



Curriculum Vitae

Professor Yusuf TUTAR

Address : University of Health Sciences
Faculty of Pharmacy
Biochemistry Division &
Health Sciences Institute
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RESEARCH INTEREST

- Molecular Cancer Research and Epigenetics.
- Drug design, docking, molecular dynamics.
- Non-coding RNA (miRNA, pseudogenes)
- Prion.
- Investigating structure-function relationship of biological macromolecules with biochemical, biophysical, genetics and molecular biological methods.

EDUCATION

Degree	Year	Department	University
Postdoc	2003-2005	Biochemistry and Genetics	National Institute of Health, NIDDK
Postdoc	2002-2003	Molecular Biology and Biochemistry	Rutgers University
Graduate PhD	1998-2003	Biochemistry	Texas Tech University
Graduate MSc	1996-1998	Biochemistry and Biophysics	Oregon State University
Under Graduate	1990-1994	Chemistry	Cumhuriyet University



SCI INDEXED SCIENTIFIC PUBLICATIONS

1. The Role of Cysteine Cathepsins in Cancer Progression and Drug Resistance
Int J Mol Sci. 2019 Jul 23;20(14) Rudzińska M, Parodi A, Soond SM, Vinarov AZ, Korolev DO, Morozov AO, Daglioglu C, **Tutar Y**, Zamyatnin AA Jr.
2. Non-coding RNAs in lung cancer. **J Thorac Dis** 2019;11(3):S245-S248.
Tutar E, **Tutar Y**. Invited Editorial.
3. Involvement of miRNAs and Pseudogenes in Cancer.
Methods in Molecular Biology, Springer, 1699, ISBN 978-1-4939-7433-7, 2018.
Tutar L, Ozgur A, **Tutar Y**.
4. Oxidative Stress in Metabolic Disorders and Drug-Induced Injury: The Potential Role of Nrf2 and PPARs Activators.
Oxidative Medicine & Cellular Longevity, 2018.
Mahmoud M, Alexander Y, **Tutar Y**, Wilkinson FL, Venditti A.
5. Determination of Optimum Operation Parameters for Low-intensity Pulsed Ultrasound and Low Level Laser Based Treatment to Induce Proliferation of Osteoblast and Fibroblast Cells
Photomedicine and Laser Surgery, 2017, DOI: 10.1089/pho.2017.4354
Coskun ME, Coskun KA, **Tutar Y**.
6. Tumor Targeting of Polymeric Nanoparticles Conjugated with Peptides, Saccharides, and Small Molecules for Anticancer Drugs, **Current Pharmaceutical Design**, 2017, 23, 1-9
Bayram B, Özgür A, Tutar L, **Tutar Y**.
7. Anti-Cancer Activities of Manganese Based Photoactivatable CO-Releasing Complexes (PhotoCORMs) with Benzimidazole Derivative Ligands. **Transition Metal Chem.**, 2017, In Press
Üstün E., Özgür A., Coskun KA, Demir S., Özdemir İ., **Tutar Y**.
8. Structure-Function Based Drug Design for Cancer Therapeutics
Current Pharmaceutical Biotechnology, 2016, 17,14, 1
Tutar Y.
9. Design, Synthesis, and evaluation of Heat Shock Protein 90 Inhibitors In Human Breast Cancer and Its Metastasis
Current Pharmaceutical Biotechnology, 2016 17:14, 2-17.
Gümüş M, Özgür, A, Tutar L, Koca İ, **Tutar Y**.
10. Regulation of oncogenic genes by MicroRNAs and pseudogenes in human lung cancer.
Tutar Y, Özgür A, Tutar E, Tutar L, Pulliero A, Izzotti A.
Biomed Pharmacother. 2016 Aug 20; 83:1182-1190
11. Co-Releasing Properties and Anti-Cancer Activities of Novel Manganese Complexes with Imidazole/Benzimidazole Ligands. **Journal of Coordination Chemistry**, 2016
Üstün E., Özgür A., Coskun KA, Demir S., Özdemir İ., **Tutar Y**.
12. Design and synthesis of pyrimidinyl acyl thioureas as novel Hsp90 inhibitors in invasive ductal breast cancer and its bone metastasis. **Eur J Med Chem**, 2016:122:280-290.
Koca İ, Özgür A, Er M, Gümüş M, Açikalin Coşkun K, **Tutar Y**.
13. Heat Shock Protein 90 Inhibition in Cancer Drug Discovery: From Chemistry to Futural Clinical Applications.
Anticancer Agents in Medicinal Chemistry, 2016. 16(3):280-90.
Ozgur A, **Tutar Y**.



