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IOANA STREATA

Date of birth: 25/12/1987 | **Nationality:** Romanian | **Gender:** Female | **Email address:** ioana.streata@umfcv.ro | **Website:** www.geneticamedicala.ro | **Address:** Romania (Work)

ABOUT ME

I am a medical geneticist with ten years of experience in clinical and molecular diagnostic of rare genetic disorders and genetic counseling. I am interested to improve my medical knowledges to be able to offer the proper diagnostic and clinical and therapeutical management to Romanian patients.

WORK EXPERIENCE

UNIVERSITY OF MEDICINE AND PHARMACY FROM CRAIOVA – CRAIOVA, ROMANIA

ASSOCIATE PROFESSOR - DEPARTMENT OF CELL AND MOLECULAR BIOLOGY, – 2023 – CURRENT

Teaching and research activities.

UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA – CRAIOVA, ROMANIA

UNIVERSITY LECTURER – DEPARTMENT OF CELL AND MOLECULAR BIOLOGY – 2021 – 2023

Teaching and research activities.

UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA – CRAIOVA, ROMANIA

ASSISTANT PROFESSOR - DEPARTMENT OF CELL AND MOLECULAR BIOLOGY, – 2017 – 2021

Teaching and research activities.

HUMAN GENOMICS LABORATORY, UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA, – CRAIOVA, ROMANIA

RESEARCHER – 2013 – CURRENT

Basic and clinical research activities

REGIONAL CENTRE OF MEDICAL GENETICS DOLJ, EMERGENCY COUNTY HOSPITAL CRAIOVA – CRAIOVA

SENIOR MEDICAL GENETICIST – 2021 – CURRENT

Diagnosis, genetic counseling and pre/postnatal management of genetic diseases. Clinical management of patients and their families with rare or low prevalence complex diseases or conditions. Since 2023, coordinator of Expertise Center in integrated management of achondroplasia and genetic skeletal dysplasias.

REGIONAL CENTRE OF MEDICAL GENETICS DOLJ, EMERGENCY COUNTY HOSPITAL CRAIOVA – CRAIOVA, ROMANIA

MEDICAL GENETICS SPECIALIST – 2017 – 2021

Diagnosis, genetic counseling and pre/postnatal management of genetic diseases. Clinical management of patients and their families with rare or low prevalence complex diseases or conditions.

REGIONAL CENTRE OF MEDICAL GENETICS DOLJ, EMERGENCY COUNTY HOSPITAL CRAIOVA – CRAIOVA, ROMANIA

RESIDENT PHYSICIAN IN MEDICAL GENETICS – 2013 – 2016

Training and education programs in diagnosis, genetic counseling and pre/postnatal management of genetic diseases. Clinical management of patients and their families with rare or low prevalence complex diseases or conditions.

IMMUNOLOGY DEPARTMENT, MAX PLANCK INSTITUTE FOR INFECTION BIOLOGY, – BERLIN, GERMANY

VISITING RESEARCHER, - 2015 - 2016

Research activities in immunology field.

EDUCATION AND TRAINING

2017 - 2018 Craiova, Romania

MASTER OF SCIENCE - HEALTH SERVICES MANAGEMENT, "QUALITY IN CLINICAL GENETICS SERVICES IN ROMANIA - PRESENT AND PERSPECTIVES", SCIENTIFIC COORDINATOR ASSOC. PROF. DR. MIRELA SÎRBU, University of Medicine and Pharmacy of Craiova

Address Petru Rares Street No 2, 200349, Craiova, Romania | **Website** www.umfcv.ro

2012 - 2016 Craiova, Romania

PHD IN MEDICINE - RESEARCH DIRECTION: GENETICS OF GLOBAL DEVELOPMENTAL DELAY. PHD THESIS: MOLECULAR ASSESSMENT IN GLOBAL DEVELOPMENTAL DELAY AND INTELLECTUAL DISABILITY University of Medicine and Pharmacy of Craiova

Address Petru Rares Street No 2, 200349, Craiova, Romania | **Website** www.umfcv.ro

2006 - 2012 Craiova

MEDICAL DOCTOR - GRADUATED AS VALEDICTORIAN, FACULTY OF MEDICINE, University of Medicine and Pharmacy of Craiova

Address Petru Rares Street No 2, 200349, Craiova | **Website** wwww.umfcv.ro

2002 - 2006 Craiova, Romania

HIGH SCHOOL DIPLOMA "Nicolae Titulescu" National College

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
SPANISH	B2	B2	B2	B2	B2
GERMAN	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Social Media | Microsoft Powerpoint | Google Drive | Facebook | Instagram | Google Docs | Zoom

PUBLICATIONS

Șerban RC, Mituț-Velișcu AM, Costache A, Cima LN, Niculescu C, Moroșanu A, Riza AL, Streață I. STAG1 Disease, Central Precocious Puberty, and Bone Fragility-A Case Report. Diagnostics (Basel). 2025 Apr 24;15(9):1076. doi: 10.3390/diagnostics15091076. PMID: 40361893; PMCID: PMC12071562.

