

Curriculum Vitae

Kamran Guity

Birth Date: May,1986
Gender: Male
Marital Status Married
Nationality: Iranian
Current Work Address: Cellular and Molecular Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, No.24 , A'arabi St. Velenjak, Tehran, Iran. Postal code: 1985717413
Tel: +98 21 22432500
(Ext 219)
Mobile: +98 912 3398879
Fax: +98 21 22416264
E-Mail: Guity@endocrine.ac.ir

Education

Bachelor of Sciences in Cell and Molecular

Islamic Azad University- Tehran North; 2010

Master of Sciences in Cell and Molecular

Islamic Azad University- Tehran North; 2015

Subject of Thesis: Association of Human Adenovirus 36 infection and Obesity in fat tissues of patients who have bariatric surgery

Experience

Researcher

| Cellular and Molecular
researcher center

2012-Present

Laboratory assistant

| Research Institute for
Endocrine Sciences, Tehran, Iran

2007-Present

Laboratory assistant

| Medical Genetics Lab of Dr.
Zeinali, Tehran, Iran

2012

Language:

English

Speak
Read
Write

Persian

Mother Tongue

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Professional Qualification:

Position Researcher at Tehran Cardio Metabolic Genetic Study (TCGS)
Cellular and Molecular Research Center, Research Institute for
Employer Endocrine Sciences, Shahid Beheshti University of Medical Sciences,
Tehran, Iran.
Date 2012-Present

Position *Disease Miner Professional*® Administrator
Employer Cellular and Molecular Research Center incorporation with deCode
Genetics Company, Reykjavik, Iceland
Date 2015

Position Biobank staff of Morbid Obese Tissue & PCOS
Employer Laboratory of Research Institute for Endocrine Sciences, Shahid
Beheshti University of Medical Sciences, Tehran, Iran.
Date 2014

Position Biobank staff in Tehran Glucose and Lipid Study (TLGS)
Employer Laboratory of Research Institute for Endocrine Sciences, Shahid
Beheshti University of Medical Sciences, Tehran, Iran.
Date 2011 - Present

Research experience

- Advanced research Bioinformatics:
 - NCBI, UCSC, Ensemble, hapmap, ...
- Advanced research methodology
- Computer skills:
 - ICDL skills
 - Endnote Cite Manager
 - Database Management : SQL Server , Access
 - Programing C++, Bash, Python
 - Linux OS & administration
 - Internet Network setup and management
 - Oracle Database administration
- Lab techniques:
 - Immunochemical Techniques (Enzyme, Radio Immunoassay)
 - Photometrical Techniques (UV, Autoanlyzer)
 - Electrophoresis of proteins and nucleic acids (Agarose, Poly Acryl Amid)
 - Gel Analysis for calculating Molecular weight

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- OD Measure with spectrophotometer (Nanodrop)
- PCR, RFLP, Arm-PCR
- Primer Design
- Genetics Analysis
 - Population Genetics
 - Linkage analysis and family study
 - Genome Wide Association Study
 - Familiar with Long Range Phasing, Phasing and Imputing genomic data
- Genetic Software:
Progeny, Pedcheck, GenoPro, Makeped and ...
- Statistical Software:
 - SAGE, SPSS , R Program
 - Basic statistical analysis

International Publications:

- 1- Daneshpour, M. S., Hedayati, M., Sedaghati-Khayat, B., **Guity, K.**, Zarkesh, M., Akbarzadeh, M., ... & Azizi, F. (2018). Genetic identification for non-communicable disease: Findings from 20 years of the Tehran Lipid and Glucose Study. *International Journal of Endocrinology and Metabolism*, 16(4 Suppl).
- 2- Naseri, P., Khodakarim, S., **Guity, K.**, & Daneshpour, M. S. (2018). Familial aggregation and linkage analysis with covariates for metabolic syndrome risk factors. *Gene*, 659, 118-122.
- 3- Sedaghati-khayat, B., Barzin, M., Akbarzadeh, M., **Guity, K.**, Fallah, M. S., Pourhassan, H., ... & Daneshpour, M. S. (2018). Lack of association between FTO gene variations and metabolic healthy obese (MHO) phenotype: Tehran Cardio-metabolic Genetic Study (TCGS). *Eating and Weight Disorders-Studies on Anorexia, Bulimia and Obesity*, 1-11.
- 4- Hosseini-Esfahani, F., Mirmiran, P., Koochakpoor, G., Daneshpour, M. S., **Guity, K.**, & Azizi, F. (2017). Some dietary factors can modulate the effect of the zinc transporters 8 polymorphism on the risk of metabolic syndrome. *Scientific reports*, 7(1), 1649.
- 5- Daneshpour, M. S., Fallah, M. S., Sedaghati-Khayat, B., **Guity, K.**, Khalili, D., Hedayati, M., ... & Momenan, A. A. (2017). Rationale and design of a genetic study on cardiometabolic risk factors: protocol for the Tehran Cardiometabolic Genetic Study (TCGS). *JMIR research protocols*, 6(2).
- 6- Mirbolouk, M., A. Derakhshan, P. Charkhchi, **K. Guity**, F. Azizi, and F. Hadaegh, Incidence and predictors of early adulthood prediabetes/type 2 diabetes, among Iranian adolescents: the Tehran Glucose and Lipid Study. *Pediatric diabetes*, 2016.
- 7- Fallah, M.S., B. Sedaghatikhayat, **K. Guity**, F. Akbari, F. Azizi, and M.S. Daneshpour, The Relation between Metabolic Syndrome Risk Factors and Genetic Variations of Apolipoprotein V in Relation with Serum Triglyceride and HDL-C Level. *Arch Iran Med*, 2016. 19(1): p. 46-50.
- 8- Hosseinpanah, F., M. Barzin, **K. Guity**, and F. Azizi, Recurrence Risk Ratio of Siblings and Familial Aggregation of the Metabolic Syndrome among Tehranian Population. *Archives of Iranian medicine*, 2014. 17(6): p. 411.
- 9- Faam, B., M. Zarkesh, M.S. Fallah, N. Hosseinzadeh, **K. Guity**, F. Hosseinpanah, S. Hosseinpour-Niazi, A.A. Momenan, F. Azizi, and M.S. Daneshpour, Heritability of Obesity-Related Variables in Tehran Families: Tehran Lipid and Glucose Study. *Scimetr*, 2014. 2(4).
- 10- Zarkesh, M., M.S. Daneshpour, B. Faam, M.S. Fallah, N. Hosseinzadeh, **K. Guity**, F. Hosseinpanah, A.A. Momenan, and F. Azizi, Heritability of the metabolic syndrome and

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its components in the Tehran Lipid and Glucose Study (TLGS). Genetics research, 2012. 94(06): p. 331-337.

National Publications:

- 1- Daneshpour, M. S., Sedaghatikhayat, B., **Guity, K.**, & Azizi, F. (2016). Genome wide association study in Tehran cardio-metabolic genetic study could promotes precision medicine in Iran. Pajoohandeh Journal, 21(4), 210-218.
- 2- Naghizadeh, F., **Guity, K.**, Sedaghati, K. B., Laamerad, B., Azizi, F., & Daneshpour, M. S. (2016). Familial Hypercholesterolemia In Tehran Lipid And Glucose Study: A Cross-Sectional Study.
- 3- Zarkesh, M., **K. Guity**, N. Hosseinzadeh, F. Azizi, and M.S. Daneshpour, Familial Clustering of Metabolic Syndrome and Its Risk Factors in Tehran Lipid and Glucose Study. Journal of Ardabil University of Medical Sciences, 2016. 15(4): p. 384-394.
- 4- Faam B, Zarkesh M, Fallah MS, Hosseinzadeh N, **Guity K**, Hosseinpanah F, et al. Heritability of Obesity-Related Variables in Tehran Families: Tehran Lipid and Glucose Study. Scimetr. 2014;(4).

Published Posters:

- 1- Households and Family Projections: Tehran Lipid and Glucose Study: 1999 to 2016, P18.32D/D,ESHG 2018, Milan, Italy
- 2- Heritability of the thyroid peroxidase autoantibody levels in the Tehran Lipid and Glucose Study (TLGS), ,ESHG 2018, Milan, Italy
Banikazemi M, Daneshpour MS, Masjoodi S, Zoroufchin S, Sedaghatikhayat B, **Guity K**, et al. High Prevalence of monogenic familial hypercholesterolemia in a population based study needs deep genetic dissection. ESHG, 2016, Poster presentation, Barcelona, Spain.P18.040D.
- 3- Fallah MS, Daneshpour MS, Sedaghatikhayat B, Guity K, Azizi F. Identification of genomic region associated with Lipoprotein Cholesterol: Genome-wide association studies (GWAS) in Tehran cardio-metabolic genetic study (TCGS). ESHG, 2016, Poster presentation, Barcelona, Spain.P05.47C
- 4- Daneshpour MS, Fallah MS, Sedaghatikhayat B, Guity K, Azizi F. Identification of genomic region associated with high density lipoprotein cholesterol by Genome-wide association studies (GWAS) in Tehran Cardio-metabolic Genetic Study (TCGS). ESHG, 2016, Poster presentation, Barcelona, Spain.P18.100D.
- 5- Sedaghatikhayat B, Fallah MS, Guity K, Masjoodi S, Azizi F, Daneshpour MS. Admixture Analysis between allelic effect and HDL-C concentration related to metabolic syndrome (MetS) in Tehran cardio-metabolic genetic study (TCGS), . ESHG, 2016, Poster presentation, Barcelona, Spain.P06.06B.
- 6- M. Daneshpour, N. Partovi, B. Sedaghatikhayat, K. Guity; Quality control techniques for prevention of false ascertainment in association studies; 2014-A-1783-ESHG; Poster presentation, Milan, Italy
- 7- M.S. Daneshpour , M.S. Fallah, B. Sedaghatikhayat, A. Ebrahimi, K. Guity, F. Azizi; Association of rs780094 in GCKR with Metabolic syndrome and related traits were confirmed in Tehran lipid and glucose study; 2014-A-1740-ESHG; Poster presentation
- 8- Bahar Sedaghatikhayat, Maryam Sadat Daneshpour , Mohammad-Sadegh Fallah, Ahmad Ebrahimi, Kamran Guity, Fereidoun Azizi; Association of single nucleotide polymorphism in MC4R gene metabolic syndrome and diabetes aging in Tehran Lipid and Glucose Study. 1st international and 13th Iranian Genetics Congress; 2014;Poster presentation
- 9- Hedayati M, Zarif Yeganeh M, Guity K, Sheikholeslami S, Farashi S, Hoghooghi Rad L. Different Pattern of RET Exons Mutations in Iranian Patients with Hereditary Medullary
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Thyroid Carcinoma. International Congress Biochemistry and molecular biology 16-19 April 2013, Posterpresentation Yazd, Iran

