

Curriculum Vitae

NAME		POSITION TITLE	
Drakoulis Yannoukakos		Director of Research Molecular Diagnostics Laboratory INRaSTES National Center of Scientific Research "Demokritos"	
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Aristotle University of Thessaloniki	Bachelor in Chemistry	10/78-1/84	Chemistry
Laboratory of Histology-Embryology University of Athens	Post-graduate laboratory work	05/84-05/85	Molecular Endocrinology
Université de Paris-XI INSERM U299	Diplôme d'études approfondies (DEA-Master's) in Enzymology	09/87- 8/88	HPLC analysis of fragments derived from the cytoplasmic domain of band3 (AE1) protein from human Red Blood Cells
Université de Paris XII, INSERM U299 Prof. H. Wajcman, & E. Bursaux, FR	Ph.D. in Biochemistry	09/88-10/91	Biochemistry of Anion Exchanger 3. Localization of phosphorylation sites and 1 st description of "Memphis" polymorphism.
Department of Molecular Medicine, Beth Israel Hospital, Harvard University Medical School, Prof. S.L. Alper, USA	Post-doctoral fellow in Molecular Biology	10/91-01/94	Cloning and expression of Anion Exchanger isoforms from human heart & brain
Dept. of Molecular Pharmacology, New York University Medical School, Prof. J. Schlessinger. USA	Post-doctoral fellow in Molecular Pharmacology	02/94-04/95	EGFR Signal Transduction Pathway

Positions and Honors

11/2007-today Director of Research (Professor level), Head, Molecular Diagnostics Laboratory, NCSR "Demokritos"

4/2003-11/2007 Researcher B' (Assoc. Prof. level), Head, Molecular Diagnostics Laboratory, NCSR "Demokritos"

9/1995-4/2003 Researcher C' (Assist. Prof. level), Head, Molecular Diagnostics Laboratory, NCSR "Demokritos"

Honors and Awards

2009 Athens Medical Society, "Sotiris Papastamatis" Award.

2002 Investigator's award Greek Senological Society.

2001 Investigator's Award, World Society for Breast Health.

2001 Greek Anticancer Society, Award.

2000 Athens Medical Society, "Sotiris Papastamatis" Award.

1993 – 1994 American Heart Association, Post-doctoral Fellowship.

1988 - 1991 Greek National Fellowship Foundation, Fellowship for PhD thesis.

Reviewer in International Scientific Journals: **Nature Genetics**, Human Mutation, BMC Cancer, BMC Biochemistry, Cancer Genetics & Cytogenetics.

Expert evaluator for National Research Grant Funding Agencies of Greece, Cyprus, Qatar and International Union Against Cancer (UICC).

Participation in International Consortia

- Member of the **Management Committee – COST program** Action BM0606 "**Collaborative association studies in breast cancer**" 9/2007-9/2011. President: Professor Peter Devilee, Leiden University.
- **Consortium of Investigators of Modifiers of BRCA1 and BRCA2 (CIMBA)**. Coordinated by Dr Georgia Chenevix-Trench, Queensland Institute of Medical Research, Brisbane, Australia. <http://www.srl.cam.ac.uk/consortia/cimba/index.html>
- **Breast Cancer Association Consortium**. Coordinated by Prof. Doug Easton, Cambridge University, UK. <http://www.srl.cam.ac.uk/consortia/bcac/>
- **Evidence-based Network for the Interpretation of Germline Mutant Alleles – ENIGMA**. Coordinated by Prof. A. Monteiro, Univ. S. Florida, Tampa, USA. <http://enigmaconsortium.org/>

- **Ovarian Cancer Association Consortium – OCAC.** Coordinated by Prof. Paul Pharoah, Cambridge University, UK: <http://www.srl.cam.ac.uk/consortia/ocac/index.html>
- **Collaborative Oncological Gene-environment Study – COGS.** Coordinated by Prof. Per Hall, Karolinska Institute, Sweden <http://cogseu.org>
- **Collaborative genomics for human health and cooperation in the Mediterranean region.** Coordinated by Prof. Mary-Claire King, University of Washington, Seattle.
- **Leiden Open Variation Database.** Coordinated by Prof. Hes FJ, Departments of Clinical Genetics, Leiden University Medical Center, The Netherlands <http://www.lovd.nl/2.0>

