CURRICULUM VITAE

1. NAME: SELMA YILMAZ DEJGAARD
2. TITLE: Professor Doctor

3. EDUCATION

Bachelor (B.Sc): Hacettepe University, Faculty of Pharmacy- Pharmacy- 1985
Master (M.Sc.): Hacettepe University, Faculty of Medicine Health Institute-Biochemistry - 1989
Doctorate (Ph.D.): Hacettepe University, Faculty of Medicine Health Institute- Biochemistry- 1996
Uppsala University, Biomedical Center (BMC)- Molecular Biochemistry/Molecular Biology (suppl. studies) (1993-1995)

4. THESIS

4.1. Master (M.Sc.)

The inhibition of Rabbit Muscle Pyruvate Kinase Enzyme Caused by o-Phthaldialdehyde (1989)

4.2. Doctora (Ph.D./Dr.)

The role of Alpha1-Proteinase Inhibitor and Alpha2-Macroglobulin in the Protease Inhibition (1996)

5. ACADEMIC TITLES
Assistant professor: 1996
Associate Professor Doctor: 2002 by a position equality given by T.C. UAK, 12.05.2014, for the position the academic position at McGill University, Faculty of Medicine, Dept. of Anatomy & Cell Biology in Molecular and Cell Biology
2014 by T. C. UAK exam procedure (24.03. 2014) in Medical Biochemistry
Professor Doctor: 2021

5.1. RESEARCH AND PROFESSIONAL EXPERIENCE
1986-1996 Research and Teaching Assistant , Hacettepe University, Faculty of Pharmacy, Department of Biochemistry, Ankara, TR.
1993-1995 Predoctoral Fellow, Uppsala University, Biomedical Center (BMC) , Uppsala, Sweden.
1996-1998 Academic Staff (Assistant professor), Hacettepe University, Faculty of Pharmacy, Department of Biochemistry, Ankara, TR.
1997-2001 Post-doctoral Fellow EMBL (European Molecular Biology Laboratories), Genome Biology and Cell Biology Units, Heidelberg, Germany
2001-2002 Post-doctoral Fellow, McGill University, Faculty of Medicine, Department of Anatomy & Cell Biology
2002-2014 Academic Staff, McGill University, Faculty of Medicine, Department of Anatomy & Cell Biology
2012-2012 Visiting Academic Staff, Cell Biology and Metabolism Branch

National Institute of Child Health and Human Development, Bethesda, MD, USA
2013-2014 Academic Staff, Near East University, Faculty of Medicine, Department of Medical Biochemistry
2014-2021 Academic Staff, Near East University,Faculty of Medicine, Department of Medical Biology
2021- **Current** Academic Staff, Near East University,Faculty of Medicine, Department of Medical Biology

5.2. MAJOR RESEARCH INTERESTS

Intracellular protein trafficking, membrane dynamics, lipid droplets, fluorescence protein technology, super-resolution imaging.

6. **SUPERVISON OF UNDERGRADE/GRADUATE LEVEL THESIS**

6.2.1. Özgür Neni, The Association of Abo and Rh Blood Groups on The Risk Of Covid-19 Infection in Northern Cyprus, 2022, Near East University, Institute of Health Science Molecular Medicine Program

6.2.2. Ahmad Khamayseh, The Impact of Oral Isotretinoin on PI3k-Akt-Mtor Pathway Activity and Gene Expression in Acne Vulgaris Patients, 2023, Near East University, Institute of Health Science Molecular Medicine Program

6.2.3. Co-supervisor for McGill University Medical Faculty Department of Anatomy and Cell Biology Undergraduate Diploma thesis and graduate level studies, , 2002-2008. See Related publications: Curr. Issues. Mol. Biol.-2004, J Cell Sciences-2008 ve ASCB 2007 Presentation