Published

Abstracts:

- 1- GENDER DIFFERENCES IN APOLIPOPROTEIN V POLYMORPHISM FOR METABOLIC SYNDROME
- 2- Association of rs780094 in GCKR with Metabolic syndrome and related traits were confirmed in Tehran lipid and glucose study
- 3- The T allele of rs7903146 in TCF7L2 is associated with type 2 diabetes in Iranian: a large population-based cohort study
- 4- Different Pattern of RET Exons Mutations in Iranian Patients with Hereditary Medullary Thyroid Carcinoma.

Workshop

Present:

- 1- Scientific writing workshop, Research Institute for Endocrine Sciences, Iran 2017
- 2- The 3rd Summit of Iran Cohort Consortium, Shahroud, Iran 2017
- 3- Lecture Presentation on "Tools for research: from information gathering to effective presentation" in Research Institute for Endocrine Sciences 2013.
- 4- Participate on "Introduction to beneficial Genomic database", Third Congress of Medical Genetics, 2013.
- 5- Lecture Presentation on "R Program" in Research Institute for Endocrine Sciences 2013.
- 6- Lecture Presentation on "Fundamental Infrastructure For Research" " in Research Institute For Endocrine Sciences 2013,
- 7- Participate on "PCR Primer Design workshop" in Research Institute for Endocrine Sciences 2013.
- 8- Lecture Presentation on "Progeny" in Iranian Molecular Medicine Network 2012 & 2013.
- 9- Participate on "Genomic of Complex Disorders Symposium", Pasture Institute of Iran, 2011.

Workshops &

Courses :

- 1- Training in deCODE genetics with subject of Iranian Genome project, 2018
- 2- Training in deCODE genetics with subject of Iranian Genome project, 2017
- 3- Training in deCODE genetics with subject of Disease Miner Proffectional administration, 2015
- 4- Workshop of "Survival analysis", Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2015.
- 5- Workshop of "Longitudinal data in cohort study", Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2015.
- 6- Course of Oracle Database 1 & 2, Learning Lab of Sharif University of Technology (laitec) - 2015
- 7- Workshop of "Measurement of urinary iodine", Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2013.
- 8- Course of intro Linux and Linux administrator (LPIC-1) Learning Lab, Sharif University of Technology (laitec) - 2013
- 9- Workshop of "UCSC", Iranian Molecular Medicine, 2012-13
- 10- Workshop of "Nodixel", Social Network Analysis site in corporation Andisheh Tavan Tahviah Co., 2012.
- 11- Workshop of "Bioinformatics", Iranian Molecular Medicine, 2012-13.
- 12- Workshop of "Schedule of Logistic Regression Modeling for Longitudinal Studies", Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences 2012.

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- 13- Workshop of “Scientific Presentation” Workshop, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2011.
- 14- Workshop of “Progeny”, Iranian Molecular Medicine, 2010.
- 15- Workshop of “The use of longitudinal data in cohort study”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.
- 16- Workshop of “Scientific Presentation”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.
- 17- Workshop of “EndNote”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.
- 18- Workshop of “SPSS”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.
- 19- Workshop of “Advance Methodology of Clinical Research”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.
- 20- Workshop of “Basic Methodology of Clinical Research”, Research Institute for Endocrine Sciences, Shaheed Beheshti University of Medical Sciences, 2010.