ELAH PICK, Ph.D.

NIH-style Biosketch | July 2026

Associate Professor, Tel Hai University of Kiryat Shmona in the Galilee, Israel (from 2026) | Professional email: elahpic@m.telhai.ac.il
Research Fellow, The Institute of Evolution (IOE) at the University of Haifa, Israel | Professional email: elahpic@research.haifa.ac.il

Education and Training

Degree/Training	Field / Focus	Institution	Period
B.Sc.	Biology, cum laude; including Teaching Diploma	University of Haifa-Oranim, Israel	1989-1993
M.Sc.	Biochemistry, cum laude	Tel Aviv University, Israel	1993-1994
Ph.D.	Biology	Technion - Israel Institute of Technology	1995-1999
Postdoc	Faculty of Biology; mentor: Michael Glickman	Technion - Israel Institute of Technology	1999-2003
Postdoc	Molecular, Cellular and Developmental Biology; mentors: Xing-Wang Deng and Ning Wei	Yale University, CT, USA	2003-2006

A. Personal Statement

Dr. Pick investigates how protein quality-control systems adapt to environmental and metabolic stress. Her laboratory focuses on ubiquitin and ubiquitin-like pathways, particularly NEDD8/Rub1, the COP9 signalosome, and the proteasome, asking how redox state and mitochondrial function reshape protein modification, degradation, and cellular resilience. The work combines yeast genetics, protein biochemistry, stress physiology, microscopy, proteomics, and comparative/evolutionary bioinformatics.

The lab uses *Saccharomyces cerevisiae* as a genetically tractable model for redox-responsive proteostasis, develops *Giardia lamblia* as a comparative model for stress adaptation in a mitochondria-lacking parasite, and extends selected questions to mammalian cells and environmentally adapted organisms. This comparative approach is designed to reveal conserved and rewired mechanisms that connect environmental stress, redox biology, mitochondrial state, and the evolution of protein-modification systems.

B. Positions, Scientific Appointments, Leadership and Honors

2006 Research Associate, Medical Oncology Unit, Yale Cancer Center, New Haven, CT, USA.
2006-2013 Lecturer, Department of Biology and Environment, University of Haifa-Oranim, Israel.
2012-2013 Visiting Scientist, Nevan Krogan Lab, Department of Cellular and Molecular Pharmacology, UCSF, USA.
2013-2020 Senior Lecturer (tenured), Department of Biology and Environment, University of Haifa-Oranim, Israel.
2020-2026 Associate Professor (tenured), Department of Biology and Environment, University of Haifa-Oranim, Israel.
2025 Visiting Scientist, Scott Dawson Lab, Microbiology and Molecular Genetics, UC Davis, USA.
2026- Associate Professor, The University of Kiryat Shmona in the Galilee, Israel.
2026- Research Fellow, The Institute of Evolution (IOE) at the University of Haifa, Israel.

- Head, Research Laboratory, Klein Center for Molecular and Environmental Biology, 2007-2026.
- Head of the Department of Biology and Environment, University of Haifa-Oranim, 2019-2022; also chaired departmental teaching, student disciplinary, and representation committees.
- Editorial Board member, Communications Biology (Cell & Molecular Biology), 2020-present; Associate Editor, Frontiers in Physiology - Redox Physiology, 2022-present; Guest Editor, Biomolecules (2020); Guest Editor of the Nature portfolio Targeted Protein Degradation collection, 2024-2025.
- National representative/management committee member and training-school organizer for COST ProteoCure (CA20113), 2021-2025; National management committee member in earlier COST actions in proteostasis/autophagy, 2014-2019.
- Grant and manuscript review service for ISF, BSF, GIF, ANR, NSC Poland, HFRI, MUR Italy and journals including PNAS, Nature Communications, EMBO Reports, Communications Biology, CMLS, and others.

C. Contributions to Science

Evolution and function of PCI complexes, the COP9 signalosome and the proteasome lid. Dr. Pick's work helped use yeast as an experimental model to understand the architecture, activity and evolution of the COP9 signalosome and its relationship to the proteasome lid and other PCI complexes.

- Yu Z et al. Dual function of Rpn5 in two PCI complexes, the 26S proteasome and the COP9 signalosome. Mol Biol Cell. 2011;22:911-920.
- Pick E et al. The minimal deneddylase core of the COP9 signalosome excludes the Csn6 MPN-domain. PLoS One. 2012;7:e43980.
- Sinha A et al. The COP9 signalosome mediates the Spt23 regulated fatty acid desaturation and ergosterol biosynthesis. The FASEB Journal. 2020;34:4870-4889.

Redox control of NEDD8/Rub1 and links to mitochondrial state. The laboratory defined how oxidative and mitochondrial stress regulate NEDD8/Rub1 pathways, connecting cullin modification cycles, redox-sensitive enzymes, and mitochondrial health.

