NAME: Tsaffrir Zor

Faculty: Life Sciences **Department:** Biochem & Mol Biol **School:** NBB

Home Address: Nofei Hakfar 22, KFAR MENACHEM 79875

Phone No: 054-5510-214 (cell); 03-640-7192 (work)

Date of Birth: 11/8/1966 **Place of Birth:** Washington DC, USA

Date of Arrival in Isarel: 1968

A. EDUCATION

Period of Study	Name of University, City	Subject	Degree	Date Awarded
1988-1991	The Hebrew University, Jerusalem	Chemistry (Amirim outstanding students program)	B.Sc.	1992 (summa cum laude, 97)
1991-1997	The Hebrew University, Jerusalem	Biochemistry	Ph.D.	1998 (summa cum laude)

Title of B.Sc. thesis (Amirim outstanding students program): photoregulation of enzyme activity in photochromic polymer (grade - 100)**; Supervisor:** Itamar Wilner

Title of Doctoral Dissertation: Development of tools for identification and characterization of guanine nucleotide binding proteins activity; **Supervisor:** Zvi Selinger

B. FURTHER STUDIES

C1. ACADEMIC EXPERIENCE

Period	Name of University	Department	Rank/Function
1990	The Hebrew University	Inorganic Chemistry	Project student (publication #1)
1990	The Hebrew University	Organic Chemistry	Amirim outstanding students program project student (publications #2-3)
1991	The Hebrew University	Biological Chemistry	Project student
Jan 1998 – May 2003	The Scripps Research Institute	Molecular Biology	Post-docotoral fellow (Lab – Peter Wright)

C2. PROFESSIONAL EXPERIENCE

Period	Name of Institution, City, Country	Department	Function
June 2003 – July 2004	Genomics Institute of the Novartis Foundation, La-Jolla, CA, USA	Immunology	Institute fellow
June 2003 – July 2004	The Scripps Research Institute, La-Jolla, CA, USA	Chemistry	Guest scientist
Aug. – Sep. 2004	Tel-Aviv University, Tel-Aviv, Israel	Biochemistry & Mol. Biol	PI, Visiting Lecturer
October 2004 - October 2009	Tel-Aviv University, Tel-Aviv, Israel	Biochemistry & Mol. Biol.	PI, Lecturer (eq. to assistant prof.)
November 2009 – October 2021	Tel-Aviv University, Tel-Aviv, Israel	Biochemistry & Mol. Biol.	PI, Senior lecturer (eq. to assistant prof.)
November 2021 – present	Tel-Aviv University, Tel-Aviv, Israel	Biochemistry & Mol. Biol.	PI, Associate Professor

D. ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS

year	Name of Meeting, City, Country, Sponsor,International/local conference Detailed Activity (Invited Lecture/Poster/ Organizing Committee ect.)
1993	*Molecular and cellular biology of guanine nucleotide-binding regulatory proteins, Aussois, France, Jacques Monod conferences (CNRS), International conference, Poster*
1994	*Neurobiology, Eilat, Israel, Israel Society for Neuroscience, National conference, Poster*
1995	*Neurobiology, Eilat, Israel, Israel Society for Neuroscience, National conference, Poster*
1996	*Molecular and cellular biology of ras-like and heterotrimeric G proteins, Aussois, France, Jacques Monod conferences (CNRS), International conference, Poster*
1996	*Biocatalysis, College, NH, USA, Gordon conference, International conference, Poster*
2000	*EMBO fellows meeting, Heidelberg, Germany, EMBO, International conference, Lecture*
2001	*Magnetic resonance, Rhodes, Greece, International Society of Magnetic Resonance (ISMAR), International conference, Lecture*
2005	*Cytokines, Disease and Therapeutic Intervention, Santa-Fe, NM, USA, Keystone symposia, International conference, Poster*
2006	*Magnetic resonance, Tel-Aviv, Israel, Israeli Club for Magnetic Resonance, National conference, Invited Lecture*
2008	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Posters*

