

PERSONAL INFORMATION

Soha Sadeghi



📍 Italy. Rome, Rome



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Skype: live:45ff1a5b3ec3423d

Sex : female | Date of birth 24/03/1986 | Nationality Iranian/ Residence: Italy

WORK EXPERIENCE

Padua University
(05/10/2023-present)

Post-DOC in biology and trainer student

Padua university, The Faculty of Biology, VIALE COLOMBO (DIP BIOLOGIA) 3- Padua

- Cell culturing, Genetic manipulation , microbiology, gene transforming, lentiviruses, Western blot, PCR, Realtime-PCR, Mass spectrophotometry, TurboID, RNA sequencing, Bioinformatic analysis (RStudio, Python, metanalysis, Roc-Analysis, RNA seq analysis, phylogenetics-analysis)

Business or sector: Di-Bio Padova university Italy

Sapienza University
(08/2022-02/2023)

Tutoring assignment in bioinformatics

Sapienza university, The Faculty of Pharmacy and Medicine, (C.F. 80209930587, P.I. 02133771002) with headquarters in Viale Regina Elena, 324, 00161 - Rome represented by the Protempore Dean, Prof. CARLO DELLA ROCK.

- Private teaching of bioinformatics to students

Sant'Andrea Hospital
(09/2020 – 20/12/2022)

Researcher Assistant and PhD student

Sant'Andrea Hospital. Address: Via di Grottarossa, 1035/1039, 00189 Roma RM. Italy (ospedalesantandrea.it)

- Diagnosis HBOC (Hereditary Breast-Ovarian cancer) and Lynch patients by NGS and MLPA and sanger sequencing methods.

Business or sector UOC Medical Genetics and Advanced Cells Diagnosis DMCM «Sapienza» University of Rome.

Policlinico Umberto I
Hospital
(05/2020-09/2020)

Traineeship

Policlinico Umberto I Hospital . Address: Viale del Policlinico, 155, 00161 Roma RM. Italy (<https://www.policlinicoumberto1.it>)

- Training and internship in cytogenetics, karyotype and western blot

Business or sector UOC Medical Genetics and Advanced Cells Diagnosis DMCM «Sapienza» University of Rome

Research Institute of Nikan
Royesh Gene, (07/2015–
01/2020)

Prat time Researcher Assistant and student trainer

Research Institute of Nikan Royesh Gene, Karaj, Iran (<http://english.irantvto.ir/index.aspx?siteid=92>)

- trainer of molecular laboratory techniques, directing research teams

Business or sector : Ministry of labour and social affairs. State technical and vocational training organization in Iran

National Institute of genetic
engineering & biotechnology
Medical genetic
laboratory(2012-12/2019)

Prat time Researcher Assistant and student trainer

National Institute of genetic engineering & biotechnology Medical genetic laboratory, Tehran, Iran (<http://nigeb.ac.ir/web/guest/home>)

trainer of molecular laboratory techniques, directing research teams

Alopecia Areata Association
of Iran (2013- present)

Genetic counsellor

Alopecia Areata Association of Iran, Tehran, Iran (<http://alopeciango.ir>)

- Directing research teams, writing the book to help patients, Preparing the first version of the Genetic pedigree of Iranian patients

Business or sector : Rare diseases foundation of iran

Shabdiz Sanat Apadana
(01/2015 – 01/2020)

Part time Researcher Assistant

Shabdiz Sanat Apadana, Tehran, Iran (<http://www.shabdizsanat.ir/?lang=en>)

Directing research teams to Find fungus that is suitable for cleaning up water and oil-rich soils

EDUCATION AND TRAINING

**PhD degree (11/2019-
25/01/2023)**

In human biology and medical genetics, Sapienza University, Rome, Italy

Thesis: DNA repair genes in cancer predisposition: detection of germline pathogenic variants by multigene panel testing

Total GPA: A/A .

