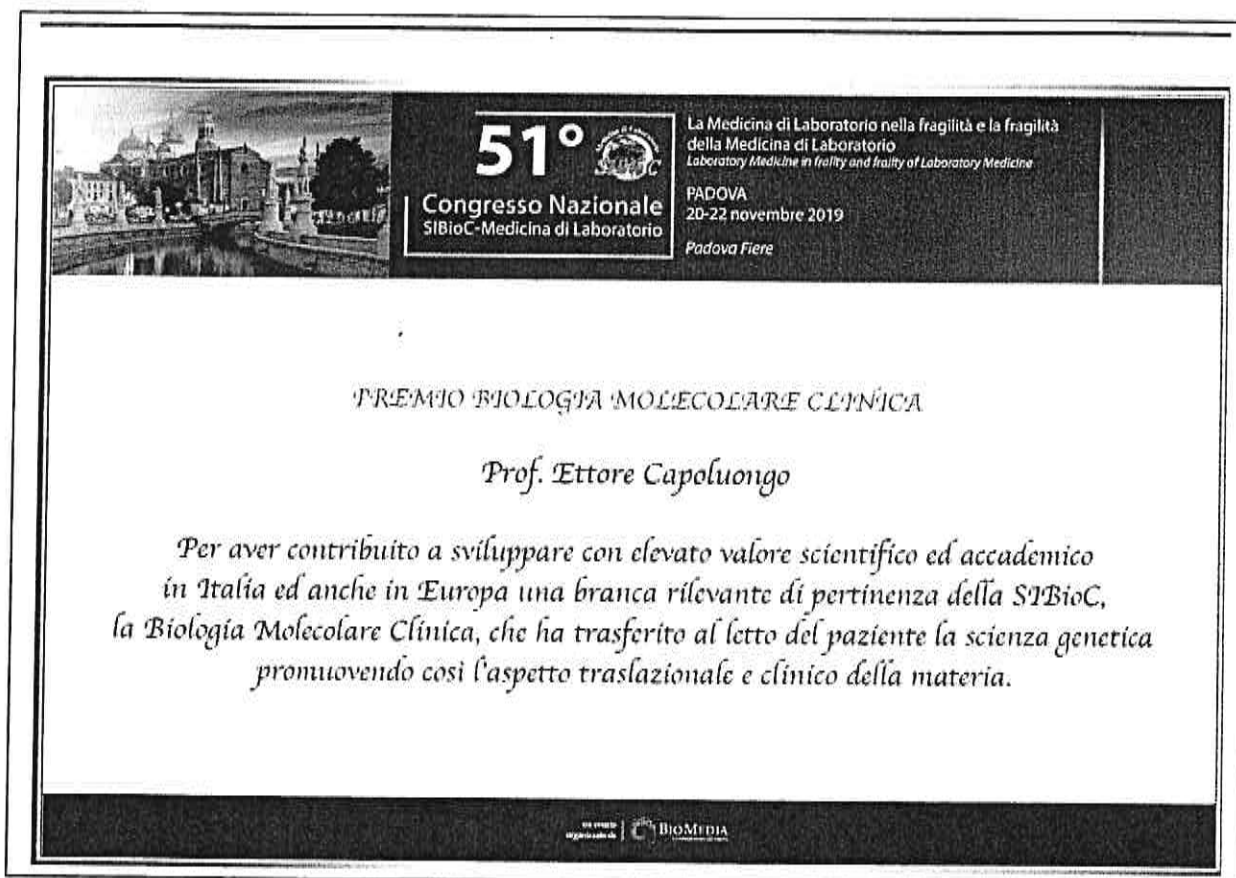
More than **500** abstracts submitted to national and international meetings (60 in the last three years).
More than further 50 oral presentations as invited speaker in the context of national and international meetings (twenty in the last two years).