2008	*Inflammation, Chantilly, VA, USA, Inflammation Research Association (IRA), International conference, Poster*
2008	*Sphingolipids in Biology, Leiden, Netherlands, Sphingolipid Club, International conference, Lecture*
2009	*Immunology, Tel-Aviv, Israel, Israel Immunological Society, National conference, Posters*
2009	*Sphingolipids in Biology, Charleston, SC, USA, International Ceramide Conferences (ICC), International conference, Lecture*
2010	*Sphingolipids in Biology, Glasgow, UK, Sphingolipid Club, International conference, Lecture*
2010	*Lipids in Biology, Bilbao, Spain, International Conference on the Bioscience of Lipids (ICBL), International conference, Lecture*
2011	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Posters*
2011	*Liposomes, Maale Hahamisha, Israel, Hebrew University of Jerusalem, International conference, Invited lecture*
2011	*Siganlling, Edinburgh, UK, Biochemical Society Centenary, International conference, Poster*
2011	*Grant recipients conference, Maale Hahamisha, Israel, Health ministry, National conference, Poster*
2011	*Sphingolipids in Biology, Favignana, Sicily, Italy, Sphingolipid Club, International conference, Lecture*
2012	*Biochemistry (Annual meeting), Tel-Aviv, Israel, Israel Society of Biochemistry & Molecular Biology, National conference, Posters*
2014	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Posters*
2015	*Immunology (Annual meeting), Tel-Aviv, Israel, Israel Immunological Society, National conference, Poster*
2015	*Sphingolipids in Biology, Cesme, Turkey, Joint - International Ceramide Conference (ICC) + Sphingolipid Club, International conference, Lecture*
2017	*Phagocytes, Waterville Valley, NH, USA, Gordon Research Conference, International conference, Poster*
2017	*Immunology (Annual meeting), Jerusalem, Israel, Israel Immunological Society, National conference, Poster*
2017	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Posters*
2018	*Signal Transduction, Jerusalem, Israel, Jerusalem Winter School in Life sciences, International conference, Invited lecture*
2019	*Immunology (Annual meeting), Tel-Aviv, Israel, Israel Immunological Society, National conference, Lecture*
2020	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Posters*
2022	*Immunology (Annual meeting), Haifa, Israel, Israel Immunological Society, National conference, Lecture*
2022	*Glycolipid and Sphingolipid Biology, Lucca (Barga), Italy, Gordon Research Conference, International conference, Lecture*
2022	*Sphingolipids in Biology, Fozzilly, Italy, Sphingolipid Club, International conference, Invited Lecture (scheduled for September 2022)*
2023	*Ilanit, Eilat, Israel, Federation of Israel Societies for Experimental Biology, National conference, Lecture*

E. COURSES TAUGHT [For each course, the hours should be proportional to amount of course taught by candidate (e.g. if teaching 1/3 of a 3 hours course, then write "1 of 3". For evaluation, use the lecturer score for that year)]

Year, Semester	Course	Institution (if not TAU)	hrs	no.of studends	obligatory/ optional	*Evaluation (scale of 7)*
2004, B	Mechanisms of Enzymatic Catalysis		3	38	Optional	5.84
2005, A	Biochemistry		1 of 4	135 & No data	Obligatory	4.35 & No data
2005, A+B	Outstanding students program seminar		2	12	Obligatory	5.75
2006, A	Mechanisms of Enzymatic Catalysis		3	20	Optional	6.24
2006, A+B	Outstanding students program seminar		2	11	Obligatory	5.13
2006, B	Biochemistry for chemists		2 of 4	No data	Obligatory	No data
2007, A+B	Outstanding students program seminar		2	14	Obligatory	5.50
2007, B	Biochemistry for chemists		2 of 4	68	Obligatory	4.75
2009, B	Mechanisms of Enzymatic Catalysis		3	23	Optional	6.30
2009, B	Biochemistry for chemists & biologists		2 of 4	26 & 60	Obligatory	4.33 & 5.81
2010, B	Biochemistry for chemists		2 of 4	17	Obligatory	5.60
2011, A	Mechanisms of Enzymatic Catalysis		3	23	Optional	5.44
2011, B	Biochemistry for chemists		2 of 4	47	Obligatory	5.48
2012, B	Biochemistry for chemists		2 of 4	26	Obligatory	5.40
2013, A	Biochemistry		1.33 of 4	203 & 244	Obligatory	5.83 & 5.53
2013, B	Mechanisms of Enzymatic Catalysis		3	18	Optional	6.55
2014, A	Biochemistry		1.33 of 4	222 & 181	Obligatory	5.88 & 5.82
2015, A	Biochemistry		1.33 of 4	145 & 235	Obligatory	5.74 & 5.45
2015, B	Mechanisms of Enzymatic Catalysis		3	18	Optional	5.86
2016, A	Biochemistry		1 of 3	197	Obligatory	5.80