14. Therapeutic Targeting of microRNAs in Cancer: Future Perspectives.
Drug Development Research, 2015. 76(7):382-8. doi: 10.1002/ddr.21273.
Tutar L, Tutar E, Ozgur A, **Tutar Y.**
15. A Novel Approach to Inhibit Heat Shock Response as Anticancer Strategy by Coumarine Compounds Containing Thiazole Skeleton.
Anticancer Agents in Medicinal Chemistry, 2015. [Epub ahead of print]
PMID: 25846761.
Koca I, Gumus M, Ozgur A, Disli A, **Tutar Y.**
16. Isolation and characterization of Heat Shock Protein 100 from *Toxoplasma gondii* RH Strain.
Experimental Parasitology, 2015 Feb 26;153:91-97. doi: 10.1016/j.exppara.2015.02.007. [Epub ahead of print]
PMID:25728232
Coskun KA, **Tutar Y.**
17. Acyl Thiourea Derivatives Containing Pyrazole Ring Selective Targeting of Human Aurora Kinases in Breast and Bone Cancer.
Letters in Drug Design & Discovery Vol. 12, 1, 2015.
Ozgur A, Yenidunya E, Koca I, **Tutar Y.**
18. Prion; Mechanism and Function-Editorial.
Current Pharmaceutical Biotechnology, 2014, Vol. 15, No. 11.
Tutar Y.
19. Regulation of Heat Shock Proteins by miRNAs in Human Breast Cancer.
MicroRNA Vol. 3, No.2, 2014.
Ozgur A, Tutar L, **Tutar Y.**
20. Heat Shock Protein 90 Inhibitors in Oncology.
Current Proteomics. 2014 July;11 (2):1-9.
Aykut O, **Tutar Y.**
21. Controlled Release and Drug Delivery in Diseases-Editorial.
Protein and Peptide Letters. 2014, 21 (11):1.
Tutar Y.
22. miRNA and Cancer; computational and experimental approaches
Curr Pharm Biotechnol. 2014, 15 (5):429.
Tutar Y.
23. miRNA and Cancer; an overview.
Curr Pharm Biotechnol. 2014, 15 (5):430-437.
Tutar L, Tutar E, **Tutar Y.**
24. Synthesis, molecular docking, and antitumoral activity of alnustone-like compounds against estrogen receptor alpha-positive human breast cancer. **Turkish Journal of Chemistry**. 2014, DOI: 10.3906/kim-1408-72.
Küçüköğlu K, Seçinti H, Özgür A, Seçen H, Tutar Y.
25. The Relation Between microRNA 221, 222, 146b and p27Kip1 Protein mRNA Secretions and Clinicopathological Parameters in Thyroid Cancers and the Alteration of miRNA Secretion in the presence of Hashimoto Thyroiditis.
Experimental and Clinical Endocrinology & Diabetes. 2014 Mar;122(3):137-143.
Acibucu F, Dokmetas S, **Tutar Y.**, Elagoz S, Kilicli F.



26. Dynamic Fluctuations Provide the Basis of a Conformational Switch Mechanism in Apo Cyclic AMP Receptor Protein.
Plos Computational Biology. 2013 Jul;9(7): e1003141.
Fas B.A., Tutar Y., Haliloglu T.
27. Important Clinical Applications of Protein Based Nanoparticles.
Current Proteomics. Vol 10 (4) 334-340, 2013.
Ergul M, Ergul M, Tutar Y.
28. Isolation and Identification of Free Living Environmental Isolates of Amoebae Samples in Sivas, Turkey.
Biomed Research International. Volume 2013 (2013), Article ID 675145.
Coskun A., Celik S, Tutar L, Elaldi N, Tutar Y.
29. Reply to Letter to the Editor:
The Role of Preoperative Oxidative Stress and Mandibular Third Molar Postoperative Outcome.
Int J Oral and Maxill Surg.2013 Nov; 42(11):1500-1501.
Gulnihar Y., Kosger H. H., Tutar Y.
30. Gok1-Hsp40 Isolation from *Toxoplasma gondii*.
Protein and Peptide Letters, 2013 Dec; 20(12):1294-1302.
Coskun.A., Ozgur A, Otag B., Mungan M, Tutar Y.
31. Therapeutic Proteins.
Protein and Peptide Letters, 2013 Dec; 20(12):1365-1373.
Ozgur A., Tutar Y.
32. Prelude to Therapeutic Proteins.
Protein and Peptide Letters, 2013 Dec; 20(12):1293.
Tutar Y.
33. Synthesis and Anticancer Activity of Acyl Thioure as Bearing Pyrazole Moiety.
Bioorg Med Chem. 2013 Jul 1, 21(13): 3859-3865.
Koca I, Ozgür A, Coskun A, Tutar Y.
34. Hsp70 from *Cyprinion macrostomus macrostomus* and *Garra rufa obtuse*:
Stability and Stability-Dependent Activity. **Biochemistry** (Moscow) 2013, 78 (5) 531-538.
Tutar Y., Coskun A., Tutar L.
35. A Comparison of Piezo Surgery and Conventional Surgery by Hsp70 Expression.
Int J Oral and Maxill Surg.2013 Apr;42(4):508-10.
Gulnihar Y., Kosger H. H., Tutar Y.
36. Pseudogenes.
Comparative and Functional Genomics. 2012, doi: 10.1155/2012/424526.
TutarY.
37. Neglected role of cAMP receptor protein monomer.
Mol Biol Rep. 2012 39 (4) 4261-4265.
Tutar Y.
38. Heat Shock Protein 70 Purification and Characterization from *Cyprinion macrastomus macrastomus* and *Garra rufa obtuse*.
J. Thermal Biology. 2012 37 95-99.
Tutar Y., Okan S.



