

**Dr. Ageliki Gerovassili, AKC, BSc, MSc, PhD**  
**Geneticist**

Item	Number
Books	2
Book Chapters	
Articles in International Peer-Reviewed Journals Indexed in Bibliographical Databases	12
Articles not Indexed in Bibliographical Databases	
Refereed International Conference Presentations	36
Invited Presentations	9
Google Scholar/Scopus Citation Index (including self-citations)	1781
Google Scholar/Scopus h-index	8
Involved in Successful Grant Applications	

**1. EDUCATION**

Nov 2003 –  
Jan 2007 •

**King's College London**, London, UK

**PhD in Non-Invasive Prenatal Diagnosis**

Investigation of non-invasive and invasive prenatal diagnosis methods for the detection of chromosomal abnormalities and sickle cell disease. The project involved detection of free fetal DNA in maternal circulation (plasma or serum) and coelomic and amniotic fluid in qualitative or quantitative ways. The funding body of this research was the Fetal Medicine Foundation and the research was carried out under the supervision of Dr David Rees, Prof Swee Lay Thein and Prof Kypros Nicolaidis.

Valuable scientific communication skills were gained during patient blood sample collection which entailed working closely with research fellows and patients. The project was explained both in layman's terms for volunteers consent forms, and in greater detail when applying for ethical approval. High managerial skills were required to effectively organise the protocols, train staff and order all the laboratory consumables for this and other projects. Regular oral presentations were given to an audience ranging from students to clinicians and professors.

2006 •

**Genetic Counseling in Practice**, Bertinoro di Romana, Italy  
**Educational Program from European School in Genetic Medicine**

2004 – 2006 •

**King's College London**, London, UK

**Associate of King's College London (AKC)**

3 year diploma from the department of Theological Studies.

Courses included: Ethics (medical and social), Different religious

experiences, The Bible and the Christian doctrine, and Philosophy. This degree improved my understanding of the ethics as seen by people with different religious backgrounds.

- 2001 – 2002 • **University College London**, London, UK  
**MSc in Prenatal Genetics and Fetal Medicine**  
Courses included: Genetics, Fetal Medicine, Prenatal Diagnosis, Human Embryonic Development, Preimplantation Genetic Diagnosis  
MSc. Project on “Preimplantation genetic diagnosis for  $\alpha$  thalassaemia patients” under the supervision of Dr Mary Petrou.
  
- 1998 – 2001 • **King’s College London**, London, UK  
**BSc (Hons) in Molecular Genetics, 2.1**  
Courses included: Molecular genetics, genetic engineering, bioinformatics, gene cloning, human and biochemical genetics, biochemistry of gene expression, medical microbiology, human immunology, regulation of mammalian metabolism, reproduction growth and development, biotechnology, chemistry etc.  
Final year project on “Use of bioinformatics to screen the peripheral benzodiazepine receptor for polymorphisms in schizophrenia” under the supervision of Dr David Collier in Institute of Psychiatry (75%)

## 2. EMPLOYMENT HISTORY

- 2014 – 2019 • **“Safembryo” P.C.**  
Scientific Director, Geneticist, Genetic Counselor
  - Founding member and CEO of company.
  - Offering counselling services regarding NIPT, prenatal diagnosis testing options, infertility and genetic syndromes and inheritance patterns.
  
- 2013 – 2015 • **“Biogonidiaki” P.C.**  
Biologist, Geneticist-Genetic Counselor
  - Full time employment for a research program regarding the infertility and offering genetic counselling services.
  
- 2007 – 2012 • **Geneticist, Genetic Counselor, Bioethics, Freelance**
  - Prenatal Genetics
  - Inherited disorders
  - Inherited cancer
  - Infertility
  - Chromosomal disorders
  - Sexually transmitted disorders
  
- 2002 – 2003 • **Molecular Haematology**, King’s College Hospital, London  
Research Assistant
  - Investigation of the HPFH (hereditary persistence of Hb F) major QTL in order to discover any variations.
  - PCR, Sequencing, RACE, cloning.