2017, A	Biochemistry	1.5 of 3	303	Obligatory	5.55
2017, B	Mechanisms of Enzymatic Catalysis	3	14	Optional	6.00
2018, A	Biochemistry	1.5 of 3	294	Obligatory	5.89
2019, A	Biochemistry	1.5 of 3	324	Obligatory	5.45
2019, B	Mechanisms of Enzymatic Catalysis	3	10	Optional	6.83
2019, B	Metabolism: Physiology and Pathology	0.6 of 4	40	Optional	6.69
2020, A	Biochemistry	1.5 of 3	348	Obligatory	4.94
2020, A	Introduction to Biology A (international program)	1.38 of 4	10	Obligatory	6.25
2020, B	Metabolism: Physiology and Pathology	0.6 of 4	61	Optional	6.50
2021, A	Introduction to Biology A (international program)	1.85 of 4	14	Obligatory	5.67
2021, B	Mechanisms of Enzymatic Catalysis	3	5	Optional	6.67
2021, B	Biochemistry (Chem & Bio students, respectively)	1.5 of 3	41 & 46	Obligatory	3.42 & 5.05
2021, B	Metabolism: Physiology and Pathology	0.6 of 4	39	Optional	6.20

F. OTHER ACADEMIC ACTIVITES

Editorial duties

Ad hoc Reviewer (articles):	*Journal of Immunology (2009, 2013, 2018, 2020), Molecular & Cellular Endocrinology (2009), Nature Protocols (2010), Journal of Molecular Biology (2010), European Jounral of Pharmacology (2010), Journal of Biological Chemistry (2011), Journal of Leukocyte Biology (2013), Biochemical pharmacology (2013), Canadian Journal of Microbiology (2013), Journal of Medicinal Food (2013), Frontiers in Microbiology (2015), BMC Immunology (2016), Results in Immunology (2016), Cellular Signaling (2017), Cellular Microbiology (2017), Scientific Reports (2018), Biochemical Pharmacology (2019), Archives of Physiology & Biochemistry (2019), Frontiers in Immunology (2020, 2021, 2022)*
Review Editor	*Frontiers in Immunology, Editorial Board of Inflammation (Since 2020)*

Ad hoc Reviewer (grants):	*ISF (2004, 2021), Technion Applied Research Grants (2011), Hebrew University Applied Research Grants (2011), Hebrew University Faculty of Medicine & Affiliated Hospitals Clinical Grants (2012), TAU Recanati Grants (2015, 2018),*
Grant Committees	*BSF travel grants (2013), TAU-internal grant committee (2021)*

Tel Aviv University Administrative Roles

2010-2017 Chairman of the departmental M.Sc. program

2010-2017 Member of the faculty M.Sc. committee (MIDRASHA)

2013-2014 Member of the faculty curricculum committee

2017-present Chairman of the faculty curricculum committee

International committees

2018 Evaluation commmittee for the biotechnology department of Thapar Institute of Engineering and Technology, Patiala, Punjab, India

2019 Promotion reviewer, Department of biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab, India

International Lectures

1996 National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, USA (Host – M. Clore)

1997 Max-Planck Institute of Molecular Physiology, Department of Structural Biology, Dortmund, Germany (Host – A. Wittinghofer)

2001 The Scripps Research Institute, Scripps society of fellows spring symposium, La-Jolla, CA, USA

2016 Dusseldorf University, Institute of Biochemistry & Molecular Biology II, Dusseldorf, Germany (Host – M.R. Ahmadian)

2017 National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, MD, USA (Host – I. Fraser)

2017 University of Texas Southwestern Medical center, Center for the Genetics of Host Defense, Dallas, TX, USA (Host – B. Beutler, Nobel laureate)

2018 Thapar Institute of Engineering and Technology, Department of Biotechnology, Patiala, Punjab, India (Host – A. Batish, Deputy Director of the institute)