39. Hsp70 in Oncology.
Recent Pat DNA Gene Seq. 2011 5 (3) 214-218.
Tutar Y.
40. Heat, pH Induced Aggregation and Surface Hydrophobicity of *S. cerevisiae* Ssa1 protein.
Protein J. 2010 29 (7) 501-508.
Tutar Y., Arslan D., Tutar L.
41. Editorial.
Curr Pharm Biotechnol. 2010 11 (2) 138.
Tutar Y.
42. Heat Shock Proteins; An Overview
Curr Pharm Biotechnol. 2010 11 (2) 216-222.
Tutar L., Tutar Y.
43. Prelude; Cellular Mechanics. Theme Issue.
Guest Editor **Protein and Peptide Letters** 2009 16 (6) 570.
Tutar Y.
44. Syn-, anti-, and Finally Both: cyclic AMP Conformation Altered CRP Dependent Transcription Initiation Mechanism In *E. coli lac* Operon.
Cell. Biochem. Funct. 2008 Jun;26 (4):399-405. Review
Tutar Y.
45. Ydj1 but not Sis1 stabilize Hsp70 protein in vitro.
Biopolymers. 2008 Mar;89(3):171-174.
Tutar L., Tutar Y.
46. Chemical linkage at allosteric activation of *E. coli* cAMP receptor protein.
Protein Journal. 2008 Jan;27(1):21-29.
Tutar Y.
47. Therapeutic Use of Heat Shock Protein 70
Recent Patents on DNA & Gene Sequences. 2007 2 (3) 125-127
Tutar Y.
48. CRP Subunit Association and Hinge Conformation Changes in Response to cAMP binding: Analysis of C-helix Cysteine Substituted CRP.
Biochemistry 2006 45 (45) 13438-13446.
Tomlinson S.R., Tutar Y., Harman J.G.
49. Effect of Salt Bridge on Transcription Activation of CRP Dependent Lactose Operon in *E. coli*.
Archives of Biochemistry and Biophysics. 2006 453 (2) 217-223.
Tutar Y., Harman J. G.
50. Heat Shock Proteins, Substrate Specificity, and Modulation of Function.
Protein and Peptide Letters. 2006 13 (7) 699-705.
Tutar Y.
51. Key Residues Involved in Hsp70 Regulatory Activity and Effect of Co-chaperones on Mechanism of Action.
Protein and Peptide Letters. 2006 13 (7) 693-698.
Tutar Y.



52. Dimerization and Ion Binding Properties of S100P Protein.
Protein and peptide Letters. 2006 13 (3) 301-306.
Tutar Y.
53. Target Peptide Recognition by S100P Protein and Role of Central Linker Region
Protein and Peptide Letters. 2006 13 (3) 307-311.
Tutar Y.
54. Primate Chaperones Hsc70 (constitutive) and Hsp70 (induced) Differ Functionally in Supporting Growth and Prion Propagation in *Saccharomyces cerevisiae*.
Genetics. 2006 172 (2) 851-861.
Tutar Y., Song Y., Masison D.C.
55. Role for Hsp70 Chaperone in *Saccharomyces cerevisiae* Prion seed replication.
Eukaryotic Cell. 2005 (2) 289-297.
Song Y., Wu Y.X., Jung G., **Tutar Y.**, Eisenburg E., Masison D.C.
56. CRP L124 Interaction with cAMPAffects CRP cAMPBinding Constants, cAMPBinding Cooperativity, and CRP Allostery.
Biochemistry 2003 42 (13) 3759-3765.
Tomlinson S. R., **Tutar Y.**, Harman J. G.

BOOK/BOOK CHAPTERS

57. Nutrients, Bioactive Compounds, and Health Benefits of Functional and Medicinal Beverages in book: Nutrients in Beverages. Eds Grumezescu A, Holbandoi A. Vol 12, p 175-235, 2019. 10.1016/B978-0-12-816842-4.00006-X
Akyuz EY, Aytekin O, Bayram B, **Tutar Y.**
58. Becker's World of the Cell, Hardin J, Bertoni GP, Kleinsmith LJ.
"Bioenergy" ISBN 9786052823033 Turkish Translation, Palme Publication.
Tutar E, **Tutar Y.**
59. Becker's World of the Cell, Hardin J, Bertoni GP, Kleinsmith LJ.
"Enzymes" ISBN 9786052823033 Turkish Translation, Palme Publication.
Pençe HH, **Tutar Y.**
60. Involvement of miRNAs and Pseudogenes in Cancer.
Methods in Molecular Biology, Springer, 2018.
Tutar L, Ozgur A, **Tutar Y.**
61. Isothermal Titration Calorimetry.
Essential Techniques for Medical and Life Scientists: A guide to contemporary methods and current applications with the protocols, Bentham, 2018.
Aytekin O, Akyuz EY, Bayram B, **Tutar Y**
62. Recent Advances in Nutrigenomics: Patent Applications
Topics in Anti-Cancer Research: Volume 7, 202-220. ISBN 9781681086279
Akyuz EY, Aytekin O, Bayram B, **Tutar Y**
63. Nutrigenomics: Implications for Cancer Prevention
Functional Foods and Cancer: Functional Foods in Integrative Oncology
ISBN-13: 978-1976255342