7. PUBLICATIONS

7.1. PUBLICATIONS IN INTERNATIONAL JOURNALS (SCI, SSCI, ARTS AND HUMANİTİES)

1. **S. Yilmaz,** I. Ozer. Subunit level cross-linking of rabbit muscle pyruvate kinase by o-phthaldialdehyde. **Arch Biochem Biophys 1990**; 279: 32-36.
2. A. Kuralay, O. Ortapamuk, **S.Yilmaz,** N. Sumer, I. Ozer. Involvement of sulphydryl groups In the stable fluorescent derivatization of proteins by o-Phthalaldehyde. **Analyst 1995**; 120 (4): 1087-1090.
3. **S.Yilmaz,** M. Widersten, T. Emahazion, B. Mannervik. Generation of a Ni (II) binding site by introduction of a histidine cluster in the structure of human glutathione transferase A1-1. **Protein Engineering 1995**; 8 (11): 1163-1169.
4. B. Mannervik, R. Bjornestedt, E. Davey, T. Emahazion, E. Fernandez, L.O. Hansson, R. H. Kolm, L. O. Nilsson, B. Olin, G. Stenberg, S. Tardioli, M. Widersten, **S.Yilmaz. Glutathione S-Transferases: Structure, Function and Clinical Implications. N. P. E. Vermeulen et al., editors. 1996**; Chapter 1: 1-13, Taylor and Francis, London.
5. **S. Dejgaard,** O. Ortapamuk, I. Ozer. The trypsin inhibitory efficiency of human α_2 macroglobulin in the presence of α_1-proteinase inhibitor: evidence for the formation of an α_2-macroglobulin-α_1- proteinase inhibitor complex. **J Enzyme Inhib 1999**; 14 (5): 391-405.
6. **S. Dejgaard,** J. Nicolay, M. Taheri, D.Y. Thomas, J.J. Bergeron. The ER glycoprotein quality control system. **Curr Issues Mol Biol 2004**; 6(1): 29-42. Review. **Cover Page Award.**
7. **S.Y. Dejgaard,** A. Murshid, K.M. Dee, J.F. Presley. Confocal microscopy-based linescan methodologies for intra-Golgi localization of proteins. **J Histochem Cytochem 2007**; 55(7): 709-19.
8. J. Chun, Z. Shapovalova, **S. Y. Dejgaard,** J.F. Presley, P. Melancon. Characterization of class I and II Arfs in live cells: GDP-bound class II Arfs associate with the ER-Golgi intermediate compartment independently of GBF1. **Mol Biol Cell 2008**; 19:3488-3500.
9. J.L. Burman, L. Bourbonniere, J. Philie, T. Stroh, **S.Y. Dejgaard,** J.F. Presley, P.S. McPherson. Scyl1, mutated in a recessive form of spinocerebellar neurodegeneration, regulates copi-mediated retrograde traffic**. J Biol Chem 2008**; 283(33): 22774-86.

Paper of the week and Cover Page Awards.

10. **S. Y. Dejgaard,** A. Murshid, A. Erman, O. Kizilay, D. Verbich, R. Lodge, K. Dejgaard, T. B. Ly-Hartig, R. Pepperkok, J. C. Simpson, J. F Presley. Rab 18 and Rab43 have key roles in ER-Golgi trafficking. J Cell Sci 2008;121:2768-81.
11. F. Kartberg, L. Asp, **S.Y. Dejgaard,** M. Smedh, J. Fernandez-Rodriquez, T. Nilsson, J. F.Presley. ARFGAP2 and ARFGAP3 are essential for COPI coat assembly on the Golgi membrane of living cells. **J Biol Chem 2010**; 285 (47): 36709-20 Epub 2010 Sep 21.
12. **S.Y. Dejgaard,** K. Dejgaard, J.F. Presley. Cell Staining: Fluorescent Labelling of the Golgi Apparatus. **Encyclopedia of Life Sciences (ELS) Advanced article. Online posting date: 15thDecember 2010** Version 2:0a0022678. John Wiley&Sons, Ltd: Chichester. DOI: 10.1002/9 78047001 5902.a0002633.pub2. Wiley Online Library Book Article.
13. **S.Y. Dejgaard,** J.F. Presley. New Automated Single Cell Technique for Segmentation and Quantitation of Lipid Droplets. **J Histochem Cytochem 2014**; 62 (12): 889-90.
14. **S.Y. Dejgaard,** K. Dejgaard, J.F. Presley. Cell Staining: Fluorescent Labelling of the Golgi Apparatus. **Encyclopedia of Life Sciences (ELS) Advanced article. Article first published online: 14 May 2015** | DOI: 10.1002/9780470015902.a0002633.pub3.
15. **S.Y. Dejgaard,** J.F. Presley. New Method for Quantitation of Lipid Droplet Volume from Light Microscopic Images with an Application to Determination of PAT Protein Density on the Droplet Surface. **Journal of Histochemistry & Cytochemistry 2018** Jun; 66 (6):447-465. doi: 10.1369/0022155417753573. Epub 2018 Jan 23.
16. **S.Y. Dejgaard,** J.F. Presley. Online Public Access Programme. https://github.com/jfpresley2/**sy-dejgaard-**lipid-droplet-volume. (Ref. in **Journal of Histochemistry & Cytochemistry** 2018 Jun;66(6):447- 465. doi: 10.1369/0022155417753573. Epub 2018 Jan 23.)
17. **S.Y. Dejgaard,** J.F. Presley. Rab18: New Insights into the Function of an Essential Protein. Cellular and Molecular Life Sciences. Volume: 76 Issue: 10 Pages: 1935-1945 Published: MAY 2019
18. **S.Y. Dejgaard,** J.F. Presley. Rab18 regulates lipolysis via Arf/GBF1 and adipose triglyceride lipase. Biochemical and Biophysical Research Communications Volume: 520 Issue: 3 Pages: 526-531. Published: DEC 10 2019