**Master degree (09/2011–
08/2014)**

in Cellular and Molecular Biology, Nour Danesh Institute of Higher Education, Isfahan, Iran. 09/2011–08/2014

• Total GPA: 18.37/20.00 . GPA: 4/4

• Thesis: Study of Th1/Th2 balance in peripheral blood mononuclear cells of patients with Alopecia Areata (grade 4/4)

**Bachelor degree (02/2004 –
04/2010)**

in Marine Biology, Hormozgan University, Iran, 02/2004–04/2010

• Total GPA: 17.78 /20.00

TRAINING

- 1.Skill Certificate of Senior tester of basic molecular diagnosis, during 243 hours and according to occupational skill evaluation dated July 17, 2019, by scoring 96 out of 100 and obtaining Excellent level. (Ministry of labour and social affairs. State technical and vocational training organization).
- 2.Skill Certificate of Primer design and principles of PCR, during 73 hours and according to occupational skill evaluation dated Jun 17, 2019, by scoring 94 out of 100 and obtaining Excellent level. (Ministry of labour and social affairs. State technical and vocational training organization).
- 3.Gold certificate of training from Swiss: Genetic counselling, Design, and application of genomics editing with CRISPR technology, MBA in Medicine, ICB2017
- 4.Professional Technical certificate: Crisper Cas9 workshop, MBA in Medical management, Genetic counselling Workshop, 2017
- 5.Iranian genetics society certificate, an academic workshop on The application of R software in the analysis of genetic diversity and population genetics, 2017
- 6.Academic course certificate of Royan research house: a laboratory in vitro fertilisation in mice. 2012. No: S/91/19/67753.
7. Certificate for Delivery of the training course " COVID-19 and PRESENCE ACTIVITIES. (Sapienza university) (05/2021)
8. Public speaking and scientific dissemination course for PhD students of the BeMM School. Dr. Anna Mazzotti (Sapienza university) (21 and 22 October 2021).
9. Specialised course for workers involved in scientific laboratory activities : "High risk" . Pursuant to art. 37 of Legislative Decree 81/2008 and subsequent amendments and integrations, ASR (Government-Regions Agreement) of 21/12/2011 and ASR 07/07/2016 .Duration of the course: 12 hours Delivery mode: asynchronous e-learning training course (authorization granted by the Veneto Region on 15/09/2021 prot. 404686). Teaching program: introduction to safety, work environment, ladders, working at VDT, work related stress, manual handling of loads, electrical risk, Risk of fire, management of emergency, biological agents, physical agents, personal protective equipment, safety criteria in outdoor laboratories, hazardous chemical agents, safety criteria in chemical and microbiological laboratories (30/01/2024).
10. General Health And Safety In The Workplace course. (Art. 37 paragraph 1 letter a) Legislative Decree no. 81/08 and subsequent amendments. - Agreement of the Permanent Conference for

relations between the State, the Regions and the autonomous Provinces of Trento and Bolzano of 21/12/2011 and 07/07/2016). Course type: the course was administered on an e-learning platform with an online final test (18/01/2024).

PERSONAL SKILLS

Mother tongue(s) Persian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	ielts				
Italy	B1	B1	B1	B1	B1
	(A1) Academic certificate from Sapienza university di Roma (A2) certificate from Municipality of Rome (B1) Academic certificate from Padua university				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

good communication skills gained through my experience as consuler

Organisational / managerial skills

▪ leadership (before responsible for a team of 15 researchers)

skills

Software:

RStudio software (meta-analysis, roc- analysis, pan-cancer analysis), Python, SPSS, GraphPad Prism, IGV, Coffalyser, Snap gene viewer. Genemapper. Finch TV . SeqScape. String, Rotor gene 6000, Eco & and so forth., Primer 3, Primer 1, Oligo 7, Gene runner, Idep webtools (RNA sequencing), ShinyGO, snpexplorer, swissDock analysis, SwissModel analysis, TCGA Data analysis, Endnote software, Adobe Photoshop CS , Microsoft Office 2016 (Word, PowerPoint, Excel).

Techniques:

▪ Cell, the karyotype of blood, cytogenetic and analysis karyotyping, chromosome banding techniques , Interpret results of optical microscope, cell culturing 2D, NGS, MLPA, Sanger sequencing, PCR, Tetra Arms PCR, Arms PCR, Step PCR, Real-time PCR, multiplex PCR, RFLP. cDNA synthetase, RNA and DNA extraction from blood, tissues body fluids, Bacteria, intraperitoneal injection to mice, vertical and horizontal electrophoresis, blood sampling, cultivating bacteria, bacteria identification, test antibiogram, Gene manipulation, gene transfer, working with lentivirus, protein extraction from blood and cells, western blot, Mass spectrophotometry, TurboID, RNA Sequencing.