- Food Science Publisher, 157-185, 2017
Bayram B, Akyüz EY, Aytekin O, **Tutar Y.**
64. Plasma Medicine: Concepts and Clinical Applications, In Tech 2018.
DOI: 10.5772/intechopen.68652, ISBN: 978-1-78923-113-7
Tutar L, **Tutar Y.**
65. Current Understanding of Apoptosis, Editor, In Tech 2018
Tutar L, **Tutar Y.**
66. Prion; an overview.
InTech, ISBN: 978-953-51-3002-4, DOI: 10.5772/63289, 2017.
Tutar Y.
67. Recent Developments in Anticancer Agents
Targeting Heat Shock Proteins
Topics in Anti-Cancer Research, 2016, Vol. 5, 3-22
Özgür A, Bayram B, Tutar L, **Tutar Y.**
68. Treatment of Colorectal Liver Metastasis
Clinical Diagnosis and Therapy of Colorectal Cancer, eBook, 2015, OMICS Group International.
Tutar Y.
69. Biochemistry Laboratory Notes.
Cumhuriyet University, 2015.
Mısır M, Özsoy C, **Tutar Y.**
70. Heat Shock Response Agents and the Diseases.
Frontiers in Protein and Peptide Science, vol 1, 139-160, 2014, Bentham Publication.
Tutar L., Ozgur A., Tutar E., Coskun A., **Tutar Y.**
71. Anti-apoptotic and Oncogenic Function of HSP27
Frontiers in Protein and Peptide Science, vol 1, 75-90, 2014, Bentham Publication.
Tutar Y., Ozgur A., Tutar E., Coskun A., Tutar L.
72. *Toxoplasma gondii* and Heat Shock Proteins in Microbial Pathogens and Strategies for Combating Them: Science, Technology and Education, Microbiology Book series #4, Formatex Publication, 2013, ISBN (13) Volume 3: 978-84-942134-1-0.
Ozgur A., Coskun A., Tutar L, Tutar E, **Tutar Y.**
73. Neurodegenerative Diseases, Role of Protein Aggregation in Neurodegenerative Diseases.
In Tech, 2012, ISBN: 980-953-307-722-7.
Tutar Y., Ozgur A., Tutar L.
74. Instant Notes In Biochemistry, B. D. Hames, N.M. Hooper, Taylor & Francis
"Enzymes" ISBN 978-605-395-288-6 Turkish Translation (83-111) Nobel Publication (1479) 2010.
Tutar L., **Tutar Y.**
75. Instant Notes In Biochemistry, B. D. Hames, N.M. Hooper, Taylor & Francis
"Amino acids" ISBN 978-605-395-288-6 Turkish Translation (29-81), Nobel Publication (1479) 2010.
Tutar L., **Tutar Y.**



OTHER SCIENTIFIC PUBLICATIONS

76. N-Acetyl Cysteine and Metal Nanoparticles Internalization: A Critical Methodological Aspect
Journal of Bionanosciences, 2018, 12, 1-5.
Gholinejad Z, Ghasemian A, **Tutar Y**, Saboory E, Rasmi Y.
77. New Generation Cancer Drug Studies: Hsp90 Inhibitors
Single Cell Biol 2016, 5:4.
Tutar L, Coskun KA, **Tutar Y**.
78. Effect of New Water-Soluble Dendritic Phthalocyanines on Human Colorectal and Liver Cancer Cell Lines
Journal of Natural and Applied Sciences, 2017
Yabas E, Sülü M, Ozgur A, **Tutar Y**.
79. Nutraceuticals and Its Therapeutic Applications
Journal Advanced Techniques in Biology and Medicine, 2016, 4:2
Tutar Y.
80. Editor's Note
Drug Designing 2016, 5:3.
Tutar Y.
81. Editor Note: Single Cell Biology
Single Cell Biol 2016, 5:2.
Tutar Y.
82. Current Drug Design Studies for Hsp70 in Oncological Applications
Cell Dev Biol 2016, 5:2
Coskun KA, Tutar L, **Tutar Y**.
83. Drug Dependent Stress and Heat Shock Protein Response
Journal of Drug Abuse 2:2, 28, 2016.
Coskun KA, Tutar L, **Tutar Y**.
84. Structure Based Drug Design for Heat Shock Proteins
Drug Designing 5:2, 2016.
Tutar L, Coskun KA, **Tutar Y**.
85. Heat Shock Protein as Emerging Oncologic Drug Targets.
J Dev Drugs 5: 155, 2016.
Tutar L, Coskun KA, **Tutar Y**.
86. Aurora Kinase Inhibitors in Target Specific Cancer Treatment
Journal of Pharmacy and Pharmaceutical Sciences, 2016, Vol 5, 1: 19.
Tutar Y.
87. Heat Shock Proteins: An Important Targets for Development of Next Generation Cancer Drugs
Journal of Pharmacy and Pharmaceutical Sciences, 2016, Vol 5, 1: 67-68.
Ozgur A, **Tutar Y**.
88. Target Specific Cancer Treatment with Carbon Monoxide Releasing Molecules.
JJ Drug Metabol. 2015, 1(1): 004.



Tutar Y.