2021 Webinar, Journal of Visualized Experiments (JoVE), Hybrid teaching & learning post-pandemic: how to make the most of educational videos, Invited lecture

G. ACADEMIC AND PROFESSIONAL AWARDS

G1. EXTERNAL GRANTS

Year	Name of Agency (and Partner if there is)	Total	For my use	My Role (PI/Co-PI)
2005	European Commission FP6 – Marie Curie IRG	€80K (~$100K)		PI
2006	Teva Pharm. Ind. Ltd. – Young investigators grant for research of auto-immune diseases	50K NIS (~$12K)		PI
2007	Israel Science Foundation (ISF)	326K NIS (~$82K)		PI
2007	Israel Science Foundation (ISF) - equipment for a new lab	$65K		PI
2007	Wolfson Foundation - equipment for a new lab	£154,878 (~$310K)		PI
2007	Public committee for allocation of Estate funds at Israel's ministry of justice	200K NIS (~$48K)		PI
2010	Health ministry of Israel	300K NIS (~$80K)		PI
2010	European Research Council (ERC), Sub-contractor of Michael Meijler (BGU)		€50K (~$68K)	Sub-contractor
2012	USA–Israel Binational Science Foundation (BSF), with C. Chalfant	$170K	$102K	Co-PI
2018	Israel Cancer Association	75K NIS (~$20K)		PI
2020	Israel Science Foundation (ISF)	1,388K NIS (~$408K)		PI

G2. INTERNAL GRANTS (AT TAU)

Year	Name of Agency (and Partner if there is)	Total	For my use	My Role (PI/Co-PI)
2006	TAU Research Authority (high ISF score)	19K NIS (~$4.4K)		PI
2008	TAU Research Authority (high BSF score)	27K NIS (~$7.5K)		PI
2009	TAU Research Authority (high ISF score)	21K NIS (~$5.6K)		PI
2011	TAU Research Authority (high ISF & GIF scores)	28K NIS (~$7.6K)		PI
2013	TAU Research Authority (high GIF score)	28K NIS (~$7.8K)		PI
2014	TAU Research Authority (high ISF score)	28K NIS (~$7.8K)		PI
2015	TAU Research Authority (high ISF score)	28K NIS (~$7.8K)		PI
2017	TAU Research Authority (high ISF score)	30K NIS (~$8.5K)		PI
2018	TAU Research Authority (high ISF & BSF scores)	30K NIS (~$8.5K)		PI
2018	Triangle Research and Development Center (TRDC) – TAU collaboration, with J. Gnaim	50K NIS (~$14.5K)	25K NIS (~$7.25K)	Co-PI
2019	TAU Research Authority (high ISF score)	30K NIS (~$8.5K)		PI
2019	Private Contribution	30K NIS (~$8.5K)		PI
2020	Private Contribution	30K NIS (~$8.5K)		PI

G3. FELLOWSHIPS/ SCHOLARSHIPS /PRIZES

Year	Name of Institution	Occasion
1989-91	The Hebrew University	Scholarship - "Amirim" outstanding B.Sc. students program
1989	The Hebrew University	Dean's prize for B.Sc. students in the natural sciences faculty
1989	Weizmann Institute	Excellence prize - "De-Shalit" chemistry summer school
1990	The Hebrew University	Dean's list of the science faculty
1991	The Hebrew University	Petai prize for five top B.Sc. graduates in the natural sciences faculty
1992	The Hebrew University	B.Sc. conferred with "summa cum laude"
1992	The Hebrew University	Rector's prize for M.Sc. students in the natural sciences faculty
1992-93	The Hebrew University	Excellence fellowship for M.Sc. students
1994	Mifal HaPais (National lottery)	Landow prize for Ph.D. students in science
1996	Weizmann Institute	Katzir travel award for Ph.D. students
1997	The Hebrew University	Best poster in the life sciences institute posters contest
1997	Yad Hanadiv	Rothschild post-doctoral fellowship
1997-99	EMBO	EMBO post-doctoral fellowship
1998	The Hebrew University	Ph.D. conferred with "summa cum laude"
2001	The Scripps Research Institute (TSRI)	Best poster in TSRI society of fellows posters contest
2001	International Society of Magnetic Resonance (ISMAR)	ISMAR scholarship for conference lecture
2009	Israel Immunological Society	Best poster in annual meeting (presented with my student)