### 3. ACADEMIC AND SCIENTEFIC EXPERIENCE

#### 3.1 Undergraduate Teaching

- 2019 – 2020 • **Department of Nutrition and Dietetics, University of Thessaly, Larissa, Greece**  
Adjunct Assistant Professor  
*Biology (1<sup>st</sup> semester )Fully in charge of Theory and Laboratory sessions*
- 2006 – 2020 • **Medical Laboratories Technicians, University of Thessaly former Technological Educational Institute of Thessaly, Larissa, Greece**  
Adjunct Lecturer
- *Medical Biotechnology- Molecular base of genetic disorders (6<sup>th</sup> semester) (2007-19)*  
Laboratory course supervisor, co-author of the published academic book
  - *Biology Genetics (1st semester) (2010-2019)*
  - *Culture media (laboratory and theory) (2<sup>nd</sup> semester) (2010-14)*
  - *Research methodology in biosciences (theory) (7<sup>th</sup> semester) (2008-09)* Organization and teaching of educational material
  - *Medical Microbiology II (6<sup>th</sup> semester) (2006-07)*
- 2007 – 2011 • **Medicine, Medical School, University of Thessaly, Larissa, Greece**  
& 2020  
Adjunct lecturer
- Teaching laboratory sessions for the courses Biology I and II
  - Lecturing for the course Biology II
  - Diagnostic services: HPV DNA test,  $\alpha$ ,  $\beta$  thalassaemias, cystic fibrosis, typing cancer markers (bcr-abl, jak2), thrombophilia testing (MTHFR, PAI, FII, FV)
  - Research area: Prenatal screening, polymorphisms related with bowel disorders, genetic counselling, HPV DNA test
  - Laboratory organization, Ordering consumables
- 2007 – 2014 • **Nursing Department, University of Thessaly, Larissa, Greece**  
Adjunct Lecturer
- *Physiology I - Theory (2013-14)*
  - *Physiology I- Laboratory supervisor (1<sup>st</sup> semester) (2008-13)*
  - *General microbiology – course supervisor (2<sup>nd</sup> semester) (2007-08)*
  - Organization and teaching of educational material

#### 3.2 Postgraduate Teaching

- 2007 – 2020 • **MSc in Reproduction Biology**  
**Medical School, University of Thessaly, Larissa, Greece**  
Adjunct Lecturer

- Lecturing laboratory and theoretical sessions for the course “Prenatal Screening and Diagnosis”
  - Lecturing for the courses “Genetic Syndromes and reproduction” , “Genetic basis of reproduction” and “Genetic Counselling”
  - Organization and teaching of educational material
- 2017 • **MSc in Biomedical and Molecular Sciences in Diagnosis and Cure of diseases.**  
TEI of Thessaloniki and Democritus University, Alexandroupoli, Greece  
Adjunct Lecturer
- Lectures on Noninvasive Prenatal testing.
- 2014 – 2015 • **MSc in Psychic Health Μεταπτυχιακό Πρόγραμμα «Ψυχική Υγεία» Nursing Department,** University of Thessaly, Larissa, Greece  
Adjunct Lecturer
- Lecturing for the course “Psychic Health care based on evidence”
- 2013 – 2015 • **MSc in Human Genetics Medical School,** University of Thessaly, Larissa, Greece  
Adjunct Lecturer
- Lecturing for the course “Prenatal Screening”

### 3.3 Supervisions/Co-supervision of Doctoral Theses

3.3.1 Completed

3.3.2 In Progress

### 3.4 Supervisions/Co-supervision of Master’s Theses

3.4.1 Completed

3.4.2 In Progress

### 3.5 Funding

3.5.1 Competitive International

3.5.2 Competitive National

3.5.3 Other

### 3.6 Participation in International Scientific and Administrative Committees

### 3.7 Membership in International Professional Organizations

Member of ESHRE (European Society of Human Reproduction)