89. MicroRNAs in Oncology
Global Journal of Biotechnology and Biomaterial Science. 2015, 1(1):009.
Tutar Y.
90. Diazepine Derivative Compounds as Heat Shock Protein 90 Inhibitor in Oncology.
Drug Designing 2015.
Tutar Y.
91. Inhibition of Heat Shock Protein 70 and 90 (Hsp70 and Hsp90) in Target Spesific Cancer Treatment
Advanced Techniques in Biology & Medicine 2015, 3(2),1000e109.
Tutar Y.
92. Heat Shock Protein 90 c-Terminal Inhibitors in Cancer Treatment.
Int J Pharm Sci Dev Res 1(1): 001, 2015.
Tutar Y.
93. Heat Shock Proteins, microRNAs, and Drug Design Studies in Medicinal Chemistry.
Single Cell Biology, 2015.
Tutar Y.
94. Biomimetic marine material Chitosan and its applications.
Single Cell Biology, 2015.
Tutar Y.
95. Pyrimidine Derivative Compounds as HSP90 Inhibitors in Cancer Treatment.
J Drug Metabol. 2015, 1(1): 002.
Tutar Y.
96. Oral Health Related Quality of Life in Indian Patients with Tempero mandibular Disorders.
Journal of Cranio-Maxillary Diseases 2015.
Tutar Y.
97. Effect of Strontium Chloride on Experimental Bladder Inflammation in Rat.
International Scholarly Research 2014.
Korgali E, Dundar G, Coşkun KA, Akyol M, **Tutar Y**, Ayan S, Gokce G, Gültekin EY.
98. Editorial; Drug Candidates for Heat Shock Protein 90 Inhibition.
Drug Designing 2013 (3) 1.
Tutar Y.
99. Ssa1 function in the presence of nucleotide and Ssa1 oligomeric properties.
Cumhuriyet Medical Journal2011 (33) 26-32.
Tutar Y.
100. Yeast Prions.
Basic and Clinical Sciences 2010 (1) 45-51.
Tutar Y.



AWARDS & HONORS

1. Board Member, World Association of Medical Editors, USA, 2014
2. Visiting Scientist, National Institute of Health, Cancer Institute, 2011
3. Outstanding Young Scientist Award, Turkish National Academy of Sciences, 2008
4. Principal Investigator Fellowship, FEBS, 2007
5. Young Scientist Fellowship, FEBS, 2006
6. Fellows award for research Excellence, National Institute of Health, 2005
7. Visiting Fellow, National Institute of Health, 2003
8. University Scholarship, Texas Tech University, 2002
9. Teaching Academy Fellow, Texas Tech University, 2002
10. Outstanding Teaching Assistant, Texas Tech University, 2002
11. Outstanding Research in Biological Science, E. New Mexico University, 2002
12. Travel and accommodation award, Texas Tech University, 2001
13. Honor Society Membership, Texas Tech University, 2000-Current
14. National Scholarship for graduate studies in the USA, Turkish Ministry of Education, 1995
15. Graduated with honors, Cumhuriyet University, Turkey, 1994

EDITORSHIP

1. Medicinal Chemistry eBook Advisory Board-Bentham
2. Anti-Cancer Agents in Medicinal Chemistry.
3. Clinical Cancer Drugs
4. Current Signal Transduction Therapy.
5. Turkish Journal of Biology
6. Drug Delivery Letters.

PROJECTS

CCHF Vaccine, Horizon 2020 Project
EU, 2017
Partner, Tutar Y.

Synthesis and Anticancer Activity Studies of New Hybrid Heterocyclic Compounds Containing Pyrazole Coumarin Rings
Tubitak 116Z053
Koca I., Tutar Y

Investigation of human Hsp70 Protein Inhibition Mechanisms for Drug Designing.
Tubitak, 114Z365. COST Project.
Tutar Y.



Investigating ATM, DNA Double Strand Damage Sensor, and It's S198A mutants Secondary Structure.

Tübitak 116Z360

Pektas S, **Tutar Y**-Advisor

Isolation of Heat Shock Protein 40, 70 and 100 from *Toxoplasma Gondii* and Biochemical Characterization.

Tübitak, 110T928.

Tutar Y.

Exploring Transcription Initiation; Structural changes and important factors affecting the mechanism.

Tubitak

Tutar Y., Haliloğlu T.

Effects of co-chaperons on prion aggregation and cell growth,

DPT, 2005.

Tutar Y.

Mutations in SSA1 protein reveals inter domain communication and mechanism of prion propagation in yeast,

National Institutes of Health, 2004.

Masison D.C.,**Tutar Y.**

Conserved and distinct functions of mammalian Hsp70 isoforms in growth and prion propagation in yeast,

National Institutes of Health, 2003.

Masison D.C.,**Tutar Y.**

CRP Interaction with cAMP Affects CRP cAMP Binding Constants, cAMP Binding Cooperativity and CRP Allostery,

Texas Tech University, 2001.

Harman J.G.,**Tutar Y.**

Effect of Salt bridge on Transcription Activation of CRP Dependent Lactose Operon in *E. Coli*,

Texas Tech University, 1999.

Harman J.G.,**Tutar Y.**

CONFERENCES / INVITED SPEECHS

Hsp Inhibitor Regulates Metabolite Coordination in Breast Cancer Cell Line.

COST Meeting, Tenerife, 2018.