19. **S.Y. Dejgaard,** J.F. Presley. Class II Arfs Require a Brefeldin-A-Sensitive Factor for Golgi Association. **Biochem Biophys Res Commun. 2020** Sept 10; 530 (1): 301-306. doi.org/10.1016/j.bbrc.2020.07. 001.

20. **S.Y. Dejgaard,** J.F. Presley. Interactions of lipid droplets with the intracellular transport machinery. **International Journal of Molecular Sciences 2021** Mar 9; 22 (5): 2776. doi: 10.3390/ijms22052776.

21. **R. Kumsal,** S. Yılmaz, **İ. Etikan, E. Celik. Asymptomatic Group A Beta Hemolytic Streptococci Pharyngeal Carriage In Northern Cyprus. Cyprus Journal of Medical Sciences 2023 Volume 8 Issue 3; 184-189. Doi: 10.4274/cjms.2022.2021-212**

22. **S.Y. Dejgaard,** J.F. Presley.Measurement of protein motion by photobleaching. **Methods Express Book: Cell Imaging Book Chapter**. Accepted for publication. **2017.**

23. **S.Y. Dejgaard,** J.F. Presley. Regulation of coat proteins in ER-Golgi-Lipid droplets. ((Yayına Hazırlanmakta)

7.2. ULUSLARARASI DİĞER HAKEMLİ DERGİLERDE YAYINLANAN MAKALELER

7. 3. PRESENTATIONS PUBLISHED IN JOURNALS/ABSTRACT BOOKS

7.3. International

1. International Summer School NATO/FEBS Summer School: Cellular Regulation by Protein Phosphorylation. Chateau La Londe Les Maures, France. S. Yilmaz and I. Ozer Estimation of ligand dissociation constants for rabbit muscle pyruvate kinase from the kinetics of inactivation by o-phythaldehyde. **Abstract Book**: 218. 2-18/09/**1990. Oral sunuma poster seçimi.**
2. International ISSX-Workshop on Glutathione S-Transferases. Noordwijkerhout, Holland. S. Yilmaz, M. Widersten and B. Mannervik. Construction of Novel Metal Coordinating sites in human GST A1-1. P104 **Abstract Book**: 139. 22-25/04/**1995.**
3. HUPO 2nd Annual & IUBMB XIX Joint World Congress, Montreal, Canada. Delege.C. E. Au, J. Hiding, A. Gilchrist, S. Dejgaard, F. Laporte, L. Roy, A. Bell, D. Boismenu, Z. Bencsath-Makkai, J. Paiment, R. Kearney, T. Nilsson, J. J. M. Bergeron. Proteomics Characterization of Rat Liver Golgi Fractions and Golgi-derived COPI Coatomer Decorated Vesicles. **MOLECULAR&CELLULAR PROTEOMİCS (MCP) 2003;** Vol.2, No.9: P78.15 Meeting Abstract Book: 858. Published: Sep 2003. 8-11/10/**2003.**
4. HUPO 3rd Annual World Congress, Beijing by American Society for Biochemistry and Molecular Biology (ASBMB). C. E. Au, A. Gilchrist, S. De Grandpre, F. Ciccarelli , J. Hiding, F. Laporte, L. Roy, A. Bell, D. Boismenu, Z. Bencsath-Makkai, P. Bork, S. Dejgaard, J. Paiment, R. Kearney, T. Nilsson, J. J. M. Bergeron. Tandem MS analysis of hepatic golgi apparatus and

isolated COPI vesicles revealed the critical involvement of COPI vesicles in retrograde traffic. **MOLECULAR&CELLULAR PROTEOMICS (MCP) Oct 2004**; 3 (10): S323. Meeting abstract book P28.2 Published: **Oct 2004.**

5. American Society for Cell Biology Annual Meeting, Washington, DC, USA. A. Murshid, S. Dejgaard, A. Srivastava, J. Greenberg, R. Lodge, T. Bach Nga Ly, J. Simpson, R. Pepperkok, J. F. Presley. A role for Rab18 implicated in the early secretory pathway. **MOLECULAR BIOLOGY OF THE CELL Nov 2004**; 15 (S): 191A. Meeting Abstract Book: P1058 B362 Published: Nov 2004. 04-08/12/**2004.**