Costache A, Riza AL, Popescu M, Șerban RC, Mituț-Velișcu AM, Streață I. Diagnostic Challenges in Bone Fragility: Osteogenesis Imperfecta Case Series. Biomedicines. 2025 Apr 3;13(4):865. doi: 10.3390/biomedicines13040865. PMID: 40299462; PMCID: PMC12025295.

Quinn S, Walsh N, Streata I, Ververi A, Kulshrestha S, Puri RD, Riza AL, Walsh A, Gorman K, Crushell E, Green A, Kenny J, Lynch SA. Catalogue of inherited autosomal recessive disorders found amongst the Roma population of Europe. Eur J Med Genet. 2025 Feb;73:104989. doi: 10.1016/j.ejmg.2024.104989. Epub 2024 Dec 19. PMID: 39709002.

Aksu MD, van der Ent T, Zhang Z, Riza AL, de Nooijer AH, Ricaño-Ponce I, Janssen N, Engel JJ, Streata I, Dijkstra H, Lemmers H, Grondman I, Koeken VACM, Antoniadou E, Antonakos N, van de Veerdonk FL, Li Y, Giamarellos-Bourboulis EJ, Netea MG, Ziogas A. Regulation of plasma soluble receptors of TNF and IL-1 in patients with COVID-19 differs from that observed in sepsis. J Infect. 2024 Dec;89(6): 106300. doi: 10.1016/j.jinf.2024.106300. Epub 2024 Sep 30. PMID: 39357572; PMCID: PMC11624491.

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Streață I, Caramizaru A, Riza AL, Șerban-Sosoi S, Pîrvu A, Cara ML, Cucu MG, Dobrescu AM, Ro-Nmca-Id Group, CExBR Pediatric Neurology Obregia Group, CExBR Pediatric Neurology V Gomoiu Hospital Group, Shelby ES, Albeanu A, Burada F, Ioana M. Pathogenic Copy Number Variations Involved in the Genetic Etiology of Syndromic and Non-Syndromic Intellectual Disability-Data from a Romanian Cohort. Diagnostics (Basel). 2022 Dec 12;12(12):3137. doi: 10.3390/diagnostics12123137. PMID: 36553144; PMC9777762.

Riza AL, Streață I, Roza E, Budișteanu M, Iliescu C, Burloiu C, Dobrescu MA, Dorobanțu S, Dragoș A, Grigorescu A, Tătaru T, Ioana M, Teleanu R. Phenotypic and Genotypic Spectrum of Early-Onset Developmental and Epileptic Encephalopathies-Data from a Romanian Cohort. Genes (Basel). 2022 Jul 15;13(7):1253. doi: 10.3390/genes13071253. PMID: 35886038; PMCID: PMC9322987.

F. Burada, Ioana Streata, Anda Ungureanu, D. Ruican, Rodica Nagy, Simona Serban-Sosoi, Danai Stambouli, Luiza Dimos, Gabriela Popescu-Hobeanu, M. Ioana, D. Iliescu. Prenatal diagnosis of a pure 15q distal trisomy derived from a maternal pericentric inversion: A case report. Experimental and Therapeutic Medicine. 2021; 21(4): 1. https://doi.org/10.3892/etm.2021.9735, IF = 1,785

Roza E, Streață I, Șoșoi S, Burada F, Puiu M, Ioana M, Teleanu RI. A 14q31.1-q32.11 deletion case: Genotype – Neurological Phenotype Correlations in 14q interstitial deletion syndrome. Rom Biotechnol Lett. 2020; 25(3): 1677-1682. doi: 10.25083/rbl/25.3/1677.1682, IF = 0,590

Tripon, F.; Bogliș, A.; Micheu, C.; Streață, I.; Bănescu, C. Pitt-Hopkins Syndrome: Clinical and Molecular Findings of a 5-Year-Old Patient. Genes 2020, 11,596, https://doi.org/10.3390/genes11060596, IF = 3,759