Tutar Y, *Invited Speaker*

Hsp70 inhibitor and its derivatives offer superior properties for anti-cancer treatment.

COST Meeting, Lizbon, 2018.

Tutar Y, *Invited Speaker*

Breast Cancer and Hsp Inhibitors as Drug Candidates.

Uskudar University, İstanbul, 2018.

Tutar Y, *Invited Speaker*

Benzodiazepine Inhibitors As Anticancer Agents Against Human Breast Cancer

COST Meeting, Lizbon, 2017.

Tutar Y, *Invited Speaker*

Cytotoxic effects of Hsp70 inhibitors MKT-077 and VER-155008 on breast cancer cells MCF-7,

2nd Gazi Pharma Symposium Series, 2017.

Ergul M, Aktan F, **Tutar Y.**



Site-directed mutations on Hsp70 NBD decrease the protein folding function.

2nd Gazi Pharma Symposium Series, 2017.

Ergul M, Aktan F, **Tutar Y.**

Hsp70 inhibitor PES, down-regulate several cancer-related genes on breast cancer cells.

2nd Gazi Pharma Symposium Series, 2017.

Ergul M, Aktan F, **Tutar Y.**

Pseudogenes and Apoptosis in Cancer

DNA Day and Genome Congress, Kırşehir, 2017

Tutar Y, Invited Speaker

Small Molecule Inhibition Strategy Among Coordinating and Cooperating Chaperones

DNA Day and Genome Congress, Kırşehir, 2017

Tutar Y, Speaker.

Interacting Network Macromolecules Between Cytosol and Mitochondria in Cancer Cells

DNA Day and Genome Congress, Kırşehir, 2017

Tutar L, **Tutar Y**, Tutar E.

Pseudogenes and miRNAs in Different Cancer Types

DNA Day and Genome Congress, Kırşehir, 2017

Tutar Y, Tutar E.

Anticancer Activities of COST Plant Extracts in Target Specific Cancer Chemotherapy

3rd Meeting Krakow, Poland, 2017, Speaker.

Ozgür A, **Tutar Y.**

Inhibition and Docking Studies of New Pyrimidinyl Acyl Thioureas Compounds as HSP90 Inhibitors,

Second Symposium on EuroAsian Biodiversity (SEAB-2016), Antalya-Turkey, 2016.

Koca İ., Özgür A., Er M., Gümüş M., Coşkun K. A., **Tutar Y.**

Inhibition Studies of Novel Coumarine Derivatives as HSP90 and HSP70 Inhibitors,

Second Symposium on EuroAsian Biodiversity (SEAB-2016), Antalya-Turkey, 2016.

Gümüş M., Koca İ., Coşkun K. A., **Tutar Y.**, Dişli A.

Heat Shock Proteins in Targeted Cancer Chemotherapy

2nd International Electronic Conference on Medicinal Chemistry. DOI: 10.3390/ecmc-2-A030, e-congress, 2016.

Tutar Y, Ozgur A

Dual Targeting of Hsp70 and Hsp90 with pyrimidinyl acyl thiourea inhibitors

COST Action CM1407 1st Training School, Belgrad, Sırbistan, 2016.

Coşkun KA, Gumus M, Koca I, **Tutar Y.**

An Efficient Interface Inhibitor for Hsp70 and Its Cochaperone Complexes

Centro de Investigaciones Biologicas, COST, Madrid, Spain, 2016.

Tutar Y. Speaker.

Isolation and Characterisation of Heat Shock Protein (tgHsp70) from Infective *T. gondii* RH Strain

23. National Biology Congress, Gaziantep, 2016.

Tutar L, Coşkun KA, **Tutar Y**, Tutar E, Ozgur A.



Designing Heat Shock Protein 70 Inhibitor to Inhibit Cancer Progression Pathways

11th International Conference on Protein Stabilisation, Istanbul, 2016.

Coskun KA, Tutar Y.

Designing Substrate Binding Inhibitor for Heat Shock Protein 70 as Anticancer Agent.

Sapienza University, Roma, 2015, COST, *Invited Speaker*.

Tutar Y.

A Novel Approach to Inhibit Heat Shock Response as Anticancer Strategy by Designing Innovative Drug Candidates.

KOÇ University, Istanbul 2015, *Invited Speaker*.

Response of *Toxoplasma Gondii* To Different Stress Factors and Characterisation of Its Heat Shock Proteins 100, 70, and 40.

AREL University, Istanbul, 2015, *Invited Speaker*.

Tutar Y.

Inhibition of Heat Shock Response as Anticancer Strategy by Coumarine Compounds,

3rd Anticancer Agent Development Congress, Izmir, 2015.

Tutar Y.

Investigation of human Hsp70 protein inhibition mechanisms for drug designing,

3rd Anticancer Agent Development Congress, Izmir, 2015.

Tutar Y.

Effect of LIPUS at Different Parameters on Osteoblast Cells

22. International Turkish Prosthodontics and Implantology Society Scientific Congress, Antalya, 2015

Coşkun ME, Coşkun KA, Özgür A, Tuğut F, Tutar Y.

The effects of strontium chloride on experimental bladder inflammation in rat.