H. MEMBERSHIP IN PROFESSIONAL SOCIETIES (Year, Society, Country)

2005-present	Israel Society for Biochemistry & Molecular Biology (ISBMB), Israel
2009-present	The Sphingolipid Club, International

I. STUDENTS SUPERVISED BY CANDIDATE

I1. DOCTORAL STUDENTS

Dates	Name	Title of thesis/proposal	Institution (if not TAU)
Oct 2004 - Dec 2009	Meir Goldsmith	Identification and characterization of TNFα suppression mechanism by the phospholipid-like molecule PCREA-1.	
Oct 2004 - Aug 2010	Dorit Avni	Regulation of TNFα and IL-10 production in LPS-activated macrophages by the cAMP and NFκB p50 pathways.	
Oct 2006 – May 2013	Orna Ernst	Mechanism of regulation of LPS-induced TNFα expression by cAMP and CREB.	
Oct 2007 – Feb 2013	Yifat Glucksam	Mechanistic and drug delivery approaches for anti-inflammatory drugs targeted to macrophages.	Co-mentor with R. Margalit (TAU)
July 2015 – Oct 2021	Muhammad Athamna	Regulation of TLR4 in macrophages by sphingolipids.	
Feb 2022 – present	Cecil Zera Otieno	Activation of the non-canonical inflammasome in macrophages.	

I2. M.Sc. STUDENTS

Dates	Name	Title of thesis/proposal	Institution (if not TAU)
Oct 2004 – Oct 2006	Elad Bar-David	Purification and identification of the active metabolite of an anti-inflammatory phospholipid-like molecule.	
Oct 2005 – Oct 2007	Maya Levi	Comparison of the putative anti-inflammatory activities of PCERA-1 and C8-C1P.	
Oct 2006 – Oct 2008	Amir Pri-Or	Characterization of the involvement of the mitochondrial co-chaperonin Hsp10, w.t. and mutant L33A, in macrophages function and in interaction with the chaperonin Hsp60.	
Oct 2007 – Oct 2009	Amir Philosoph	From the PCERA-1 receptor via adenylyl cyclase to cytokines modulation.	
Oct 2008 – Sep 2010	Ala Daka	Inhibition of PGE_2 production by a ceramide analog.	
Oct 2009 – Sep 2011	Shahar Cohen	Identification of a receptor for the phospholipid-like anti-inflammatory molecule PCERA-1.	
Oct 2009 – Oct 2011	Sharon Avraham	Does the orphan receptor GPR3 mediate in macrophages the anti-inflammatory activity of the phospholipid-like molecule PCERA-1?	
Oct 2013 – Sep 2015	Roy Sananes	Identification of the C12-Homoserine lactone receptor in macrophages.	

Oct 2014 – Dec 2016	Efrat Zecharia	Identification of the C1P and PCERA-1 receptors in macrophages.
Oct 2015 – Apr 2018	Anna Lilja	Modulation of LPS-stimulated Macrophages by a Bacterial Quorum Sensing Molecule and by a PARP-1 Inhibitor.
Oct 2017 – Sep 2019	Idan Ben-Nachum	Identification of the C12-Homoserine lactone receptor in macrophages.
Oct 2017 – Sep 2019	Bibek Bhatta	Modulation of TLR4 activity in macrophages by various exogenous compounds: ceramide-1 phosphate (C1P), type I interferons and a cAMP inducer.
Oct 2018 – Oct 2020	Johanna Maria Elisabeth van Hooij	Activation of the non-canonical inflammasome in macrophages.
Oct 2019 – Nov 2021	Haoming He	Modulation of TLR4 activity by sphingolipids.
Oct 2020 – Feb 2022 (Switched to direct PhD)	Cecil Zera Otieno	Activation of the non-canonical inflammasome in macrophages.
May 2020 – July 2022	Zohar Fischer	Activation of the non-canonical inflammasome in macrophages.
Oct 2020 – Sep 2022	Paula Vanesa Gutiérrez Fajardo	Activation of the non-canonical inflammasome in macrophages.
Oct 2022 – Present	Boaz Ashkenazi	Modulation of TLRs activity by sulfatide