## 4. PUBLICATIONS

### 4.1 Books

#### *Book*

“**Molecular Diagnostics Applications**”, P. Plageras, A. Gerovassili, A. Papaioannou Publisher: P. Ch. Paschalidis (2011) .ISBN 978-960-489-188-7 (Suggest academic textbook at Democritus University of Thrace, and University of Thessaly)

<http://www.brokenhill.com.cy/product/papaioannou-gerovasili-plageras-efarmoges-moriakis-diagnostikis/>

*Ebook*

**“Specialization in Molecular Biology”**, A. Gerovassili (2015)

Electronic book for the educational program: "Specialization in Clinical Laboratory Diagnostics in the Field of Molecular Biology

*PhD Thesis*

Investigations into the use of fetal cell-free DNA in maternal circulation for non-invasive prenatal diagnosis **Ageliki Gerovassili | King's College, London. Guy's, King's and St. Thomas's School of Medicine. 2007 | London : University of London**  
<https://catalogue.libraries.london.ac.uk/record=b2973831~S16>

4.2 Book Chapters

4.3 Articles in International Peer-Reviewed Journals Indexed in Bibliographical Databases

1. Gerovassili A, Marcandona O, Asimakopoulos B, Karavasilis V, Panopoulou M, Ikonomidis A. Relationship between chlamydia-ureaplasma-mycoplasma genital detection with semen concentration and motility among Greek men. *Int J Fertil Steril.* 2017; 11(2): 130-133. doi: 10.22074/ijfs.2017.4690. **(IF:0.98, CI:2)**
2. Manolakis AC, Kapsoritakis AN, Tiaka EK, Sidiropoulos A, Gerovassili A, Satra M, Vamvakopoulou D, Tsiopoulos F, Papanas N, Skoularigis I, Potamianos SP, Vamvakopoulos N. TLR4 gene polymorphisms: evidence for protection against type 2 diabetes but not for diabetes-associated ischaemic heart disease. *Eur J Endocrinol.* 2011 Aug;165(2):261-7. **(IF:3.482, CI:25)**
3. Manolakis, A.C., Kapsoritakis, A.N., Tiaka, E.K., Satra, M., Gerovassili, A., Tsiompanidis, I., Vamvakopoulos, N., Potamianos, S.P. Impact of TLR-4 polymorphisms on circulating levels of antibodies against *Helicobacter pylori* (2010) *Helicobacter*, 15 (5), pp. 481-482. **(IF:2.851, CI: 3)**
4. Makrydimas G, Gerovassili A, Sotiriadis A, Kavvadias A, Nicolaidis KH. Cell-free fetal DNA in celomic fluid. *Ultrasound Obstet Gynecol.* 2008 Sep;32(4):594-5. **(IF:2.288, CI:4)**
5. Thein SL, Menzel S, Peng X, Best S, Jiang J, Close J, Silver N, Gerovasilli A, Ping C, Yamaguchi M, Wahlberg K, Ulug P, Spector TD, Garner C, Matsuda F, Farrall M, Lathrop M. Intergenic variants of HBS1L-MYB are responsible for a major quantitative trait locus on chromosome 6q23 influencing fetal hemoglobin levels in adults. *Proc Natl Acad Sci U S A.* 2007 Jul 3; 104(27):11346-51. **(IF:9.64, CI:195)**
6. Lo YMD, Tsui NBY, Chiu RWK, Lau TK, Leung T N, Heung MMS, Gerovassili A, Jin Y, Nicolaidis KH, Cantor CR, Ding C. Plasma placental RNA allelic ratio permits noninvasive prenatal detection of fetal chromosomal aneuploidy. *Nature Medicine* 2007, Feb;13(2):218-23 **(IF:28.588, CI:291)**
7. Gerovassili A, Garner C, Nicolaidis KH, Thein SL, Rees DC. Free fetal DNA in maternal circulation: a potential prognostic marker for chromosomal abnormalities? *Prenatal diagnosis* 2006, Dec 7;27(2):104-110 **(IF:1.514, CI:21)**
8. Gerovassili A, Nicolaidis KH, Thein SL, Rees DC. Cell free DNA levels in pregnancies at risk of sickle cell disease and significant ethnic variation. *British Journal of Haematology* 2006, Dec; 135(5):738-41. **(IF:4.498, CI:10)**
9. Chan KCA, Ding C, Gerovassili A, Yeung SW, Chiu RWK, Leung TN, Lau TK, Chim SSC, Chung GTY, Nicolaidis KH, Lo YMD Hypermethylated *RASSF1A* in maternal