Lozza L, Moura-Alves P, Domaszewska T, Lage Crespo C, Streata I, Kreuchwig A, Puyskens A, Bechtle M, Klemm M, Zedler U, Silviu Ungureanu B, Guhlich-Bornhof U, Koehler AB, Stäber M, Mollenkopf HJ, Hurwitz R, Furkert J, Krause G, Weiner J 3rd, Jacinto A, Mihai I, Leite-de-Moraes M, Siebenhaar F, Maurer M, Kaufmann SHE. The Henna pigment Lawsone activates the Aryl Hydrocarbon Receptor and impacts skin homeostasis. Sci Rep. 2019 Jul 26;9(1):10878. doi: 10.1038/s41598-019-47350-x, ISI (IF = 4,011)

Agrawal N, Streata I, Pei G, Weiner J, Kotze L, Bandermann S, Lozza L, Walzl G, du Plessis N, Ioana M, Kaufmann SHE, Dorhoi A, Human Monocytic Suppressive Cells Promote Replication of Mycobacterium tuberculosis and Alter Stability of in vitro Generated Granulomas. Front Immunol., Nr. 9, Vol. 2417, 2018, 1-19, IF= 3.35

Liehn EA, Ponomariov V, Diaconu R, Streata I, Ioana M, Crespo-Avilan GE, HernándezReséndiz S, Cabrera-Fuentes HA., Apolipoprotein E in Cardiovascular Diseases: Novel Aspects of an Old-fashioned Enigma. Archives of Medical Research, S0188-4409(18), 30428-4., 2018, 1-8, IF=2,024

Cartana ET, Gheonea DI, Cherciu IF, Streaţa I, Uscatu CD, Nicoli ER, Ioana M, Pirici D, Georgescu CV, Alexandru DO, Şurlin V, Gruionu G, Săftoiu A., Assessing tumor angiogenesis in colorectal cancer by quantitative contrast-enhanced endoscopic ultrasound and molecular and immunohistochemical analysis; Endosc Ultrasound. 2017 Jul 6. doi: 10.4103/eus.eus_7_17, PMID:28685747, IF = 2,728

Alexandru Daniel Jurcă, Kinga Kozma, Mihai Ioana, Ioana Streaţă, Codruţa Diana Petcheşi, Marius Bembea, Maria Claudia Jurcă, Emilia Albiniţa Cuc, Cosmin Mihai Vesa, Camelia Liana Buhaş, Morphological and genetic abnormalities in a Jacobsen syndrome, Rom J Morphol Embryol, Nr. 4, Vol. 58, 2017, 1531-1534, IF= 0.912

Pădureanu V, Boldeanu MV, Streaţă I, Cucu MG, Siloşi I, Boldeanu L, Bogdan M, Enescu AŞ, Forţofoiu M, Enescu A, Dumitrescu EM, Alexandru D, Şurlin VM, Forţofoiu MC, Petrescu IO, Petrescu F, Ioana M, Ciurea ME, Săftoiu A, Determination of VEGFR-2 (KDR) 604A>G Polymorphism in Pancreatic Disorders; Int J Mol Sci. 2017 Feb 17;18(2). pii: E439. doi: 10.3390/ijms18020439, IF = 3,226

Mihai Gabriel Cucu#, Ioana Streata# , Anca Lelia Riza# Alina Liliana Cimpoeru, Simona Serban Sosoi et al, Polymorphisms in autophagy genes and active pulmonary tuberculosis susceptibility in Romania; Romanian Journal of Laboratory Medicine, No.1, Vol. 25, 2017, 47 – 53, IF = 0,143

Streata I, Weiner J, 3rd, Iannaconne M, McEwen G, Ciontea MS, Olaru M, Capparelli R., Ioana M., Kaufmann S.H.E., Dorhoi A., The CARD9 Polymorphisms rs4077515, rs10870077 and rs10781499 Are Uncoupled from Susceptibility to and Severity of Pulmonary Tuberculosis. PloS One. Nr 11, Vol 9, 1-10, 2016, ISSN 1932-6203, IF= 3.057

Burada, F., Ciurea, M. E., Nicoli, R., Streata, I., Vilcea, I. D., Rogoveanu, I., & Ioana, M., ATG16L1 T300A Polymorphism is Correlated with Gastric Cancer Susceptibility. Pathology & Oncology Research, Nr. 2, Vol. 1, 2015, 317 -322, IF=.1.94