I3. POST-DOCTORAL FELLOWS

Dates	Name	Title of project	Present position
Oct 2004 – Feb 2007	Galit Levy-Rimler	Identification and characterization of TNFα suppression mechanism by the phospholipid-like molecule PCREA-1	Head of Tipa BioBank, Maccabi Research and Innovation Center
Sep 2010 – Feb 2012	Dorit Avni	Identification of a receptor for C1P in macrophages.	PI, MIGAL - Galilee Research Institute
Jun 2013 – Dec 2015	Orna Ernst	Regulation of IL-10 expression by the cAMP pathway.	Research Associate, Johns Hopkins University
Nov 2021 – present	Muhammad Athamna	Regulation of TLR4 in macrophages by sphingolipids.	

Date: April 20, 2023

PUBLICATIONS (citations data as of Sep 19, 2022)

- Please indicate H-Index
- Publication list should follow **Pubmed format** (see examples below).
- For each publication add: cetegory, IF, journal ranking, Q and total number of times cited, based on: **Web of Science**.

  For exaple:

  Biotechnology, IF:1.36, 36/270 (Q1), Citations:22
- Candidate's name in **bold**; Students in the candidate's lab, underlined; Employees in candidate's lab, double-underlined.
- Please denote with * each **corresponding author**.
- **Equal contribution** - please denote with ^

Ranking (H-Index, Impact Factor, Q) and **Citations** based on **Web of Science**.

H-Index: 20

A. Books and Monographs

B. Textbooks

C. Refereed Research Articles

C1. Research Articles Published

Undergraduate research:

1. Ballet, B., Bino, A.*, Cohen, S., Rubin, H., & **Zor, T.**, A Linear Mixed Oxidation-State Trinuclear Cobalt Complex with 6 Bridging Sulfito Ligands. *Inorganica Chimica Acta*. 1991 Oct; Vol. 188: pp. 91–93.
   (1997 beginning in JCR); IF 1.202; Chemistry, Inorganic & Nuclear; Rank 15/36; Q2; Times Cited: 10
2. Willner, I.*, Rubin, S., & **Zor, T.**, Photoregulation of Alpha-Chymotrypsin by Its Immobilization in a Photochromic Azobenzene Copolymer. *Journal of the American Chemical Society*. 1991 May; Vol. 113: pp. 4013–4014.

   (1997 beginning in JCR); IF 5.650; Chemistry; Rank 5/111; **Q1; Times Cited: 48**
3. Willner, I.*, Rubin, S., Shatzmiller, R., & **Zor, T.**, Reversible Light-Stimulated Activation and Deactivation of Alpha-Chymotrypsin by Its Immobilization in Photoisomerizable Copolymers. *Journal of the American Chemical Society*. 1993 Sep; Vol. 115: pp. 8690–8694.

   (1997 beginning in JCR); IF 5.650; Chemistry; Rank 5/111; **Q1; Times Cited: 75**

Graduate research:

4. **Zor, T.**, Halifa, I., Kleinhaus, S., Chorev, M., & Selinger, Z.*, m-Acetylanilido-GTP, a novel photoaffinity label for GTP-binding proteins: synthesis and application. *The Biochemical Journal*. 1995 Feb; Vol. 306: pp. 253–258.
(1997 beginning in JCR); IF 3.579; Biochemistry & Molecular Biology; Rank 51/253; **Q1**; Times Cited: 11

5. **Zor, T.**, & Selinger, Z.*, Linearization of the Bradford protein assay increases its sensitivity: theoretical and experimental studies. *Analytical Biochemistry*. 1996 May; Vol. 236: pp. 302–308.
(1997 beginning in JCR); IF 2.017; Chemistry, Analytical; Rank 13/61; **Q1**;
Times Cited: 817

6. **Zor, T.**, Bar-Yaacov, M., Elgavish, S., Shaanan, B., & Selinger, Z.*, Rescue of a mutant G-protein by substrate-assisted catalysis. *European Journal of Biochemistry / FEBS Journal*. 1997 Oct; Vol. 249: pp. 330–336.
IF 3.136; Biochemistry & Molecular Biology; Rank 62/253; **Q1**; Times Cited: 26