- plasma: A universal fetal DNA marker that improves the reliability of noninvasive prenatal diagnosis. *Clinical Chemistry* 2006, Dec; 52(12):2211-8. **(IF:5.454, CI:249)**
10. Tong YK, Ding C, Chiu RWK, Gerovassili A, Chim SSC, Leung TY, Leung TN, Lau TK, Nicolaides KH, Lo YMD. Non invasive prenatal detection of fetal trisomy 18 by epigenetic allelic ratio analysis in maternal plasma: theoretical and empirical considerations. *Clinical Chemistry* 2006, Dec; 52(12):2194-202. **(IF:5.454, CI:115)**
  11. Falcon O, Auer M, Gerovassili A, Spencer K, Nicolaides KH. Screening for trisomy 21 by fetal tricuspid regurgitation, nuchal translucency and maternal serum free beta-hCG and PAPP-A at 11 + 0 to 13 + 6 weeks. *Ultrasound Obstetrics & Gynecology*. 2006 Feb; 27(2): 151-5. **(IF:2.288, CI:63)**
  12. Close J, Game L, Clark B, Bergounioux J, Gerovassili A, Thein SL. Genome annotation of a 1.5 Mb region of human chromosome 6q23 encompassing a quantitative trait locus for fetal hemoglobin expression in adults. *BMC Genomics*. 2004 May 31; 5(1):33. **(IF:4.029, CI:40)**

*(IF= Impact Factor, CI=Citation Index [SCOPUS])*

#### 4.4 Articles not Indexed in Bibliographical Databases

#### 5. REFEREED INTERNATIONAL CONFERENCE PRESENTATIONS

1. 10th Panhellenic Conference Hellenic Society of Fetal Medicine, Volos, June 2018, Presenter
2. 2nd Panhellenic Conference of the Association of Medical Geneticists of Greece, Athens, November 2016, Author 1 poster
3. 6th Panhellenic Ultrasound Conference in Obstetrics and Gynecology, Thessaloniki, October 2016, Presenter
4. 28th World Congress of Pediatrics, Vancouver Canada, August 2016, Author in 2 posters
5. 9th Panhellenic Conference on of Fetal Medicine, Nafplio, June 2016, Presenter
6. 18th Panhellenic Conference of Perinatal, Athens, October 2015, Presenter
7. 13th Panhellenic Congress of Obstetrics and Gynecology, Volos, May 2015, Author in 2 posters
8. 5th Panhellenic Conference of Technological Medical Laboratories, Athens, May 2015, Author in 1 presentation
9. 30th opening Urology Conference, Madrid, March 2015, Author in 1 presentation
10. 52nd Panhellenic Pediatric Conference, Rhodes, June 2014, Author in 1 poster
11. Conference on Education and Health Promotion of Children and Adolescents, Volos, June 2010, Presenter
12. 28th Annual Conference of the European Society of Pediatric Infectious Diseases, Nice, France, May 2010, Author in 2 posters
13. 6th World Congress of Pediatric Infectious Diseases, Buenos Aires Argentina, November 2009, Author in 2 posters
14. Gastro 2009, London, November 2009, Author in 1 poster
15. 4th Europaediatrics, Moscow, Russia, July 2009, Author in 3 posters
16. 34th FEBS Congress, Prague, July 2009, Author in poster
17. 12th Panhellenic Conference on Psychological Research, Volos, May 2009, Author in 2 free announcements and 1 poster
18. 3rd Panhellenic Conference of the Hellenic College of Pediatricians, Alexandroupolis, March 2009, Author in 1 free announcement