Current Research Grants			
Title of Grant: Breast Cancer Genetics in Greek families with breast/ovarian cancer history			
Performance Period	Amount Funding	of % Participation in funding	Supporting Agency / Program
2010-2012	170.000,00 €	100.00%	Hellenic Cooperative Oncology Group
Title of Grant: Extreme Phenotypes in Breast-Ovarian Cancer: Whole exome analysis in very early onset (17-35yrs) cases			
Performance Period	Amount Funding	of % Participation in funding	Supporting Agency / Program
2012-2015	401.000 €	100.00%	General Secretariat for Research & Technology of Greece / ARISTEIA
Title of Grant: Molecular sub-typing of Triple Negative Breast Cancer			
Performance Period	Amount Funding	of % Participation in funding	Supporting Agency / Program
2012-2014	600,000.00 €	33.00%	Ministry of Education & Life Long Learning / THALIS
Title of Grant: Detection of New Breast and ovarian Cancer predisposing Alleles using whole genome next generation sequencing			
Performance Period	Amount Funding	of % Participation in funding	Supporting Agency / Program
2012-2015	800.000€	37,5%	General Secretariat for Research & Technology / COOPERATION II
Title of Grant: PIK3CA Oncogenic Mutations in Breast & Colon Cancer: Development of Targeted			

Anticancer Drugs & Diagnostics			
Performance Period	Amount of Funding	% Participation in funding	Supporting Agency / Program
2010-2012	1.600.000.00 €	5.00%	General Secretariat for Research & Technology / COOPERATION I

Title of Grant: Genetic analysis in women members of the Panhellenic Association of Women with Breast Cancer “Alma Zois”			
Performance Period	Amount of Funding	% Participation in funding	Supporting Agency / Program
2010-2015	80.000.00 €	100.00%	Panhellenic Association of Women with Breast Cancer “Alma Zois”

Publications

2015

Mavaddat N, Pharoah PD, Michailidou K, Tyrer J, Brook MN, Bolla MK, Wang Q, Dennis J, Dunning AM, Shah M, Luben R, Brown J, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Czene K, Darabi H, Eriksson M, Peto J, Dos-Santos-Silva I, Dudbridge F, Johnson N, Schmidt MK, Broeks A, Verhoef S, Rutgers EJ, Swerdlow A, Ashworth A, Orr N, Schoemaker MJ, Figueroa J, Chanock SJ, Brinton L, Lissowska J, Couch FJ, Olson JE, Vachon C, Pankratz VS, Lambrechts D, Wildiers H, Van Ongeval C, van Limbergen E, Kristensen V, Grenaker Alnæs G, Nord S, Borresen-Dale AL, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Burwinkel B, Marme F, Schneeweiss A, Sohn C, Trentham-Dietz A, Newcomb P, Titus L, Egan KM, Hunter DJ, Lindstrom S, Tamimi RM, Kraft P, Rahman N, Turnbull C, Renwick A, Seal S, Li J, Liu J, Humphreys K, Benitez J, Pilar Zamora M, Arias Perez JI, Menéndez P, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Bogdanova NV, Antonenkova NN, Dörk T, Anton-Culver H, Neuhausen SL, Ziogas A, Bernstein L, Devilee P, Tollenaar RA, Seynaeve C, van Asperen CJ, Cox A, Cross SS, Reed MW, Khusnutdinova E, Bermisheva M, Prokofyeva D, Takhirova Z, Meindl A, Schmutzler RK, Sutter C, Yang R, Schürmann P, Bremer M, Christiansen H, Park-Simon TW, Hillemanns P, Guénel P, Truong T, Menegaux F, Sanchez M, Radice P, Peterlongo P, Manoukian S, Pensotti V, Hopper JL, Tsimiklis H, Apicella C, Southey MC, Brauch H, Brüning T, Ko YD, Sigurdson AJ, Doody MM, Hamann U, Torres D, Ulmer HU, Försti A, Sawyer EJ, Tomlinson I, Kerin MJ, Miller N, Andrulis IL, Knight JA, Glendon G, Marie Mulligan A, Chenevix-Trench G, Balleine R, Giles GG, Milne RL, McLean C, Lindblom A, Margolin S, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Eilber U, Wang-Gohrke S, Hooning MJ, Hollestelle A, van den Ouweland AM, Koppert LB, Carpenter J, Clarke C, Scott R, Mannermaa A, Kataja V, Kosma VM, Hartikainen