6. Developmental Biology Research Initiative and Anatomy and Cell Biology Research Symposium, Mont St-Gabriel, Canada. S. Dejgaard, A. Murshid, A. Srivastava, J. Greenberg, R. Lodge, T.Bach Nga Ly, J. Simpson, R. Peperkok, J.F. Presley. Rabs, Arfs and Arls. A role for Rab18 implicated in the Early Secretory Pathway. **Abstract Book**: T19 24. 8-10/06/**2005.**

7. Molecular Membrane Biology Gordon Conference, Proctor Academy Andover, New Hampshire, USA. J. F. Presley, S. Y. Dejgaard, A. Murshid, J. Simpson, T. Bach Nga Ly, R. Lodge, R. Pepperkok. A role for Rab18 implicated in the Early Secretory Pathway. **Oral Presentation**: 10-15/7/**2005.**

8. American Society for Cell Biology 45th Annual Meeting, San Francisco, CA., USA. S. Y. Dejgaard, A. Murshid, J. Simpson, T. Bach Nga Ly, R. Lodge, R. Pepperkok and J. F. Presley. Rab18 and other Ras-like small GTPases implicated in the early secretory pathway. **Abstract Book**: L423. 10-14/12/**2005.**

9. Meeting on Cytoskeletal Dynamics, Montreal, Canada. J. F. Presley, S. Dejgaard. Dynamics and Localizations of Arfs 1-5 in Living Cells. **Abstract Book**: P12. 1-3/6/**2006.**

10. Anatomy&Cell Biology Research&Teaching Symposium, Mont St-Gabriel, Canada. S. Y. Dejgaard, A. Murshid, A. Srivastava, J. Greenberg, R. Lodge, T. Bach Nga Ly, J. Simpson, R. Pepperkok, J. F. Presley. Rabs, Arfs and Arls. Potential new roles in the early secretory pathway. Abstract Book: T14. 18. **Oral Presentation** by JFP. 15-16/06/**2006.**

11. American Society for Cell Biology 47th Annual Meeting, Washington DC. S. Y. Dejgaard, A. Murshid, Erman A., O. Kizilay, D. Verbich, R. Lodge, K. Dejgaard, T.B. Ly-Hartig, R. Pepperkok, J.C. Simpson, J. F. Presley. New Rab Proteins Involved in ER-Golgi Trafficking. Online Abstract Book: P1991 B340 Meeting Abstract: L423. 1-5/12/ **2007.**

12. American Society for Cell Biology 47th Annual Meeting, Washington DC. J. Chun, Z. Shapovalova, S. Y. Dejgaard, J. F. Presley, P. Melancon. Characterization of Arfs at the ERGIC in Live Cells. **Online Abstract Book:** P2112 B463 1-5/12/**2007**

13. American Society for Cell Biology Annual Meeting, Philadelphia. PA. S. DejgaardYilmaz, J.F. Presley. New Automated Methods to Quantitate Lipid Droplet Number, Fluorescence and Total Volume from Fluorescence Images. **MOLECULAR BIOLOGY OF THE CELL 2014** Dec 15; 25(25): 3987.doi:10.1091/mbc.E14-10-1437 **Online Abstract Book:** 1632: P2109 B632 6-10/12/**2014**.

14. American Society for Cell Biology Annual Meeting, San Diego, CA. S. Y. Dejgaard, J.F. Presley. New Method for Quantitation of Total Lipid Droplet Volume from Light Microscopic Images. **MOLECULAR BIOLOGY OF THE CELL l 2015** Dec 15; 26(25):4523. Doi:10.1091/mbc.E15-09-0674 **Online Abstract Book**: 601: P490 B1206 12-16/12/**2015.**

15. American Society for Cell Biology Annual Meeting, San Francisco, CA. S. Yilmaz Dejgaard, J.F. Presley. Quantitative Measure of Effect of PAT Protein Expression on Total Lipid Droplet Volume. **MOLECULAR BIOLOGY OF THE CELL 2016** Dec 15; 27(25):3947; **doi:10.1091/mbc.E16-10-0736 Online Abstract Book**: 1655: P2147 B1062 3-7/12/**2016.**

16. Annual Joint Meeting of the American-Society-for-Cell-Biology and the European-Molecular-Biology-Organization (ASCB/EMBO). Philadelphia, PA. December 02-06,2017. Dejgaard, S. Yilmaz; Luo, R.; Randazzo, P. A.; et al. Arf4 is Regulated by ArfGAP1 and Facilitates Sorting of ERGIC53 on pre-Golgi Membranes. **MOLECULAR BIOLOGY OF THE CELL** 2017 Dec 15; 28(26): 3727- 3895.doi.org/10.1091/mbc.E18-10-0647 **Meeting Abstract:** P1435 Published: 2017