ADDITIONAL INFORMATION

Publications (Articles)

- 1- **Sadeghi Soha**, Sanati Mohammad Hossein, Taghizadeh Morteza, Mansouri Parvin, Jadali Zohreh*. *Study of Th1/Th2 balance in peripheral blood mononuclear cells of patients with alopecia areata*, **Acta Microbiol Immunol Hung.** 2015 Sep;**62(3):275-85**. doi: 10.1556/030.62.2015.3.5. PMID:26551570. **IF 2023: 1.3 Ranking 2023: 158/181 IMMUNOLOGY (Q4)**
- 2- Haghightafard A*, Andalib S, Amini Faskhodi M, **Sadeghi S**, Ghaderi AH, Moradkhani S, Rostampour J, Tabrizi Z, Mahmoodi A, Karimi T, Ghadimi Z. *Gene expression study of mitochondrial complex I in schizophrenia and paranoid personality disorder*. **The World Journal of Biological Psychiatry.** 2018;**19(sup3):S133-S146**. DOI: 10.1080/15622975.2017.1282171. PMID: 28635542. **IF 2023: 3.0 Ranking 2023: 94/276 PSYCHIATRY (Q2)**
- 3- Donya Altafi, **Soha Sadeghi**, Hamed Hojatian, Maryam Torabi Afra, Safoura Pakizehkar, Mojtaba Gorji, Massoud Houshmand*. **Cell J.** 2019 Oct;**21(3):350-356**. doi: 10.22074/cellj.2019.5947. Mitochondrial polymorphisms, in D-loop region, are associated with Brain tumours. PMID: 31210442 PMCID: PMC6582428. **IF 2023: 1.7 Ranking 2023: 182/205 CELL BIOLOGY (Q4)**
- 4- Mina Mozafarizadeh, Mohsen Mohammadi, **Soha Sadeghi**, Morteza Hadizadeh, Tayebe Talebzade, Massoud Houshmand*. **Oman Medical Journal.** 2019 Jan;**34(1):56-62**. doi: 10.5001/omj.2019.09. PMID: 30671185 PMCID: PMC6330185. **Scopus: CiteScore 2023: 3.1 . Ranking 2023 : 171/636 General Medicine.**

