

NUME SI PRENUME: GAI ELENA

STR.DREPTATEA, NR.18, LOC.TIMISOARA, COD POSTAL 300457, ROMANIA

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SEX: FEMININ, DATA NASTERII: 12.03.1967, NATIONALITATEA: ROMANA

EXPERIENȚA
PROFESIONALĂ

Biolog principal, specialitatea imunologie clinica conform Ordinului MS nr.856/30.06.2004,Bucuresti

Biolog specialist, specialitate imunologie clinica conform Ordinului MS nr.400/11.06.1999,Bucuresti

LOC DE MUNCA

Din 07.05.2015 – coordonator la nivelul Spitalulu Clinic Judetean de Urgenta „Pius Brnzeu” Timisoara pentru realizarea P.N de transplant de organe, tesuturi si celule de origine umana si a Subprogramului de transplant de celule stem hematopietice periferice si centrale

Din septembrie 2013 – coordonator al compartimentului HLA, Centrul Regional Imunologie de Transplant, Spital Clinic de Urgenta „ Pius Brnzeu”, Timisoara

Din ianuarie 2000 - prezent, biolog principal, imunologie clinica in cadrul Centrului Regional de Imunologie de Transplant, Spital Clinic de Urgenta „Pius Brnzeu”, Timisoara

Iunie 1994 – decembrie 1999, biolog specialist, imunologie clinica sectia Hemodializa si Transplant Renal, Spital Clinic de Urgenta „Pius Brnzeu”, Timisoara

Activitati si responsabilitati: efectuarea de analize de histocompatibilitate HLA intre donor si receptor in vederea realizarii transplantului medular sau de organe, efectuarea de analize HLA la potentialii donori inscrisi in Registrul National al Donatorilor Voluntari de Celule Hematopietice Centrale si Periferice, interpretare, parafare si validare rezultate

Sector de activitate: Compartiment HLA- teste compatibilitate HLA

EDUCATIE

2008-2011 „Scoala de Cursuri Doctorale” UMF Timisoara cu sustinerea tezei de doctorat „ Corelatia dintre HLA high resolution si patologia cronica a populatiei din vestul Romaniei” cu obtinerea titlului de doctor in medicina.

1987 -1993 Facultatea de Biologie, Universitatea Bucuresti

1981 -1985 Liceul de Matematica-Fizica Caransebes

FORMARE

22.10-14.11.2025 - „ Etica si integritate in sistemul de sanatate”, platforma www.perfmed.ro

03.03-15.03.2025 – „Actualitati in fiziopatologia, diagnosticul de laborator si paraclinic al patologiei varstnicului” UMF Timisoara,

7.03-16.03.2024: Curs toretic si practic de tehnici de cultivare a celulelor in vitro in 2D si 3D, UMF Timisoara,

26.01-03.03.2023: „Rolul diagnosticului microbiologic in prevenirea si limitarea rezistentei la antibiotice si a infectiilor asociate asistentei medicale” UMF Timisoara,
 12-14 mai 2017 Managementul donatorului de celule stem hematopoietice: actualitati privind standardele RNDVCSH, Bucuresti, Romania
 07 iunie 2016 Curs: Actualizarea procedurii de lucru nivelul laboratoarelor HLA, Bucuresti, Romania
 09-10 iunie 2014 Standardele internationale pentru testarea HLA a donatorilor voluntari de celule stem hematopoietice, Bucuresti, Romania
 23-28 aprilie 2012 „Aspecte de etica si siguranta privind aplicatii clinice cu celule stem” din cadrul Cursului „Terapii regenerative prin transplant de celule”, Timisoara, Romania
 12 decembrie 2012 TIC: „Managementul Retelei RNDVCSH, Codificare si Etichetare ISBT 128”, Bucuresti, Romania
 24-30 ianuarie 2009 Schimb experienta privind tiparea HLA prin tehnici de biologie moleculara SSO si SSP, Viena, Austria
 15-17 mai 2008 „Tehnici moderne de biochimie si biologie moleculara in laboratorul clinic”, UMF Timisoara, Romania
 19 aprilie 2007 cursul „Bazele celulare si moleculare ale angiogenezei si limfangiogenezei in conditii normale si patologice. Implicatii prognostice si terapeutice in patologia neoplazica”, UMF Timisoara, Romania
 Martie 2006: Simpozion de Histocompatibilitate si Imunogenetica, Institut Fundeni, Bucuresti
 08-10 noiembrie 2005 „Workshop meeting for Central/East European experts on Bone Marrow Donor Registries and HLA typing laboratories, Budapesta, Ungaria
 1-05 octombrie 2002 curs „Atelier de Imunologie Fundamentala”, Bucuresti
 Martie 2000 participare curs: Actualitati in tiparea HLA serologica si cross-match, Bucuresti, Romania
 Martie 1997 participare curs: HLA tipare serologica, Institutul National de Hematologie, Bucuresti, Romania

Limba(i) maternă(e)

Romana

Alte limbi străine cunoscute

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	A1/2	A1/2	-	A1/2
Franceza	A1/2	A1/2		