JM, Brenner H, Arndt V, Stegmaier C, Karina Dieffenbach A, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Offit K, Vijai J, Robson M, Rau-Murthy R, Dwek M, Swann R, Annie Perkins K, Goldberg MS, Labrèche F, Dumont M, Eccles DM, Tapper WJ, Rafiq S, John EM, Whittemore AS, Slager S, **Yannoukakos D**, Toland AE, Yao S, Zheng W, Halverson SL, González-Neira A, Pita G, Rosario Alonso M, Álvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Luccarini C, Baynes C, Ahmed S, Maranian M, Healey CS, Simard J, Hall P, Easton DF, Garcia-Closas M. Prediction of breast cancer risk based on profiling with common genetic variants. [J Natl Cancer Inst. 2015 Apr 8](#);107(5). pii: djv036. doi: 10.1093/jnci/djv036. Print 2015 May.

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Closas M, Figueroa J, Chanock SJ, Lissowska J, Czene K, Darabi H, Eriksson M, Klevebring D, Hooning MJ, Hollestelle A, van Deurzen CH, Kriege M, Hall P, Li J, Liu J, Humphreys K, Cox A, Cross SS, Reed MW, Pharoah PD, Dunning AM, Shah M, Perkins BJ, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Ashworth A, Swerdlow A, Jones M, Schoemaker MJ, Meindl A, Schmutzler RK, Olswold C, Slager S, Toland AE, **Yannoukakos D**, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsang P, Matsuo K, Ito H, Iwata H, Ishiguro J, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Teo SH, Yip CH, Kang P, Ikram MK, Shu XO, Lu W, Gao YT, Cai H, Kang D, Choi JY, Park SK, Noh DY, Hartman M, Miao H, Lim WY, Lee SC, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Wu PE, Hou MF, Yu JC, Shen CY, Blot W, Cai Q, Signorello LB, Luccarini C, Bayes C, Ahmed S, Maranian M, Healey CS, González-Neira A, Pita G, Alonso MR, Álvarez N, Herrero D, Tessier DC, Vincent D, Bacot F, Hunter DJ, Lindstrom S, Dennis J, Michailidou K, Bolla MK, Easton DF, Dos Santos Silva I, Fletcher O, Peto J. Fine-mapping identifies two additional breast cancer susceptibility loci at 9q31.2. [Hum Mol Genet. 2015 Feb 4](#). pii: ddv035.

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Armakolas A, Ladopoulou A, Konstantopoulou I, Gomatos IP, Kataki A, Konstadoulakis MM, Stathopoulos GP, Markopoulos C, Leandros E, Gogas I, **Yannoukakos D.** Androulakis G. The BRCA2 gene in Greek breast cancer patients. [Human Mutation \(2002\)](#) 19(1): 81-2.

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Invited presentations

(bold: Inviting Organisation/Meeting title, Italics: talk given title, plain text: place/date)