17. Annual Joint Meeting of the American-Society-for-Cell-Biology and the EuropeanMolecular-Biology-Organization (ASCB/EMBO).) San Diego, CA. 8-12/12/**2018**. Dejgaard, S. Yilmaz; Presley, J. F. Arf4 Recruitment to Membranes is Highly Sensitive to Cterminal Tagging. **MOLECULAR BIOLOGY OF THE CELL** 2018 DEC 15; 29 (26), 3063-3063.https://doi.org/10.1091/mbc.E18-10-0647 **Meeting Abstract**: P3186 Published: DEC 15 2018

18. Annual Joint Meeting of the American-Society-for-Cell-Biology and the European-Molecular-Biology-Organization (ASCB/EMBO) 2019 Washington, DC . December 7-11. S. Yilmaz Dejgaard, J.F. Presley. Evidence that Rab18 and Class II Arfs regulate lipolysis and adipose triglyceride lipase association with lipid droplets in HeLa cells. **MOLECULAR BIOLOGY OF THE CELL** 2019 Dec 15;30 (26):3075. doi: 10.1091/mbc.E19-11-0617.

NATIONAL (TURKEY)

19. Turkish Biochemistry Society IX. National Congress. Antalya, Turkey. S. Yılmaz, İ. Özer. The inhibition of rabbit muscle pyruvate kinase by o-phthaldialdehyde. Journal of Biochemistry Congress Special Issue. **,** 14: 52-53, 1989. 19-23/11/**1989.**

20. Turkish Biochemistry Society XI. National Congress Antalya, Turkey. S. Yilmaz, İ. Özer. Trypsin inhibition in human plasma. **Abstract Book**: E22. 24-29/10/**1992.**

21. Turkish Biochemistry Society XIII. National Biochemistry Congress (with International Participitation). Antalya, Turkey. S. Yılmaz, İ, Özer. The factors influence he partitioning between the trypsin alpha1-proteinase inhibitor and alpha2-macroglobulin. **Abstract Book**: B09. 26-30/03/**1996.**

22. Pharmacogenetic Symposium on Personalized Medicine (with International Participitation). Yeditepe University, Istanbul,TR. Talk: Visualization Techniques in Cell Biology. Advances in Predictive and Personalized Medicine **Program and Abstract Book**: 1 ve 27-28. 10-12/09/**2009. Invited Lecture/Talk.**

23. Bilkent Üniversitesi Moleküler Biyoloji ve Genetik Bölümü Seminar Programme. Ankara, TR. Talk:: Rab 18 and Rab 43 have key roles in ER-Golgi trafficking: Confocal Microscopy-based screens.. Seminar Programme List 23/09/2009. **Invited Lecture/Talk.**

7.4. BOOKS/BOOK CHAPTERS (INTERNATIONAL)

1. **Glutathione S-Transferases: Structure, Function and Clinical Implications.** Glutathione transferases with novel properties generated by protein engineering and phage display. B. Mannervik, R. Bjornestedt, E. Davey, T. Emahazion, E. Fernandez, L.O. Hansson, R. H. Kolm, L. O. Nilsson, B. Olin, G. Stenberg, S. Tardioli, M. Widersten, **S.Yilmaz. London**, **1996**, Chapter 1: 1-13, N. P. E. Vermeulen et al. Taylor and Francis Editör: N. P. E. Vermeulen et al. Taylor and Francis, London, 1996. **Kitap Bölümü Yazarı.**

2. **Cell Staining: Fluorescent Labelling of the Golgi Apparatus.** S.Y. Dejgaard, K. Dejgaard, J.F. Presley. Encyclopedia of Life Sciences (ELS) Advanced article (Online Ansiklopedi). Online posting date: **15th December 2010** Version 2:0 a0022678. John Wiley&Sons, Ltd: Chichester. DOI: 10.1 002/9 780470015902.a0002633.pub2. Wiley Online **Ansiklopedi Makalesi.**

3. **Cell Staining: Fluorescent Labelling of the Golgi Apparatus.** S.Y. Dejgaard, K. Dejgaard, J.F. Presley. Encyclopedia of Life Sciences (ELS) Advanced Article (Online Ansiklopedi).Published online: **May 2015**. John Wiley&Sons, Ltd: Chichester. DOI:10.1002/9780470015902.a0002633.pub3. Wiley Online **Ansiklopedi Makalesi.**