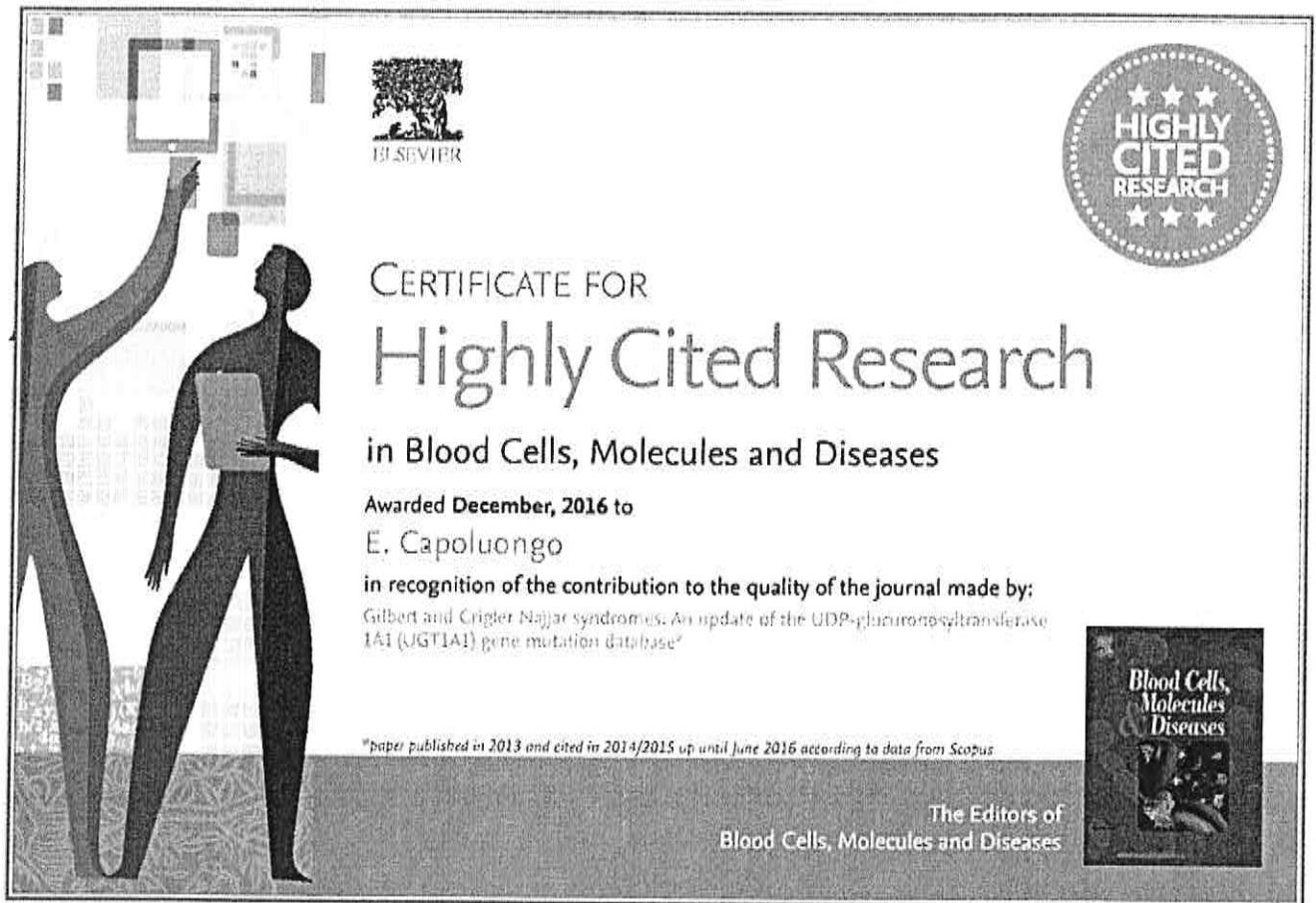


AWARDS

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)