1. **NCSR “Demokritos” summer school**. *Breast/Ovarian Cancer Genetics*. Athens 9/7/13
2. **1st meeting of the Association of Medical Geneticists of Greece**. *Breast/Ovarian Cancer Genetics*. Athens, UOA, 30-31/05 & 1/6/13
3. **Dental School, UOA**. *Breast/Ovarian Cancer Genetics*. Athens, 6/3/13
4. **7th educational seminar in Molecular Oncology and Personalized Medicine for Clinical Oncology**. *The mobilization of next-generation sequencing in the detection of families with Lynch syndrome and other cases familiar to Colon Formula X cancer* - Congress Center Metsovo "Diaselo" Egnatia Epirus Foundation, 22-24/2/13
5. **64th Congress of the Panhellenic Union of Biochemistry & Molecular Biology**, *Cancer Genetics*. Evgenidou Foundation, 6-8/12/13
6. **NCSR “Demokritos”** *Breast/Ovarian Cancer Genetics*. 26/04/13
7. **NCSR “Demokritos” summer school**. *Breast/Ovarian Cancer Genetics*. Athens 19/07/12
8. **Panhellenic Union of Bioscientists-Association of Medical Geneticists- Pan-Hellenic Association of Clinical Embryologists**, *Genetic counseling in solid tumors*. Athens, 31/5/12-3/6/12
9. **COSA Seminar NCSR “Demokritos”**, *Cancer Genetics*, 15/5/12
10. **1st International Workshop, Greek Institute of Gastroenterology and Nutrition**, *Controversial Issues and Developments in Nosology of Digestive System*. MITERA Hospital, "N. Louros" Familial diffuse type gastric cancer, 9-10/3/12
11. **National Foundation of Research**, *Breast/Ovarian Cancer Genetics*. 2/3/12
12. **Golden Helix Biomedical Sciences Institute-Gitonas School**, *Genetics and Society*. Evgenidou Foundation, Athens 4/-6/11
13. **Metropolitan Hospital**, *Hereditary cancer*. Athens, 7/4/11

14. **Dental School, UOA**, Hereditary cancers: The role of genetics in the recognition and prevention. Athens, 6/4/11
15. **1st Oncology Clinic, Metaxa Hospital**. Hereditary cancers: The role of genetics in the recognition and prevention Piraeus 27/01/2011
16. **Hellenic Society for Medical Oncologists (HeSMO)**. Greek Young Oncologists Meeting: "Inherited Breast Cancer Syndromes: From Bench to Bedside" Germ line BRCA1 and BRCA2 Mutations in Greek Breast/Ovarian Cancer Families, 22/01/2011, Athens, Greece
17. **Hellenic Cooperative Oncology Group**. Update on cancer genetics screening in Greece. Athens, 21/01/2011
18. **EUROPLAN: European Program on Rare Diseases**. National Conference. Coordination of working group on Research in Rare Diseases. 26-27/11/2010.
19. **Congress of the Panhellenic Union of Bioscientists** "The environment of our health" Hereditary breast-ovarian cancer: difficulties in locating the genetic cause in families with a history of different cancers, IIBEAA 25-27/11/2010
20. **1st Panhellenic Congress of the Hellenic Society of breast surgery**. Hereditary breast cancer, Athens, 25-27/06/2010.
21. **7th Panhellenic Congress of Digestive Oncology**. Pancreatic Cancer. Chairman of the Session Molecular Biology of Pancreatic Cancer. Athens, 29/05/2010.
22. **Asklipiio Voulas, General Hospital**. Colon Cancer Genetics, Voula, 19/05/2010
23. **16th Congress of the Greek Society of Clinical Oncology**. Chairman of the session Hereditary Cancer. Athens, 22-25/04/2010.
24. **Medical School University of Athens**. Breast Cancer surgery undergraduate course. Hereditary Breast Cancer. Athens, 16/03/2010
25. **Greek Society of Mastology, 30 years meeting**. Breast cancer genetics. Athens, 27-02-2010.
26. **15th Oncology meeting – Metaxa Hospital**. Colorectal Cancer syndromes. Athens. 13-14/11/2009
27. **5th Seminar of Clinical Oncology**. The introduction of genetic counseling in clinical practice in women with high risk of breast cancer. Thessaloniki 15-17/10/2009
28. **3rd Seminar of the Balkan School of Oncology**. Hereditary cancer predisposition syndromes and preimplantation genetic diagnosis: where are we now? Volos, 10-12/09/2009.
29. **Mediterranean Medical Genetics Meeting 2009**. Challenges in identifying genetic predisposition in families with variable history of cancer. Ankara, 28/06 -01/07/09
30. **1st Surgical Clinic, Asklipiio Voulas General Hospital**. Familial/Genetic breast cancer in Greece Athens, 22-06-09
31. **11th Panhellenic Congress of Obstetrics & Gynecology**. Familial/Genetic breast cancer in Greece. Athens, 28-31/05/2009
32. **5th Breast Symposium New European Surgical Academy Congress**. The Genomic Profile in the Decision of Adjuvant Chemotherapy, Athens, 28 – 30/05/2009