7. **Zor, T.**, Andorn, R., Sofer, I., Chorev, M., & Selinger, Z.*, GTP analogue hydrolysis by the Gs protein: implication for the role of catalytic glutamine in the GTPase reaction. *FEBS Letters*. 1998 Aug; Vol. 433: pp. 326–330.
IF 3.581; Cell Biology; Rank 29/139; **Q1**; Times Cited: 16

8. Ahmadian, M. R.^, **Zor, T.^**, Vogt, D., Kabsch, W., Selinger, Z., Wittinghofer, A.*, & Scheffzek, K., Guanosine triphosphatase stimulation of oncogenic Ras mutants. *Proc Natl Acad Sci U S A*. 1999 Jun; Vol. 96: pp. 7065–70.
IF 10.269; Multidisciplinary Sciences; Rank 3/52; **Q1**; **Times Cited: 104**

Postdoctoral research:

9. Parker, D., Rivera, M., **Zor, T.**, Henrion-Caude, A., Radhakrishnan, I., Kumar, A., Shapiro, L. H., Wright, P. E., Montminy, M.*, & Brindle, P. K., Role of secondary structure in discrimination between constitutive and inducible activators. *Molecular and Cellular Biology*. 1999 Aug; Vol. 19: pp. 5601–5607.
IF 9.866; Biochemistry & Molecular Biology; Rank 15/295; **Q1**; **Times Cited: 114**

10. **Zor, T.**, Mayr, B. M., Dyson, H. J., Montminy, M. R., & Wright, P. E.*, Roles of phosphorylation and helix propensity in the binding of the KIX domain of CREB-binding protein by constitutive (c-Myb) and inducible (CREB) activators. *The Journal of Biological Chemistry*. 2002 Nov; Vol. 277: pp. 42241–42248.

IF 6.696; Biochemistry & Molecular Biology; Rank 27/266; **Q1**; **Times Cited: 125**

11. Goto, N. K.^, **Zor, T.^**, Martinez-Yamout, M., Dyson, H. J., & Wright, P. E.*, Cooperativity in transcription factor binding to the coactivator CREB-binding protein (CBP). The mixed lineage leukemia protein (MLL) activation domain binds to an allosteric site on the KIX domain. *The Journal of Biological Chemistry*. 2002 Nov; Vol. 277: pp. 43168–43174.
IF 6.696; Biochemistry & Molecular Biology; Rank 27/266; **Q1**; **Times Cited:134**

12. **Zor, T.**, De Guzman, R. N., Dyson, H. J., & Wright, P. E.*; Solution structure of the KIX domain of CBP bound to the transactivation domain of c-Myb. *Journal of Molecular Biology*. 2004 Mar; Vol. 337: pp. 521–534.
IF 5.469; Biochemistry & Molecular Biology; Rank 74/298; **Q1**; **Times Cited: 149**

13. Best, J. L., Amezcua, C. A., Mayr, B., Flechner, L., Murawsky, C. M., Emerson, B., **Zor, T.**, Gardner, K. H., & Montminy, M.*, Identification of small-molecule antagonists that inhibit an activator: coactivator interaction. *Proc Natl Acad Sci U S A*. 2004 Dec; Vol. 101: pp. 17622–7.
IF 10.452; Multidisciplinary Sciences; Rank 3/45; **Q1**; **Times Cited: 159**

<u>The following articles are with a Tel Aviv University affiliation:</u>

14. <u>Avni, D.</u>^, <u>Goldsmith, M.</u>^, <u>Ernst, O.</u>, Mashiach, R., Tuntland, T., Meijler, M. M., Gray, N. S., Rosen, H., & **Zor, T.***, Modulation of TNFalpha, IL-10 and IL-12p40 levels by a ceramide-1-phosphate analog, PCERA-1, in vivo and ex vivo in primary macrophages. *Immunology Letters*. 2009 Mar; Vol. 123: pp. 1–8.
IF 2.906; Immunology; Rank 58/128; Q2; Times Cited: 25