- 5- Takavar Razavian, Mahdieh Ebrahimi Shakib, Kurosh Gharagozli, Hossein Maghsoudi, Seyed Kazem Bidoki, **Soha Sadeghi**, Massoud Houshmand*. Association of rs12487066, rs12044852, rs10735781, rs3135388, rs6897932, rs1321172, rs10492972, and rs9657904 polymorphisms with Multiple Sclerosis in Iranian population. **Oman Medical Journal 2020 Jul 20;35(4):e150**. doi: 10.5001/omj.2020.69. PMID: 32760600 PMCID: PMC7374718. **Scopus: CiteScore 2023: 3.1 . Ranking 2023 : 171/636 General Medicine.**
- 6- Aldo Germani, Daniele Guadagnolo, Valentina Salvati, Caterina Micolonghi, Rita Mancini, Gioia Mastromoro, **Soha Sadeghi**, Simona Petrucci, Antonio Pizzuti and Maria Piane. *Genomic Breakpoints' Characterization of a Large CHEK2 Duplication in an Italian Family with Hereditary Breast Cancer*. **Diagnostics (Basel). 2022 Jun 22;12(7):1520**. doi: 10.3390/diagnostics12071520. PMID: 35885426 PMCID: PMC9319214. **IF 2023: 3.0 Ranking 2023: 58/325 MEDICINE, GENERAL & INTERNAL (Q1)**
- 7- Daniele Guadagnolo, Gioia Mastromoro, Enrica Marchionni, Aldo Germani, Fabio Libi, **Soha Sadeghi**, Camilla Savio, Simona Petrucci, Laura De Marchis Maria Piane, Antonio Pizzuti, *Heterozygous Pathogenic Nonsense Variant in the ATM Gene in a Family with Unusually High Gastric Cancer Susceptibility*. **Biomedicines. 2023 Jul 22;11(7):2062**. doi: 10.3390/biomedicines11072062. PMID: 37509701 PMCID: PMC10377208. **IF 2023: 3.9 Ranking 2023: 104/313 BIOCHEMISTRY & MOLECULAR BIOLOGY (Q2)**
- 8- Caterina Micolonghi , Maria Piane, Aldo Germani, **Soha Sadeghi**, Fabio Libi, Camilla Savio, Marco Fabiani, Rita Mancini, Danilo Ranieri , Antonio Pizzuti , Vito Domenico Corleto , Pasquale Parisi, Vincenzo Visco , Giovanni Di Nardo, Simona Petrucci. *A New SMAD4 Splice Site Variant in a Three-Generation Italian Family with Juvenile Polyposis Syndrome*. **Diagnostics (Basel) 2022 Nov 4;12(11):2684**. doi: 10.3390/diagnostics12112684. PMID: 36359527 PMCID: PMC9689379.. **IF 2023: 3.0 Ranking 2023: 58/325 MEDICINE, GENERAL & INTERNAL (Q1).**
- 9- Veronica Carpanese* , Margherita Festa*,&, Elena Prosdocimi* , Magdalena Bachmann , **Soha Sadeghi**, Sara Bertelli , Frank Stein, Angelo Velle, Mostafa A.L Abdel-Salam, Chiara Romualdi, Michael Pusch, Vanessa Checchetto. *Interactomic exploration of LRRC8A in Volume-Regulated Anion Channels*. **Cell Death Discov. 2024 Jun 22;10(1):299**. doi: 10.1038/s41420-024-02032-0. PMID: 38909013 PMCID: PMC11193767. **IF 2023: 6.1 Ranking 2023: 48/205 CELL BIOLOGY (Q1).**
- 10- **Sadeghi S**, Talebzade T, Altaf D, Hojatian H, Rafei ST, Naderifar S, Ahmadi N, Dezhgir A, Haghightafard A*. *Immunotherapy of prostate cancer may change the mRNA level of virulence factor genes in E. faecalis of microflora*. *Advances in Animal and Veterinary Sciences (NAP publishes journals)*. *Inf. Mol. Biol.* 6(1): 1-6. DOI : <http://dx.doi.org/10.17582/journal.jimb/2018/6.1.1.6>. **Scopus: CiteScore 2023: 1.4 . Ranking 2023 : 103/194 General Veterinary.**
- 11- Talebzade T, Rahbarzare F, Ahmadi N, Naderifar S, Eslahi E, Mirgeloybayat M, Altaf D, Hojatian H, **Soha Sadeghi * (correspondence)**. *Chemotherapy Could Induce Antibiotic Resistance in E. Faecalis in Patients with Colorectal Cancer*. *Advances in Animal and Veterinary Sciences (NAP publishes journals)*. *Inf. Mol. Biol.* 6(2): 22-27. DOI: <http://dx.doi.org/10.17582/journal.jimb/2018/6.2.22.27>. **Scopus: CiteScore 2023: 1.4 . Ranking 2023 : 103/194 General Veterinary.**
- 12- Taghiabadi G, Talebzade T, Altaf D, Hosseini IA, Hojatiyan H, Taghizadeh M, Houshmand M, **Soha Sadeghi * (correspondence)**. *Identification of single nucleotide polymorphisms as markers of genetic susceptibility for Alopecia areata disease risk*. *Advances in Animal and Veterinary Sciences (NAP publishes journals)*. *Inf. Mol. Biol.* 6(2): 22-27. DOI: <http://dx.doi.org/10.17582/journal.jimb/2018/6.2.28.35>. **Scopus: CiteScore 2023: 1.4 . Ranking 2023 : 103/194 General Veterinary.**
- 13- Houshmand M, **Sadeghi S**, Altaf D, Aliqanbari M, Hojatian H*. *Mitochondrial ATPase 6,8 Associated with Brain Tumours in Patients Compared to Adjacent Normal Brain Cells*. *Advances in Animal and Veterinary Sciences (NAP publishes journals)*. *Inf. Mol. Biol.* 6(2): 22-27. DOI: <http://dx.doi.org/10.17582/journal.jimb/2018/6.2.45.50>. **Scopus: CiteScore 2023: 1.4 . Ranking 2023 : 103/194 General Veterinary.**
- 14- Hormoz Selahvarzi, Milad Kamdideh, Mehrmoosh Vahabi, Ali Dezhgir, Massoud Houshmand, and **Soha Sadeghi * (correspondence)**. *-Association of Single Nucleotide Polymorphisms in the VDR and CYP27B1 Genes with Risk of Developing Vitamin D3 Deficiency*. **J Pure Appl Microbiol. 2021;15(1):201-211**. DOI: <https://doi.org/10.22207/JPAM.15.1.15>. **IF 2023: 0.7 Ranking 2023: 151/161 MICROBIOLOGY (Q4).**