Mr. E. Capoluongo



E. Capoluongo

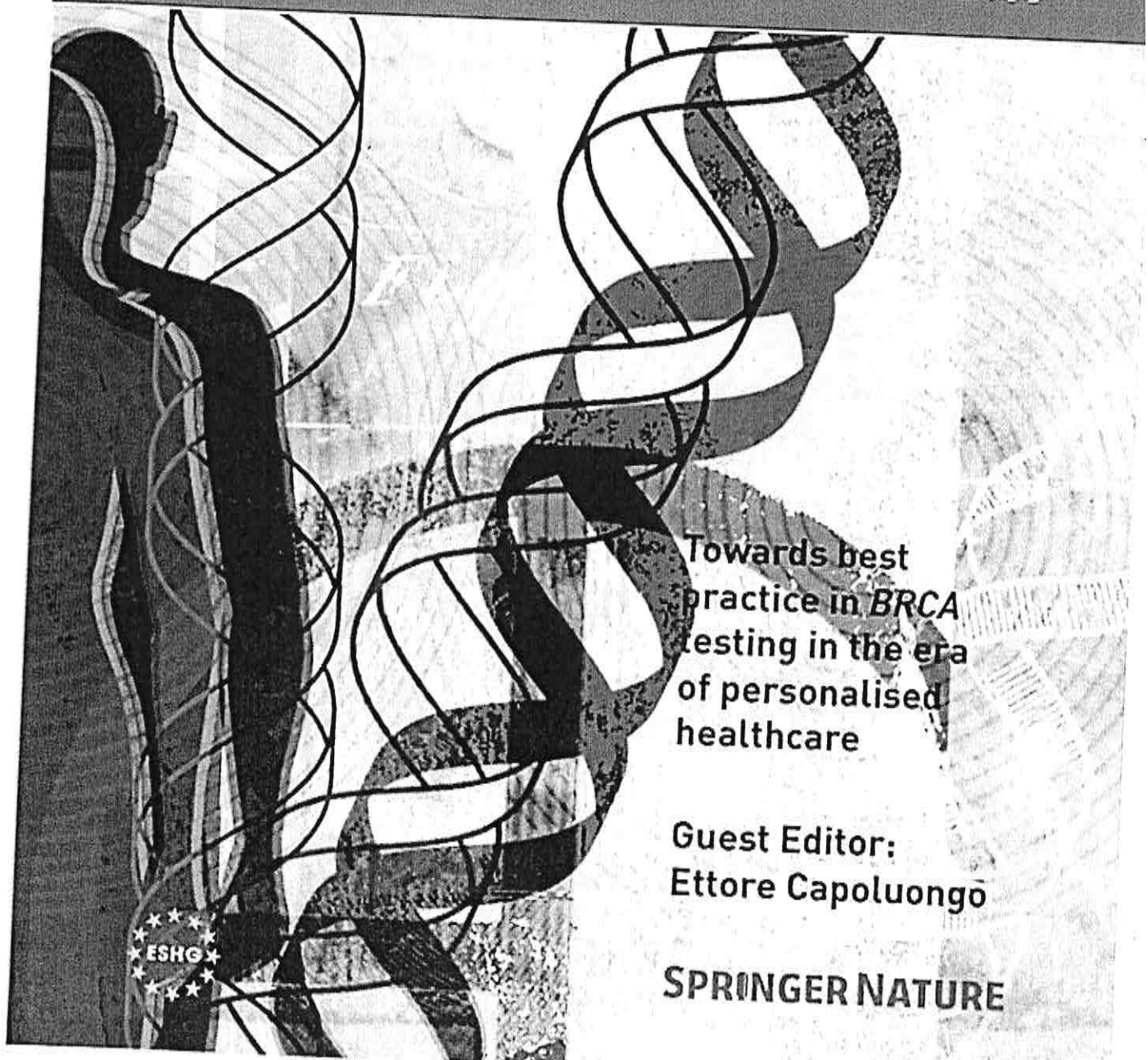


European Journal of Human Genetics

Volume 24, Supplement 1

September 2016

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Towards best
practice in *BRCA*
testing in the era
of personalised
healthcare

Guest Editor:
Ettore Capoluongo

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Accademico: capoluongo

Cerca

Academic	H-index	Citations	Nation	Area	MacroArea	Italian Institution	note
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		
- 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		
Clinical Molecular Biology	Degree course in laboratory technician	Catholic University – Azienda Ospedaliera San Carlo Potenza
- 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





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