33. **Newest developments in Molecular Biology and Surgery of Colorectal Cancer.** Genetic instability in Colorectal Cancer. Athens, 04/04/2009
34. **11th Pan-Hellenic meeting of Mastology Society,** Session Chairman, Athens 2-4/04/2009
35. **Medical School, Athens University.** Hereditary breast cancer. 16/03/2009
36. **Pharmacogenomics Meeting. Personalized Medicine. Chania Oncology Dept.** Session Chairman. Chania, 07/03/2009
37. **College of Athens.** Biology in the 21st century. 24/02/09
38. **Panhellenic Union of Bioscientists.** Cancer Genetics. Athens, 20/02/09
39. **1st meeting of the centre “DNA Analysis” Molecular Genetic Analysis – DNA test.** Hereditary breast/ovarian cancer. Irakelio – Crete, 24/01/09.
40. **33rd FEBS Congress - 11th IUBMB** conference on Biochemistry of Cell Regulation. Biodiagnostics. Athens 28/6-3/7/2008
41. **Balkan School of Oncology, Second Seminar.** Molecular knowledge in cancer goes to patient’s bed. “Hereditary Cancer Syndromes”, 6-8 September 2007, Volos, Greece.
42. **International Forum for the Study of Familial & Early Breast Cancer.** “Spectrum of BRCA mutations in Greek families”, 18 – 21 October 2007, Nicosia-Cyprus.
43. **Depts of Medicine (Medical Genetics) and Genome Sciences, Health Sciences, University of Washington School of Medicine, Seattle.** Cancer genetics in Greece, Seattle. 08/01/2007
44. **6th International Molecular Targeted Therapy of Cancer Workshop.** Functional Genomics and Proteomics. Cracow, Poland, April 7-8, 2006
45. **3rd International Biotechnology Forum.** New diagnostic methods for hereditary and sporadic breast cancer based on DNA microarrays. Athens 5-7/10/2006.
46. **39th Annual Meeting of European Society of Clinical Investigation.** Cancer genetic testing – the Greek experience so far, Athens, Greece. 07/04/2005
47. **13th Reach to Recovery International** (Meeting organized by Breast Cancer patients) Incidence, hereditary breast cancer & predisposition, 1-4 June 2005, Athens, Greece
48. **International Forum for the Study of Familial & Hereditary Breast Cancer.** BRCA1 & BRCA2 incidence in Greece, 8-10 September 2005, Tinos island, Greece.
49. **6th Balkan Meeting on Human Genetics.** Germ-line BRCA1/2 mutations in Greek patients with history of breast-ovarian cancer, Thessaloniki 28-31/08/2004
50. **Institute of Oncology and Radiology of Serbia – Belgrade.** “BRCA1 and BRCA2 genes mutation analysis in patients with a family history of breast and ovarian cancer”, Belgrade 24/09/2003.
51. **11th Meeting of Balkan Clinical Laboratory Federation (BCLF)** Organised by the Society of Medical Biochemists of Serbia and Montenegro (SMBSM) “BRCA1 and BRCA2 genes mutation analysis in patients with a family history of breast and ovarian cancer”, Belgrade 24-27/09/2003.

Organisation of International conferences

Member of the steering committee of the **Mediterranean Medical Genetics Meeting**.
Ankara, 28/06 -01/07/09.

Major contributions to early careers of excellent researchers

Supervision of seven PhD theses in the field of cancer genetics.

Examples of leadership in industrial innovation (if applicable)

Co-founder and scientific director of the Biotech company Biogenomica, Centre for Genetic Research & Analysis s.a. (2004-2009).