Korgali E, Dundar G, Acikalin K, Akyol M, Tutar Y, Ayan S, Gokce G, Gultekin EY.

ICS 2014, Rio de Janeiro, 2014.

Heat Shock Protein 90 Inhibitors in Cancer Drug Discovery.

MCB2014; Joining forces in pharmaceutical analysis and medicinal chemistry

Groningen, Hollanda, 2014.

Özgür A, Koca İ, Gümüş M, **Tutar Y.**

A Novel Approach to Inhibit Hsp90 Dimerization as Anticancer Strategy by Coumarine Compounds Containing Thiazole Skeleton, Trabzon, 2014, *Invited Speaker*.

Tutar Y.

Bioinformatics and Medicinal Informatics

A Novel Approach to Inhibit Hsp90 Dimerization as Anticancer Strategy by Coumarine Compounds,

Izmir, 2014. *Invited Speaker*.

Koca İ, Gümüş M, Özgür A, Dişli A, **Tutar Y.**

Protein Purification and Characterization

Recombinant Protein Expression and Purification Winter School, Tokat 2014, *Invited Speaker*.

The Relation Between microRNA 221, 222, 146b and p27Kip1 Protein mRNA Secretions and Clinicopathological Parameters in Thyroid Cancers and the Alteration of miRNA Secretion in the presence of Hashimoto Thyroiditis.

ENDO 2013 - The Endocrine Society's Annual Meeting, CA, USA, 2013.

Acibucu F, Dokmetas S, Elagoz S, Kilicli F, **Tutar Y.**



The effects of strontium chloride on experimental bladder inflammation in rat.

Cengiz KB, Korgali E, Dündar G, Coskun KA., Akyol M., Tutar Y., Ayan S, Gokce G, Gultekin E.Y.
9th South Eastern European Meeting, Thessaloniki, Yunanistan, 2013.

Stronsiyum kloridin rattaki deneysel mesane inflamasyonu üzerine etkisi.

13. Ulusal İşlevsel Üroloji ve Kadın Ürolojisi Kongresi, Antalya, 2013.
Korgali E., Dündar G., Coskun KA., Akyol M., Tutar Y., Ayan D.M., Ayan S., Gökhan G., Gultekin E.Y.

Isolation and characterization of Hsp70 gene from *Acanthamoeba bacastellanii*

18. National Parasitology Congress. Denizli, 2013.
Coskun K.A., Ozcelik S., Ozgur A., Tutar Y.

A new therapeutic approach to colon and liver cancer through dendritic lead (II) phthalocyanines.

IV. National Inorganic Chemistry Congress, Tokat, 2013.
Yabas, E., Sülü, M.; Ozgur, A., Tutar, Y.

Response of *T. gondii* to Different Stress Factors and Characterisation of its Heat Shock Proteins

The 30th World Congress of Biomedical Laboratory Science, IFBLS Berlin, Germany, 2012. Speaker.
Tutar Y.

Protein aggregation and neurodegenerative diseases.

PCB Net, Sheffield, England, 2012. Speaker.
Tutar Y.

Dynamic fluctuations provide the basis of a conformational switch mechanism in apo Cyclic AMP Receptor Protein,

Workshop on Identifying Allosteric Sites as Potential Drug Targets, University of Edinburgh, Edinburgh, UK, 2012.
Aykaç Fas B, Tutar Y, Haliloğlu T.

NCI-60 Analysis by Cell Miner.

IV. Cancer Research Congress, Bursa, 2012. Speaker.
Tutar Y.

An approach to next generation anticancer compounds in colon cancer.

IV. Cancer Research Congress, Bursa, 2012.
Koca I., Coşkun K., Özgür A., Tutar Y.

Synthesis and anticancer activity of acyl thioureas bearing pyrazole moiety.

1st Drug Chemistry, Production, Technology and Standardization Congress, Antalya, 2012.
Koca I, Özgür A, Coskun KA, Tutar Y.

Cumarin Derivative Compounds for Colon Cancer.

1st Drug Chemistry, Production, Technology and Standardization Congress, Antalya, 2012.
Koca I, Gumus M., Özgür A, Disli A, Tutar Y.

VRE epidemics caused by *Enterococcus faecium* at Cumhuriyet University Hospital.

EKMUND Infectious Diseases and Clinical Microbiology, İstanbul, 2012.
Şen M, Gözel M.G., Çelik C., Bakıcı M.Z., Coşkun K.A., Özgür A., Engin A., Dökmetaş İ., Bakır M., Tutar Y., İnal Ş, Elaldı N.

HPLC analysis of chiral compounds by amylase based stationary phase.

Chromatography, Diyarbakır, 2011.
Bahadır S., Soyer N., Temürer C., Tutar Y., Salgın U., Salgın S.



The pre-organization of an allosteric switch mechanism in apo Cyclic AMP Receptor Protein.

Combining Experimental and Computational Techniques to Study Protein Behaviour, CECAM, Lugano, 2011.

Fas BA., Tutar Y., Haliloğlu T.

Dynamics of Apo and Holo Cyclic AMP Receptor Protein. CECAM Tutorial "Coarse-Grained Biomolecular Modeling",

CECAM-EPFL, Lousanne, 2011.

Fas BA., Tutar Y., Haliloğlu T

Isolation and Prevalance of Acanthamoeba Species from Environmental Water Sources.