- 15- **Soha Sadeghi**, Vanessa Checchetto ‡, and Tatiana Varanita *‡. *A comprehensive pan-cancer analysis of the mitochondrial uncoupling protein UCP2, with a focus on sex and gender-related aspects.* **Cell Death Discov.** **27 October 2024.** doi: DOI: 10.33594/000000735. **IF 2023: 2.29. (Q2).**
- 16- 15. Alessandro Paoli*, **Soha Sadeghi***, Giulia Battistello, Veronica Carpanese, Vanessa Checchetto *Comprehensive Pan-Cancer Investigation: VRAC Subunit Analysis, Prognostic Correlations, and Tumor Microenvironment Associations.* Pan-Cancer Investigation of Volume Regulated Anion Channel (VRAC) Subunits: prognostic roles in human cancers, Scientific Reports , 2024 OCT, **IF 2023: 3.8 . (in revision).**

Book

- 1-A comprehensive survey of the disease alopecia areata, 2017, Soha Sadeghi (Persian) (ISBN: 978-600-422-121-4).
- 2-Laboratory protocols for diagnostics of cancer genes, 2016, Soha Sadeghi, Farzaneh Hashemipour, Hamideh (Donya) Altafi, Iman-Alsaadat Hosseini, Massoud Houshmand (English) (ISBN: 978-600-5996-45-6).
- 3-Autoimmune diseases of the skin,2018, Soha Sadeghi et al. (Persian) (ISBN: 978-600-8872-29-6).
- 4- Molecular Laboratory. 2019. Soha Sadeghi et al. (Persian) (ISBN: 978-600-8872-27-6)
- 5-New approaches to gene therapy in alopecia areata. Soha Sadeghi et al. (ISBN: 978-600-8872-31-3)

Congress and poster

- 1- Investigate of Mitochondrial ATPase 6,8 gene in Iranian psychotic disorders patients, Rashed Mehrfard M.Sc, Nahid Masoudian PhD Seyed Massoud Houshmand Ph.D., Leila Akbari M.Sc, Soha Sadeghi, M.Sc, Hamideh Altafi, M.Sc. 1st International and ninth national Biotechnology Congress of the Islamic Republic of Iran. 24-26 May 2015 (Poster).
- 2- The measurement of gene expression for the Th1/Th2 associated transcription factors in patients with Alopecia Areata, Soha Sadeghi, Sanati Mohammad Hossein, Taghizadeh Morteza, Mansouri Parvin, Jadali Zohreh, Rashed Mehrfard. 1st International and ninth national Biotechnology Congress of the Islamic Republic of Iran. 24-26 May 2015 (Poster).
- 3- Polymorphisms evaluation of the thiopurine S-methyltransferase gene among the Iranian acute lymphoblastic leukaemia population, Soha Sadeghi, Tayebe Talebzade, Arvin Haghhighatfard, Ali Dezhgir, ICB2017, (Poster).
- 4- Study genetic susceptibility polymorphisms for chronic lymphocytic leukaemia in the Iranian population, Ali Dezhgir, Soha Sadeghi, ICB2017 (Poster).
- 5- NRG1 expression changes in Autism spectrum disorder and play a role in executive functions abnormalities, Soha Sadeghi, Arvin Haghhighatfard, ICB2017 (Letcher).
- 6- Immunotherapy effects on virulence genes of Enterococcus faecalis of microflora in Prostate cancer patients, Soha Sadeghi, Arvin Haghhighatfard, Tayebe Talebzade, Niloofar Ahmadi, Ali Dezhgir, ICB2017 (Letcher).
- 7- Polymorphisms of the thiopurine S-methyltransferase gene amongst the patients with Alopecia areata and Iranian healthy adult population, Soha Sadeghi*, Ali Dezhgir, Tayebe Talebzadeh, Iman Alsaadat Hosseini, Donya Altafi, Sahel Tofigh Rafie, Arvin Haghhighatfard, Hamed Hojati, Soudeh Soleymani Mashhadi, Navid Rahimian, Morteza Taghizadeh, Massoud Houshmand, EAPEC2018.
- 8- Investigation of the association of common polymorphism in two gene VDR and CYP27B1 with vitamin D3 serum level in an Iranian population with Alopecia Areata, Soha Sadeghi, The 4th international congress on biomedicine (ICB2020)
- 9- Long QTc in Hypertrophic Cardiomyopathy : a consequence of myocardial hypertrophy or a distinct genetic disease? C.Micolonghi, F.Cava, M.B. Musumeci, C. Savio, M. Fabiani, G.Tini, L.Alesi, L. Angileri, I, De Santis, A. Germani, F. Libi. C. Rossi, **S, Sadeghi**, V. Visco, A, Pizzuti, C. Autore, M.Piane, S.D. Rubattu, S.Petrucci. XXV CONGRESSO NAZIONALE SIGU 2022
- 10- Genotype-phenotype correlation in early and late -onset Hypertrophic Cardiomyopathy Italian patients. M. Fabiani, G. Tini, C.Micolonghi, M.B. Musumeci, C. Savio, F. Aurora, L. Alesi, L. Angileri, I, De Santis, A. Germani, F. Libi. C. Rossi, **S, Sadeghi**, V. Visco, A, Pizzuti, C. Autore, S.Petrucci. S.D. Rubattu, M.Piane, XXV CONGRESSO NAZIONALE SIGU 2022