4. **Metod Programı Yazımı:** https://github.com/jfpresley2/**sy-dejgaard-**lipid-droplet-volume. S.Y. Dejgaard, J.F. Presley. 2018

5. **Methods Express: Cell Imaging:** Measurement of protein motion by photobleaching. S.Y. Dejgaard, J.F. PresleyMethods Express Cell Imaging Book Chapter (**2017 Yayına Kabul Edildi**). **Kitap Bölümü Yazarı.**

8. RESEARCH PROJECTS

International

1. Collaborative research aggrement with McGill University on the current project: Quantitative Measure of Effect of Pat Protein Expression Level on Total Lipid Droplet Volume National Sciences and Engineering Research Council of Canada (NSERC Grant RGPIN 262040-11 and RGPAS 412298-1). 2014-Current. Academic Staff.

2. Collaborative research aggrement with McGill University on the current project: Arf4 is regulated by ArfGAPl and Facilitates Sorting of ERGIC53 from pre-Golgi membranes. National Sciences and Engineering Research Council of Canada (NSERC Grant RGPIN 262040-11 and RGPAS 412298-1). 2014-Current. Academic Staff.

3. National Sciences and Engineering Research Council of Canada (NSERC Grant RGPIN 262040-11. Roles of Rab18 in ER/Golgi Trafficking.'' 2011-2014. Academic Staff.

4. Rab18/Arf4/Lipid droplets: National Institutes of Health (NIH), Cell Biology and Metabolism Program, Section on Intracellular Protein Trafficking, National Institute of Child health and Human Development (NICHD), USA. 1-30/08/2012- 01/10/2012-03/02/2013. Visiting Academic Staff.

5. Regulation of Golgi Structure and Trafficking by Arfs: The Canadian Institutes for Health Research (CIHR) MOP-94863 Grant, 2002-2010. Academic Staff.

6. Role and Dynamics of COPI on Golgi Membranes: The Canadian Institutes for Health Research (CIHR) MOP-49590 Grant, 2002-2010. Academic Staff.

7. McGill University Faculty of Medicine Confocal Microscopy Centres: Consolidated Maintenance and Equipment (CME) Grant-PRG80153, 2002-2010. Academic Staff.

8. The Canadian Institutes for Health Research (CIHR) Posdoctoral Fellowship. Project: Golgi Membrane and Trafficking/Proteomics Training scholarship, 1/3/2001-30/6/2002. Post-doctoral Fellow.

9. TUBITAK/Deutsche Forschungsgemeinschaft (DFG) Scholarship. Production of Oct-4 Transcription factor antibody.1997. Post-doctoral Fellow.

10. The European Molecular Biology Laboratory (EMBL) Postdoctoral Fellowship. EMBL Gene Expression Training Grant. Biotech Grant (Schöler/ BIO4/CT98-0120). Project: Target Gene Identification of Oct-4 in the Mammalian Germline Training Grant. EMBL Cell Biology Training Grant. Project: COPI Dynamics on the Golgi Membrane of Living Cells. 1/7/1997-1/3/2001. Post-doctoral Fellow.

11. Glutathione transferases: Structure and Activities: Swedish Institute (SI) Research Scholarship. Predoctoral Research Scholarship.1/9/ 1993- 1/7/1995. Pre-doctoral Fellow.

National (Turkey)

12. TUBITAK/Deutsche Forschungsgemeinschaft (DFG) Scholarship. Production of Oct-4 Transcription factor antibody.1997. Academic Staff.

13. TUBITAK Grant. The factors influence the partitoning between Trypsin a_1-proteinase inhibitor and a_2-macroglobulin: TUBITAK Project TBAG-1395. Ankara, TR. 1997. Academic Staff.

14. TUBITAK **/**Hacettepe University Research Grant. Tripsinin a_1-proteinaz inhibitörü ve a_2-makroglobulin arasında paylaşımını etkileyen faktörler: Ankara, TR. 1997. Academic Staff.

15. TUBITAK Grant. Alpha-1-proteinase inhibitor and serine proteases: TUBITAK Project TBAG-1127. Ankara, TR. 1994. Doctoral student.

16. Hacettepe University Research Grant. Alpha-1-proteinase inhibitor and serine proteases: Hacettepe University Project AFP 92.03.013.004. 1993. Doctoral student.

9. MEMBERSHIPS TO PROFESSIONAL SOCIETIES/PROFESSIONAL ACTIVITIES

1. Turkish Society of Biochemistry Board Member and Accounter. 1991-1992.
2. HUPO 2nd Annual & IUBMB XIX Joint World Congress), Montreal, Kanada. 2003. Delegate.
3. Near East University, Continuing Education in Medicine (STE) Programme. 2016. Coordinator.