Sosoi, S., Streata, I., Tudorache, S., Burada, F., Siminel, M., Cernea, N., Ioana, M., Iliescu, D. G., Mixich, F., Prenatal and postnatal findings in a 10.6 Mb interstitial deletion at 10p11.22- p12.31. J Hum Genet., Nr. 4, Vol. 60, 2015, I.S.S.N. 1434-5161, pag 183-185, IF= 2.462

Nicoli, E. R., Dumitrescu, Th., Uscatu, C. D., Popescu, F. D., Streata, I., Serban Sosoi, S.,& Lungulescu, D., Determination of autophagy gene ATG16L1 polymorphism in human colorectal cancer. Rom J Morphol Embryol, Nr. 1, Vol. 55, 2014, 57-62, IF= 0.659

NETWORKS AND MEMBERSHIPS

Member of Romanian Society of Cell Biology (SRBC)

Member of Romanian Society of Human Genetics (SRGM)

Member of European Society of Human Genetics (ESHG)

Member of National Neurosciences Society of Romania (SNN)

Member of Ro-NMCA-ID

SCJU Craiova – Expertise Center for Rare Diseases – partner of the Romanian Network of Multiple Congenital Anomalies with Intelectual Disabilities (Ro-NMCA-ID) – member of European Reference Network on Rare Congenital Malformations and Rare Intellectual Disability (ITHACA)

DRIVING LICENCE

Driving Licence: B

CONFERENCES AND SEMINARS

13/10/2022 - 15/10/2022 Maastricht, Netherlands
Next-Generation Reproductive Medicine Course

26/09/2022 - 30/09/2022 Online
International Summer School on Rare Disease Registries and FAIRification of Data

Organised by ISS, Rome.

14/09/2022 - 17/09/2022 Barcelona, Spain
32nd European Meeting on Dysmorphology,

04/07/2022 - 05/07/2022 Bari, Italy,
Workshop EJPRD 2022 - "Modelling&Simulation:Research Methodologies for Small Populations in Rare Diseases",

EJP RD Fellowship

23/10/2019 - 25/10/2019 Leuven, Belgium,
Training Course EJPRD 2019 - Quality assurance, variant interpretation and data management in the NGS diagnostics era,

EJP RD Fellowship

03/12/2016 - 04/12/2016 Fetal Medicine Foundation, London, UK
Advances in Fetal Medicine Course,

07/09/2016 - 09/09/2016 Radboud University Medical Center, Nijmegen, Olanda
Summer Frontiers Course "Systems Biology of Innate Immunity",

08/05/2016 - 12/05/2016 Bertinoro, Italy,
ESHG Medical Genetics Course,

ESHG Fellowship

PROJECTS

01/01/2024 - 01/01/2027
Joint Action on integration of ERNs into national healthcare systems - Project 101129863 - JAR-DIN" cofinanțat de către Annual Work Programme 2022 al EU4HealthProgramme – EU4H – 2022 – JA – 05: Direct grants to Member States authorities: support ERNs integration to the na-tional healthcare systems of Member States (AWP Ref: HS-g-22-16.02):

The JARDIN joint action has been build in the frame of the EU4Health Programme (EU4H). JARDIN build on a consortium of 29 partner states : 27 EU Member states (MS) + Norway + Ukraine. It associates 55 stakeholders (all health ministeries, many HCP, research infrastructures).
JARDIN aims to amplify the impact of ERNs, to improve access to timely diagnosis and appropriate treatment of RD patients and health professionals, and to support the long-term sustainability of the ERN system by contributing to the effective integration of ERN in the national health systems (while always respecting the autonomy of MS in this regard).

This will be achieved through strengthening the use and re-use of health data, enhancing access to quality, patient-centred, outcome-based healthcare, and supporting integrated work among Member States.

JARDIN objectives will involve enhancing the management of ERN-supporting HCPs at the national level, implementing effective models for quality assurance, optimising patient pathways and referral systems within ERN, facilitating the establishment of national reference networks and programmes for undiagnosed diseases or similar strategies that are connected to ERN, enhancing data management practices with the ultimate goal of achieving seamless interoperability among regional, national, and European health data sources, and identifying potential national support mechanisms for ERN-supporting HCP.