Competențe comunicare

- bune competențe de comunicare dobândite prin experiența de participare la work-shopuri si simpozioane

Competențe informatice • o bună cunoaștere a instrumentelor Microsoft Office™

Permis de conducere permis de categoria B

Publicatii:

- 1. Relationship between HLA A*02 A*03 association and the risk of childhood acute, Elena Gai**, Alexandra Gruia, Florina Boldeanu, Mirabela Cristea, Margit Serban, Smaranda Arghirescu, Cristian Jinca, Calin Tatu, Loredana Balint Gib, Valentin Ordodi, V. Paunescu, Analele Stiintifice ale Universitatii Alexandru Ioan Cuza, Sectiunea Genetica si Biologie Moleculara, XI(2-3),2010, pg.61-65, ISSN 1582-3571
- 2. The history of HLA and its related diseases, Elena Gai**, Alexandra Gruia, Mirabela Cristea, Florina Bojin, Margit Serban, Smaranda Arghirescu, Cristian Jinca, Loredana Balint Gib, Valentin Ordodi, Calin Tatu, Victor Dumitrascu, Gabriela Tanasie, Virgil Paunescu, Fiziologia - Physiology 2010.20.4(68), pg.4-8, ISSN 1223-2076
- 3. DRB1 Allele Frequency in a population Group from the Western Part of Romania, Elena Gai**, Diana Lungeanu, Alexandra Gruia, Florina Boldeanu, Mirabela Cristea, Margit Serban, Smaranda Arghirescu, Cristian Jinca, Loredana Balint Gib, Valentin Ordodi, Victor Dumitrascu, Florina Bojin, Calin Tatu, Virgil Paunescu, Fiziologia - Physiology 2010.20.4(68), pg.36-38, ISSN 1223-2076
- 4. Aristolochia clematitis in medicine: the good and the bad**, Mirabela I. Cristea, Alexandra T. Gruia, Simona Anghel, Elena Gai, Calin A. Tatu, Virgil Paunescu, Fiziologia - Physiology 2010.20.1(65), pg. 26-28, ISSN 1223-2076
- 5. Adhesion behavior and functional studies on normal and tumoral cells exposed to *Aristolochia clematitis* aqueous extracts**, Mirabela Cristea, Alexandra Gruia, Florina Bojin, Elena Gai, Moica Violeta, Florina Boldeanu, Gabriela Tanasie, Calin Tatu, Virgil Paunescu, Analele Științifice ale Universității „Alexandru Ioan Cuza” din Iași, Secțiunea Genetică și Biologie Moleculară, TOM XI(2-3), 2010, pg 107-113, ISSN 1582-3571
- 6. Aristolochia clematitis in traditional medicine recipes: toxin or remedy?**, Mirabela I. Cristea, Alexandra T. Gruia, Valentin L. Ordodi, Oana I. Gavriluc, Ileana Scurtu, Violeta Moica, Simona Anghel, Florin Margineanu, Nikola Pavlovic, Elena Gai, Victor Dumitrascu, Fabian Tatu, Virgil Paunescu, Calin A. Tatu, Central European Journal of Occupational and Environmental Medicine, 2009; Vol. 15, No 1-2; 7-18
- 7. Transplantul de celule stem hematopoietice in actualitatea pediatrica din Romania, S.Arghirescu, C.Jinca, A.Oprisoni, A.Isac, V.Ordodi, M.Baica, E.Gai**, M.Serban, Oncolog-hematolog.ro 2009, Anul III nr.9 4/2009 pg.54-64
- 8. Epurarea apelor reziduale care contin melphalan cu ajutorul unui reactor electrochimic cu densitati de curent asimetrice**, V.Ordodi, Alina Dumitrel, Alexandra Gruia, M.Iacob, F.Mic, Andrada Oprisoni, Loredana Gib Balint, Elena Gai, Delia Perju, Revista de Chimie, 2010, volum 61 nr.9, pg.857-861
- 9. Transplantul de celule stem hematopoietice in actualitatea pediatrica din Romania . referat**, S.Arghirescu, C.Jinca, A.Oprisoni, A.Isac, V.Ordodi, M.Baica, E.Gai, M.Serban, Pediatru.ro, Anul V nr.15 3/2009, pg.16-24
- 10. The frequency of HLA alleles the Romanian population**, I.Constantinescu, V.Boscaiu, P.Cianga, A. Dinu, E.Gai, M.Melinte, A. Moise, Immunogenetics 2016

Mar; 68 (3); 167-78,doi: 10.1007/s00251-015-0891-9, Epub 2015 Dec. 28

11. HLA Class I and Class II alleles and haplotypes frequencies patients with hematological diseases in the in western part of Romania, Elena Gai, D.Lungeanu, S. Arghirescu, M.Gherman, A. Ciortan, A.Tunea, C. Calma, V.Paunescu, Fiziologia –Physiology 2019, Supplement 1,pag.36

Rezumate:

- 1. Functional studies on normal and tumoral cells exposed to defferent concentrations of *Aristolochia clematitis* aqueous extracts**, Mirabela Cristea, Alexandra Gruia, Florina Bojin, Elena Gai, Oana Gavriiuc, Calin Tatu, Virgil Paunescu, Joint Meeting of Immunology and Clinical Allergology, 28 april – 1 May, 2010, Sibiu, Abstract book pg. 28, ISBN 978-973-88744-3-5
- 2. Immunophenotypic characterization of several tumoral cell lines and cytotoxicity evaluation of certain antitumoral compounds by alamar blue assay:** Alexandra Gruia, Florina Bojin, Mirabela Cristea, V. L. Ordodi, Oana Gavriiuc, Elena Gai, Simona Anghel, Adriana Rosca, C. Tatu, V. Paunescu, Joint Meeting of Immunology and Clinical Allergology, 28 april – 1 May, 2010, Sibiu , Abstract book pg. 28, ISBN 978-973-88744-3-5
- 3. Screening of cytotoxic antibodies for the renal transplant.**Elena Gai, Alexandra Gruia, Florina Boldeanu, Florina Bojin, C. Tatu, O. Golea, Anca Mates, V. Paunescu, The 6th Balkan Congress of Immunology of Bais/ The 40th National Conference of RSI, 28 April - 1 May 2010, Sibiu, Join meeting of immunology and clinical allergology, 2010, Abstract book pg.11-12, ISBN 978-973-88744-3-5
- 4. Relationship HLA A*02 A*allele and the risk of childhood acute leukemia.**Elena Gai, Alexandra Gruia, Florina Boldeanu, Margit Serban, Smaranda Arghirescu, C. Jinca, C. Tatu, Loredana Balint Gib, V. Ordodi, V. Paunescu, The 6th Balkan Congress of Immunology of Bais/ The 40th National Conference of RSI, 28 April - 1 May 2010, Sibiu, Abstract book pg. 27 ISBN 978-973-88744-3-5
- 5. Study of the genetic pre-dispozition in children with diabetogenic risk.** P.I. Velea, C. Paul. E. Gai, V. Paunescu, C. Ilie, I. Tamasan, I. Popa. Abstract for the 34th annual meeting of the International Society for Pediatric and Adolescent Diabetes (ISPAD), Durban, South Africa 13-16 August 2008. Pediatric Diabetes 2008, 9 (Supplement.10):53.
- 6. Frecventa alelelor HLA in Romania**, Ileana Constantinescu, P. Cianga, Elena Gai, Mihaela Melinte. A 3-a Conferinta a Asociatiei Laboratoarelor Medicale din Romania cu participare internationala, 27-30 Iunie, 2007.

Conferinte:

26th November, 2022: Annual EFI Region & Balkan EPT Meeting Skopje, Republic of North Macedonia,

8 – 11 May 2019: 33th European Immunogenetics and Histocompatibility, Conference Lisbona, Portugal

9-12 May 2018: 32th European Immunogenetics and Histocompatibility, Conference Venice, Italy

11-14 May 2016: 30th European Immunogenetics and Histocompatibility, Conference Koss Island,

26 -29 April 2015: 29th European Immunogenetics and Histocompatibility, Conference Geneva,

Switzerland

25 -28 June 2014: 28th European Immunogenetics and Histocompatibility, Conference Stockholm, Sweden

28 May-3 June 2012: 26th European Immunogenetics and Histocompatibility, Conference Liverpool, England

3 December 2011: Annual Balkan EPT- Region 8 Meeting, Bucharest, Romania

5-8 May 2010: 24th European Immunogenetics and Histocompatibility, Conference Florence, Italy

9-12 May 2009: European Immunogenetics and Histocompatibility, Conference Ulm, Germany

2-5 April 2008: European Immunogenetics and Histocompatibility, Conference Toulouse, France

5-8 May 2007: European Immunogenetics and Histocompatibility, Conference Barcelona, Spain

20-23 November 2006: European Immunogenetics and Histocompatibility, Conference Athenes, Greece

23-26 October 2002: Romtransplant International Congres, Targu-Mures, Romania

Membru al asociatiilor profesionale: Federatia Europeana de Imunogenetica (EFI)
 Ordinul Biochimistilor, Biologilor, Chimistilor in Sistemul Sanitar din Romania (OBCSSR)

Proiecte cercetare: 4

Project/Program	Position held	Period
Tumor-associated fibroblasts as novel target in anti-tumoral therapy-identification of origin, role and characteristic molecular markers, PNII-IDEI UEFISCDI No.318/2011	Team member	2012-2014
Genetic engineering of tumor stem cells for immunomodulation in cancer of non-viral origin (ONCOSTEM), PNII/Partnerships Module No.41-019/2007	Team member	2007-2009
Molecular mechanisms involved in cardiac pre-conditioning using volatile anesthetics: from identification of molecular targets in rat myocardium to identification of mechanism mediating protective effect on human myocardium (PRISME) CEEX-Viasan No.134/2006	Team member	2006-2008
Development of tissue bioengineering techniques for osteoarticular and myocardial reconstruction (MATNANTECH) No.162/303/2003	Team member	2003-2007