19. 2nd Intensive Seminar of Adolescent Medicine, Athens, March 2009, Representative with participation in 1 free announcement
  20. 3rd Panhellenic Conference of Chronic Patient Care Scientists, Larissa, November 2008, Presenter
  21. European society for social pediatrics annual meeting, Reykjavik, Iceland, October 2008, Author in 1 poster
  22. 20th Panhellenic Conference of the Hellenic Society of Social Pediatrics and Health Promotion, Kalambaka, September 2008, Author in 1 free announcement
  23. 14th European Conference of the International Society for Adolescent Health, Portoroz, September 2008, Representative with 1 poster
  24. XXI European Conference on Perinatal Medicine, Constantinople, September 2008, Representative with participation in 1 free press
  25. 13th World Infectious Diseases Community Conference, Kuala Lumpur, June 2008, Representative with participation in 3 free announcements
  26. 3rd Europaediatrics Conference, Istanbul, June 2008, Representative with participation in 3 free announcements
  27. 46th Panhellenic Pediatric Conference, Corfu, June 2008, Representative with participation in 3 free announcements
  28. 26th Annual Meeting of the European Community for Pediatric Infectious Diseases, Graz, May 2008, Representative with participation in 2 free announcements.
  29. 2nd Conference of Chronic Patient Care Scientists, Larissa, November 2007, Presenter, and participation with 3 free announcements and 1 poster
  30. 19th Panhellenic Conference "Child-Family in the 21st Century", Karditsa, October 2007, Representative with participation in 3 free announcements and 1 poster
  31. 47th Annual Scientific Conference of the British Hematology Community, Bournemouth, May 2007, Presenter
  32. 48th Annual Conference and Report of the American Society of Hematology, Orlando, December 2006, Author in 2 Free Announcements
  33. 7th Seminar: Genetic counseling in practice, European Institute of Genetics, Bologna, November 2006, poster presentation
  34. 34th British Conference on Human Genetics, York, September 2006, poster presentation.
  35. 35th 15th Conference on Hemoglobin Mutation, Oxford, September 2006, Author in 1 free announcement.
  36. Postdoctoral Research Symposium, London, July 2006, Presenter
37. INVITED PRESENTATIONS
1. 9th Panhellenic Conference EFYKE, Volos, December 2017, Presenter.
  2. 8th Panhellenic EFYKE Conference, Volos, December 2016, Presenter.
  3. Conference on Learning Disabilities, Limassol, Cyprus, Presenter
  4. 7th Panhellenic Conference EFYKE, Volos, December 2015, Presenter
  5. 5th Panhellenic EFYKE Conference, Volos, October 2012, Presenter
  6. 4th Panhellenic EFYKE Conference, Volos, October 2012, Presenter
  7. 3rd Panhellenic EFYKE Conference, Limassol, Cyprus, September 2010, Author in 1 poster
  8. 2nd Panhellenic Conference EFYKE, Volos, October 2009, Presenter

9. 3rd conference "Current-Urgent Medical and Social Issues and Issues of Infections and Prevention", Volos, December 2007, Presenter

1. ADMINISTRATIVE EXPERIENCE

2. MISCELENAOUS

**REVIEWER**

1. Reviewer for Human Reproduction (Official journal of ESHRE)
2. Member of editorial board of Interscientific Journal of Health Care (University of Thessaly, Medical School and Nursing department)