15. <u>Goldsmith, M.</u>^, <u>Avni, D.</u>^, <u>Levy-Rimler, G.</u>^, Mashiach, R., <u>Ernst, O.</u>, <u>Levi, M.</u>, Webb, B., Meijler, M. M., Gray, N. S., Rosen, H., & **Zor, T.***, A ceramide-1-phosphate analogue, PCERA-1, simultaneously suppresses tumour necrosis factor-alpha and induces interleukin-10 production in activated macrophages. *Immunology*. 2009 May; Vol. 127: pp. 103–115.
IF 3.276; Immunology; Rank 43/128; Q2; Times Cited: 30

16. <u>Goldsmith, M.</u>^, <u>Avni, D.</u>^, <u>Ernst, O.</u>, <u>Glucksam, Y.</u>, <u>Levy-Rimler, G.</u>, Meijler, M. M., & **Zor, T.***, Synergistic IL-10 induction by LPS and the ceramide-1-phosphate analog PCERA-1 is mediated by the cAMP and p38 MAP kinase pathways. *Molecular Immunology*. 2009 Jun; Vol. 46: pp. 1979–1987.
IF 3.202; Biochemistry & Molecular Biology; Rank 45/128; Q2; Times Cited: 27

17. Avni, D., Philosoph, A., Meijler, M. M., & **Zor, T.***, The ceramide-1-phosphate analogue PCERA-1 modulates tumour necrosis factor-alpha and interleukin-10 production in macrophages via the cAMP-PKA-CREB pathway in a GTP-dependent manner. *Immunology*. 2010 Mar; Vol. 129: pp. 375–385.
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The following articles follow promotion:

C2. Research Articles Accepted

1.

C3. Research Articles Submitted

1.

D. Refereed Review Articles

D1. Review Articles Published

Graduate research:

1. Kosloff, M., **Zor, T.**, & Selinger, Z., Substrate-assisted catalysis: Implications for biotechnology and drug design. Drug Development Research. 2000 Oct; Vol. 50: pp. 250–257.
IF 1.442; Chemistry, Medicinal; Rank 81/181; Q2; Times Cited: 2

The following articles are with a Tel Aviv University affiliation:

2. Levi, M., Meijler, M. M., Gómez-Muñoz, A.*, & **Zor, T.***, Distinct receptor-mediated activities in macrophages for natural ceramide-1-phosphate (C1P) and for phospho-ceramide analogue-1 (PCERA-1). Molecular and Cellular Endocrinology. 2010 Jan; Vol. 314: pp. 248–255.
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D2. Review Articles Accepted

1.

D3. Review Articles Submitted

1.

E. Chapters in Books:

The following chapters are with a Tel Aviv University affiliation:

The following chapters follow promotion to Associate Professor:

F. Papers Published in Proceedings or other Unreviewed Publications:

G. Abstracts at International Meetings:

1. Avni, D., Goldsmith, M., and **Zor, T.**, Synergistic induction of IL-10 by a TLR agonist and a phospho-ceramide analog is mediated by cAMP. 15th International Conference of the Inflammation-Research-Association. Chantilly, VA, USA. 2008.
2. Goldsmith, M., Avni, D., Levi, M., Ernst, O., Meijler, M.M., Gray, N.S., Rosen, H., and **Zor, T.**, A ceramide-1-phosphate analog, PCERA-1, suppresses TNF alpha and induces IL-10 production in activated macrophages. 7th International Meeting of the Sphingolipid-Club. Leiden, Netherlands. 2008.

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H. Other Publications (Books Edited, Encyclopedias, Reports, ect.)

Most Significant Publications
(from your last appointment/promotion, up to 10):

34. Su, L.^*, Athamna, M.**^**, Wang, Y., Wang, J., Freudenberg, M., Yue, T., Wang, J., Moresco, E. M. Y., He, H., **Zor, T.***, Beutler, B.*, Sulfatides are endogenous ligands for the TLR4-MD-2 complex. Proc Natl Acad Sci U S A. 2021 Jul; Vol. 118: pp. e2105316118.
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31. Ernst, O., Glucksam-Galnoy, Y., Bhatta, B., Athamna, M., Ben-Dror, I., Glick, Y., Gerber, D., & **Zor, T.***, Exclusive Temporal Stimulation of IL-10 Expression in LPS-Stimulated Mouse Macrophages by cAMP Inducers and Type I Interferons. Frontiers in Immunology. 2019 Aug; Vol. 10: pp. 1788.
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