10. MEMBERSHIPS TO PROFESSIONAL SOCIETIES

1. Turkish Society of Biochemistry
2. The Federation of European Biochemical Societies (FEBS)
3. International Union of Biochemistry and Molecular Biology (IUMB)
4. Ankara Society of Pharmaceutical Sciences
5. Turkish Pharmacist Union
6. Hacettepe University Alumni Association of Faculty of Pharmacy
7. The Swedish Institute Scholars
8. The European Molecular Biology Laboratory (EMBL) Alumni Association
9. The Association of McGill University Research Employees (Alumni)

11. PROFESSIONAL AWARDS/SCHOLARSHIPS/FELLOWSHIPS/GRANTS

1. 1986 T.C. Ankara University Faculty of Pharmacy Intensive-Additional Vocational Training Courses (MİEP) Achievement Certificate. Ankara, TR. 17-23/12/1986

3. 1990 . NATO/FEBS Scholarship for NATO/FEBS Summer school on "Cellular Regulation by Protein Phosphorylation''. France, 2-18/9/ 1990. Doctoral student.

4. 1990 TUBITAK Travel Award for NATO/FEBS Summer school on "Cellular Regulation by Protein Phosphorylation". France, 2-18/9/ 1990. Doctoral student.

5. 1991 International Olympic Committee Certificate in the Sports Medicine in 'Anti-Doping Education and Legal Aspects of Doping Control', Ankara, TR. 1-3/5/1991. Doctoral student.

6. 1991 FEBS Scholarship for FEBS Practical Course on "Techniques in Cell Biology". Aarhus, Denmark, 10-16/6/,1991. Doctoral student.

7. 1991 Deutscher Academisher Austausch Dienst (DAAD)(Goethe Institute Language Programme) Scholarship. Iserlohn, Germany, 2/7-23/8/ 1991. Doctoral student.

8. 1993 Hacettepe University Research Grant. Alpha-1-proteinase inhibitor and serine proteases: Hacettepe University Project AFP 92.03.013.004. 1993. Doctoral student.

9. TUBITAK Grant. Alpha-1-proteinase inhibitor and serine proteases: TUBITAK Project TBAG-1127. Ankara, TR. 1994. Doctoral student.

10. 1993-1995 Swedish Institute (SI) Research Scholarship. Pre-doctoral Fellow Scholarship. Uppsala, Sweden, 1/9/ 1993- 1/7/1995. Pre-doctoral Fellow.

11. 1995 The International Society for the Study of Xenobiotics (ISSX)-Workshop on Glutathione S-Transferases. Noordwijkerhout, Hollanda, 22-25/04/1995. Pre-doctoral Fellow.

12. 1997 TUBITAK Grant. The factors influence the partitoning between Trypsin a_1-proteinase inhibitor and a_2-macroglobulin: TUBITAK Project TBAG-1395. Ankara, TR. 1997. Academic Staff.

13. 1997 Technical Research Council of Turkey (TUBITAK)/ DeutscheForschungsgemeinschaft (DFG) Research Award. Germany, 1997. Post-doctoral Fellow.EMBL Heidelberg, Germany. Academic Staff.

14. 1997-2001 The European Molecular Biology Laboratory (EMBL) Postdoctoral Fellowship. EMBL GeneExpression Training Grant. Biotech Grant (Schöler/ BIO4/CT98-0120). EMBL Cell Biology Training Grant. Heidelberg, Germany. 1/7/1997-1/3/2001. Post-doctoral Fellow.

15. 2001-2002 The Canadian Institutes of Health Research (CIHR) Postdoctoral Fellowship. CIHR Membrane Trafficking/Proteomics Training Grants. Montreal, Canada. 1/3/2001-1/7/2002. Postdoctoral Fellow.

16. 2001 The National Research Council Canada (NRC-CNRC) Canadian Bioinformatics Resource Basic Training.Montreal, Canada, 15-19/10/2001. Postdoctoral Fellow.

17. 2002-2010 Regulation of Golgi Structure and Trafficking by Arfs: The Canadian Institutes for Health Research (CIHR) MOP-94863 Grant, 2002-2010. Montreal, Canada. Academic Staff.

18. 2002-2010 Role and Dynamics of COPI on Golgi Membranes: The Canadian Institutes for Health Research (CIHR) MOP-49590 Grant 2002-2010. Montreal, Canada. Academic Staff.

19. 2002 – 2010 McGill University Faculty of Medicine Confocal Microscopy Centres: Consolidated Maintenance and Equipment (CME) Grant-PRG80153, 2002-2010. Montreal, Canada. Academic Staff.