17. National Parasitology Congress, Kars, 2011.

Özçelik S., Açıklan K., Tutar Y.

Heat, pH induced aggregation and ligand dependent surface hydrophobicity of *S. cerevesiae* Ssa1 protein.

TUBA-GEBİP, İstanbul Sabancı University, 2010, Speaker.

Tutar Y.

Isolation of Hsp70 from *Cyprinidae* Fish Family in Sivas Hot Spring.

XXIV. National Chemistry Congress, Zonguldak Karaelmas Üniversitesi, 2010, Speaker.

Tutar Y.

Monomer-Dimer Equilibrium of CRP

International Bioengineering Meeting, İzmir, 2010, Speaker.

Tutar Y.

CRP Sub-unit exchange

Atatürk University, Erzurum, 2010, Invited Speaker.

Tutar Y.

CRP Structure and Function

XXI National Biochemistry Congress, İstanbul, 2009, Invited Speaker.

Tutar Y.

Transcription Initiation Mechanism at *E. Coli* Lac Operon

TUBA-GEBİP, Zonguldak, 2009, Speaker.

Tutar Y.

Catabolite Repressor Protein (CRP) allostery

21st IUBMB and 12th FAOBMB International Congress of Biochemistry and Molecular Biology, Shanghai, China, 2009, Speaker.

Tutar Y.

Biophysical characterisation of Hsp70 and Hsc70

TUBA-GEBİP, İstanbul, 2008, Speaker.

Arslan D., Tutar Y.

Highlighting Transcription Initiation Mechanism at *E. Coli* Lac Operon

Biyomut, Ankara 2008 Speaker.

Fas B.A., Haliloğlu T, Tutar Y.

A plausible model for the apo form of cyclic AMP receptor protein in *E. coli*.

VIIth European Conference on Computational Biology (ECCB), Cagliari, İtalya.

Fas B.A., Haliloğlu T, Tutar Y.



Structure and Dynamics of Catabolite Activator Protein by Molecular Modelling and Simulations

EMBO Biomolecular Simulation Practical Course, Institute Pasteur, Paris, France.

Fas B.A., Haliloğlu T, Tutar Y.

Ydj1 but not Sis1 Stabilize Hsp70 protein under prolonged stress in vitro.

15. National Biotechnological Congress, Antalya, 2007 Speaker.

Tutar L., Tutar Y.

Stability and conformational changes in yeast Ssa1 protein.

32. FEBS Meeting, Vienna, 2007.

Tutar Y.

Identification of Key Residues Involved in HSP70 Regulatory Activity and Affect of Co-chaperones on Mechanism of Action.

XX. National Chemistry Congress, Kayseri, 2006 Speaker.

Tutar Y.

Heat Shock Proteins, Substrate specificity and Modulation of Function.

XX. National Chemistry Congress, Kayseri, 2006

Tutar Y.

Primate chaperones Hsc70 (constitutive) and Hsp70 (induced) differ functionally in supporting growth and prion propagation in *Saccharomyces cerevisiae*.

31. FEBS Meeting, Istanbul, 2006.

Tutar Y., Masison D.C.

Conserved and distinct functions of mammalian Hsp70 isoforms in growth and prion propagation.

13. Balkan Clinical Laboratory Meeting, Tiran, ALBANY, 2005, Speaker and Chair.

Tutar Y., Oztup H.N., Masison D.C.

Ligand binding properties of cAMP receptor protein having amino acid substitutions at position 72 and 82.

Biophysical Society Annual Meeting, San Antonio, TX, USA, 2003, Speaker.

Tutar Y., Harman J.G.

Structure-function studies with the cAMP receptor protein of *E. coli*.

HealthScienceCenter, Lubbock, TX, USA, 2003.

Tutar Y., Harman J.G.

Modeling transcription initiation system in *E. coli* by numerical analysis methods.

Graduate and professional SGA, Lubbock, TX, USA, 2003.

Tutar Y., Harman J.G.

Structural understanding of cyclic AMP receptor protein.

Student research conference, Portales, NM, USA, 2002, Speaker.

Tutar Y., Harman J.G.

Analyzing cyclic AMP receptor protein allostery by FTIR Spectroscopy.

Graduate and professional SGA, Lubbock, TX, USA, 2002.

Tutar Y., Harman J.G.

CRP L124 interaction with cAMP affects CRP cAMP binding constants, cAMP binding cooperativity, and CRP allostery.

American Chemical Society Regional Meeting, Albuquerque, NM, 2002, Speaker.

Tomlinson S.R., Tutar Y., Harman J.G.



Cyclic AMP and DNA binding properties of cyclic AMP receptor protein.

American Chemical Society Annual Meeting, Austin, TX, USA, 2002, Speaker.

Tutar Y., Harman J.G.

Structure function relationships in Human prostate cancer protein S100P.

Protein Folders, Camp Allen, TX, USA, 1999.

Tutar Y., Gribenko A., Makhatadze G.I.

MEMBERSHIPS

Biophysical Society, Member, Bethesda, MD

American Chemical Society, Member, Columbus, OH

Honors Fraternity, Member, Lubbock, TX

Turkish Biochemistry Society, TURKEY