Link https://jardin-ern.eu/

01/09/2020 - 31/08/2022
Study of immune system changes in materno-fetal sepsis (TIMES);

PN-III-P1-1.1-PD-2019-0550, Grant Agreement Number 185 / 26.08.2020, UEFISCDI, http://www.umfcv.ro/185-pd, Buget: 246950 RON; Director proiect: Assistant Professor. Dr. Ioana Streață, Mentor: Prof. Mihai Netea

2018 - 2020

Myeloid dErived suppressor cells -MDSCs - Role in Severe INfections (MERSIN);

PN-III-P1-1.1-PD-2016-0752, Grant Agreement Number 124/02.05.2018, UEFISCDI, http://www.umfcv.ro/pn-iii-p1-11-pd-2016-0752, Buget: 250000 RON, 09.05.2018 - 30.04.2020, Director proiect: Assistant Professor. Dr. Ioana Streață, Mentor: Prof. Mihai Netea

2016 - 2020

Functional Genomics in severe infections (FUSE),

POC-A1.1.4-E-2015 (SMIS 2014+P_37_745), Grant Agreement Number 31/01.09.2016, Principal Investigator: Prof. Mihai G. Netea, UMF Craiova, member

2018 - 2021

„Îmbunătățirea competențelor PROfesionale ale personalului medical implicat în realizarea actului medical din specialități relevante pentru managementul multidisciplinar al bolilor GENEtice RARE - ProGeneRare",

Tip proiect: POCU, Contract numărul108073/POCU/91/4.8/26.02.2018, Autoritate finanțatoare: AMPOCU-Fonduri UE, , 26.02.2018 - 25.02.2021, Coordonator P2-UMFCV-Prof. Univ. Dr. Florin Burada, Director proiect: Conf. Univ. Dr. Mihai Ioana - member

2017 - 2019

Molecular Imaging Evaluation of Tumor MicroEnvironment in Pancreatic AdenoCarcinoma

Tip proiect: PN-III-IDEI, Contract numărul 111/12.07.2017, Autoritate finanțatoare: UEFISCDI, Autoritatea contractanta: UMF Craiova, Suma contractată: 850000 RON, 12.07.2017 - 31.12.2019, Director proiect: Prof. Univ. Dr. Adrian Săftoiu - member

2015 - 2017

Role of immunogenetic factors and vitamin D deficiency in tuberculosis (RID-TB),

UEFISCDI, PN-II-RU-TE-2014, Grant Agreement Number 163/01.10.2016, Principal Investigator: Associate Prof. dr. Mihai IOANA, UMF Craiova, 2015-2017 - member

2013 - 2017

Concurrent Tuberculosis and Diabetes Mellitus; unraveling the causal link, and improving care (TANDEM),

FP7-Health-2012-Innovation-1 Health-F3-2012-305279, Grant Agreement Number 305279. Collaborative Project Small or Medium-scale focused research project. Funding Mechanism: Programme grant. Health.2012.2.3.2-2. Co-morbidity between infectious and noncommunicable diseases. UE, Principal Investigator (P1-LSHTM): Prof. Hazel M Dockrell, London School of Hygiene and Tropical Medicine, Partner 8 Coordinator - UMF Craiova: Associate Prof. dr. Mihai IOANA, 2013-2017 - member

01/2016 - 03/2016

Implementation of immunological methods for tuberculosis (TB) research in Romania - Analysis of CARD9 polymorphisms in human TB

EFIS-IL Short-Term fellowship, Department of Immunology, Max Planck Institute for Infection Biology, Berlin, Germany, January - March 2016 - principal investigator

2014 - 2015

Evaluarea prin tehnici avansate de genetică moleculară a tulburărilor de dezvoltare neuro-psihomotorie,

Parteneriat strategic pentru creșterea calității cercetării științifice din universitățil medicale prin acordarea de burse doctorale și postdoctorale - DocMed.net_2.0", Contract nr. POSDRU/159/1.5/S/136893, 2014 -2015, castigaror bursa doctoranzi

MANAGEMENT AND LEADERSHIP SKILLS

Project manager

I was project manager for two national research projects and one local project. I coordinated a team of four young researchers.

Assistant Manager

I was assistant manager in a project dedicated to increase genetic diagnostic capacity at regional level.

COMMUNICATION AND INTERPERSONAL SKILLS

Empathy

As a medical doctor involved in rare diseases field it is very important to be able to empathize with patients and their families both understand how they are feeling and the reason for their communication, as well as how to communicate back. Empathy helps me better communicate and collaborate with patients and their families.

Positivity

I communicate in a positive way because I learned that my energy bounce off and has a positive effect on others. My positive attitude helps others to look on the bright side of the point I am making.

Teamwork

I am an effective team member involves being able to communicate and share ideas with my colleagues. I have good listening and verbal skills to cooperate with others. I am part of the team of Regional Centre of Medical Genetics Dolj.