20. 2004 Journal Award, Current Issues in Molecular Biology, Review. Cover Page.

21. 2008 Journal Award (2 Award), The Journal of Biological Chemistry (JBC), Paper of the Week and Cover Page.

22. 2008 Montreal University with IRBV, Jardin Botanique and Zeiss Summer Course on Advanced Fluorescence and Cofocal Laser Scanning Microscopy. Canada, 2-5/6/2008.

23. 2008 McGill Life Sciences Complex Imaging Facility, Hands on Image Processing Workshop. 11-13/6/2008.

24. 2009 McGill University Imaging Facility and Zeiss Super Resolution Microscopy Workshop, Montreal, Canada 08/05//2009-27/10/2009.

25. 2010 Fifteenth Annual Course on 3D Microscopy of Living Cells, Certificate Program, Vancouver, Canada, 12-24/6/2010.

26. 2011 The Research Institute of the McGill University Health Center 2011 Workshop on Clinical and Applied Proteomics. Canada, 26/4/2011.

27. 2012 The Research Institute of the McGill University Health Center 2012 Workshop on Clinical and Chemical Proteomics. Canada, 26/4/2012.

28. 2012 National Institutes of Health (NIH), Cell Biology and Metabolism Program, Section on Intracellular Protein Trafficking, National Institute of Child health and Human Development (NICHD), Guest Senior Research Associate. Bethesda, USA, 1-30/08/2012- 01/10/2012-03/02/2013.

29. 2011 -2014 National Sciences and Engineering Research Council of Canada (NSERC Grant RGPIN 262040-11. Roles of Rab18 in ER/Golgi Trafficking.'' Quantitative Measure of Effect of Pat Protein Expression Level on Total Lipid Droplet Volume'' NSERC Grant RGPIN 262040-11 and NSERC Grant RGPAS 412298-11. Academic Staff.

30. 2014- Current Collaborative research aggrement with McGill University on the current projects: ''Quantitative Measure of Effect of Pat Protein Expression Level on Total Lipid Droplet Volume.'' NSERC Grant RGPIN 262040-11 and NSERC Grant RGPAS 412298-11. Academic Staff.

31. 2014- Current Collaborative research aggrement with McGill University on the current project: Roles of Rab18 in ER/Golgi Trafficking /Arf4 is regulated by ArfGAPl and Facilitates Sorting of ERGIC53 from pre-Golgi membranes. NSERC Grant RGPIN 262040-11 and NSERC Grant RGPAS 412298-11. Academic Staff.

12. TEACHING

GRADUATE LEVEL

MOM601

UNDERGRADUATE

Medical Biology (Near East University Faculty of Medicine 2014-2024)

12. 2. Near East University Faculty of Medicine Phase I Committees Medical Biology Courses (2014-Current, Turkish and English Groups)

- Cell Sciences I: Introduction to Molecular and Cellular Biology:Cell, Organelles, Cell membranes, Cytoskeleton, Extracellular matrix, Cell Junctions, Signal Mechanisms, Mitochondria, DNA&Chromatin Structure and function, Chromosome Structure and abnormalities

- Cell Sciences II: DNA replication, Central Dogma, RNA structure & Transcription, Post-transcriptional modifications, Genetic code, Protein Synthesis, Regulation of Genetic Mechanism & Diseases, Mutagenesis, DNA Repair, Molecular basis of Diseases

- Cell Sciences III: The Cell Cycle and its Control, Mitosis, Meiosis, Stem Cells, Gameteogenesis, Cell Death (Apoptosis), Cancer Genetics
- Cell Sciences IV: Molecular Genetics Techniques, Problem Based learning (PBL) Applications and Molecular Genetics Techniques (Visual Presentations)

12.3. Near East University Faculty of Dentistry Phase I Bases of Life and Tissues&Embr Committees Medical Biology courses (2019-2024)

Faculty of Dentistry, Phase I Bases of Life Committee Medical Biology Courses (Turkish and English Groups)

- Cell Sciences I: Introduction to Molecular and Cellular Biology:Cell, Organelles, Cell membranes, Signal Mechanisms

- The Cell Cycle and its Control, Mitosis, Meiosis, DNA replication, Central Dogma, RNA structure & Transcription, Post-transcriptional modifications, Genetic code, Protein Synthesis, Mutagenesis, DNA Repair, Cancer Genetics, Molecular basis of Diseases

12.4. Medical Biochemistry (Near East University Faculty of Pharmacy (2022-2023-Fall)

Biochemistry 3 credit course (English Group): Basic Biochemistry