11. Certificate of attendance in continuing education programs in the medical community (grade 14.00/20.00)
12. Seminar about the virus by Prof.ssa Carolina Scagnolari (Sapienza university) (03/2021)
13. Seminar of Crispr/CAS9 by Prof. Thomas Vaccari (Sapienza university) (03/2021)
14. Next Generation Sequencing approaches in medical genomics Prof. Viviana Caputo (Sapienza university) (03/2021)
16. Workshop in Epitranscriptomics of non-coding RNAs" by Prof. Fulci (Sapienza university) (03/2021)
17. Webinar in GPU based Monte Carlo techniques in proton therapy of cancer (Sapienza university) (03/2021)
18. Workshop in Omics and prediction models in the clinical setting. Reality and perspectives (Sapienza university) (05/2021)
19. workshop in SSAS vaccine Talk ((Sapienza university) (05/2021))
20. Seminar of Platelet-leukocyte interactions in COVID-19 and beyond, Professor Lucia Stefanini (Sapienza university) (11.11,2021)
21. seminar of RNA-binding proteins integrate multiple regulatory layers in neuronal development, Prof. Andres Ramos, University College London (Sapienza university) (22/04/2022)
22. Seminar of Models of the Blood-brain barrier in vitro and their applications in pathological contexts, Dr. Caroline Mysiorek and Dr. Pietra Candela Artois University , France (Sapienza university) (04/05/2022)
22. Seminar of Novel insights into the genetic determinants of diabetic complications, Prof. Alessandro Doria, Harvard Medical School e Head of Section on Genetic and Epidemiology al Joslin Diabetes Center di Boston (US), (Mendel institute , Rome, Italy)(27/ 05/2022)
23. Certificate of attendance the Droplet Digital PCR World 2024 On Tour in Padua in Italy (20/03/2024).

Awards and Honors

Patent certificate, Title of invention: Dose detection kit for Thiopurine drug, International classification: C12Q 1/00; G16B 20/00; G01N 33/50. Serial No: A/92 003187. (2019).

• A letter of acknowledgement awarded by the Alopecia Areata Association of Iran in 2017 to collect DNA of more than 400 patients with alopecia areata with the genealogy of three generations of these patients.

References

Prof. Antonio Pizzuti, Department of Experimental Medicine, Sapienza University, Policlinico Umberto I Hospital, Rome, Italy. antonio.pizzuti@uniroma1.it
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Dr, Vanessa Checchetto , Department of Biology (DiBio) University of Padova via U.Bassi 58/B, 35131 Padova (Italy)
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Dr. Simona Petrucci, Department of Medicina Clinica E Molecolare, School of Medicine and Psychology, Sapienza University of Rome, Rome, Italy and Sant'Andrea University Hospital, Rome, Italy,
simona.petrucci@uniroma1.it. Tel : +39 339 505 4898

Dr Maria Piane, Department of Clinical and Molecular Medicine, School of Medicine and Psychology, Sapienza University of Rome, Rome, Italy and Sant'Andrea University Hospital, Rome, Italy,
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Prof. Massoud Houshmand, Head of the Genetic Diagnostic department; NIGEB, Tehran, Iran
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Dr Morteza Taghizadeh, Head of the Human vaccine Department, Razi Vaccine and Serum Research Institute, Agricultural Research Education and Extension Organization (AREEO), Tehran, Iran,
taghizadeh.morteza@gmail.comTel: +98 9120866084