- Bramasole L et al. Proteasome lid bridges mitochondrial stress with Cdc53/Cullin1 NEDDylation status. Redox Biol. 2019;20:533-543.
- Pick E. The necessity of NEDD8/Rub1 for vitality and its association with mitochondria-derived oxidative stress. Redox Biol. 2020.
- Issa S et al. Redox-driven regulation of UCHL3/Yuh1 influences mitochondrial health via the NEDD8/Rub1 pathway. Redox Biol. 2025;83:103655.

Model systems and tools for UBL/proteostasis research. The group developed yeast-based biochemical and genetic toolkits for studying COP9 signalosome/NEDD8/Rub1 biology, ROS dynamics, and redox-sensitive hydrolase activity.

- Harshuk-Shabso D et al. Saccharomyces cerevisiae as a toolkit for COP9 signalosome research. Biomolecules. 2021;11:497.
- Sinha A, Pick E. Fluorescence detection of increased reactive oxygen species levels in Saccharomyces cerevisiae at the diauxic shift. Methods Mol Biol. 2021;2202:81-91.
- Saad S et al. Strategies for monitoring ubiquitin C-terminal hydrolase 1 (Yuh1) activity. Methods Mol Biol. 2022;2602:107-122.

Comparative and environmental proteostasis. Current work expands UBL biology into comparative eukaryotic evolution, Giardia stress adaptation, and organismal responses to environmental oxygen stress.

- Sengupta S, Pick E. The ubiquitin-like proteins of Saccharomyces cerevisiae. Biomolecules. 2023;13:734.
- Shaul L, Issa S, Gefen E, Pick E. Hypoxia adaptation in locusts aligns with proteasome capacity. Adv Redox Res. 2026;100171.

D. Selected Research Support

Years	Source	Project	Role	Amount
2021-2026	Israel Science Foundation (Individual Research Grant)	Mechanistic studies of the interplay between NEDD8 pathways and the cellular redox state	PI	NIS 1,427,000
2025-2029	Israeli Council for Higher Education, Planning & Budgeting Committee (VATAT)	Establishing a New National Environmental Multi-Omics Lab, located at the Technion - Israel Institute of Technology and Ben-Gurion University of the Negev	Co- CI; with Arie Admon (PI), Tamar Ziv, Noam Ziv, Aaron Fait, Vered Caspi, Shai Shen-Orr, Naama Geva-Zatorsky, Alex Bronstein	NIS 15,000,000
2025-2027	Koret Foundation / Silicon Valley Foundation, CA-Israel Project	Bridging Parasitology and Biochemistry to Unravel Oxidative Stress Responses in *Giardia lamblia*	Co-PI; with Scott Dawson (UC Davis, USA)	NIS 84,000
2017-2021	Israel Science Foundation (Individual Research Grant)	The CSN/NEDD8 Axis in Homeostasis and Oxidative Stress	PI	NIS 900,000
2010-2014	Israel Science Foundation (Individual Research Grant)	Architectural and Functional Properties of the COP9 Signalosome: Budding Yeast as a Model	PI	NIS 468,000
2012-2015	MOST-Italy Joint Innovation Program	Regulation of Autophagy by the CSN Complex, a Possible Therapeutic Target for Neurodegeneration	Co-PI Giovanna Serino (Sapienza University of Rome, Italy)	NIS 204,000

E. Teaching, Mentoring and Outreach

- Recent B.Sc. teaching includes Molecular Biology, Cell Biology, Genetic Engineering Workshop, Environmental Challenges to Genome Stability, Biochemistry B: Metabolism of Macromolecules, and Genetic Engineering: Advancing Human Welfare.
- Mentoring and training have included postdoctoral fellows, Ph.D., M.Sc. and undergraduate students, in projects spanning COP9 signalosome biology, NEDD8/Rub1 redox regulation, yeast proteostasis, Giardia stress adaptation and OMICs.
- Community engagement includes recurring voluntary lectures and science-outreach activities, including public lectures on how the history of beer and wine production advanced yeast research and modern biology.

F. Full list of Articles in Refereed Journals

1) Gilad, E., Laudon, M., Matzkin, H., **Pick, E.**, Sofer, M., Braf, Z., Zisapel, N. (1996) Functional melatonin receptors in human prostate epithelial cells. Endocrinology 137: 1412-1417. [I.F. 4.38, Q1, R 10/81 Endocrinology and metabolism]

2) Gilad, E., **Pick, E.**, Matzkin, H., Zisapel, N. (1998) Melatonin receptors in benign prostate epithelial cells: evidence for the involvement of cholera and pertussis toxins-sensitive G proteins in their signal transductiaon pathways. Prostate 35: 27-34. [I.F. 3.209, Q1 15/83 Endocrinology and metabolism]

3) Poon, P., Cassel, D., Spang, A., **Pick, E.**, Rotman, M., Singer, R.A., Johnston, G.C. (1999) Retrograde transport from the yeast Golgi is mediated by two ARF GAP proteins with overlapping function. European Molecular Biology Organization (EMBO) Journal 18: 555-564. [I.F. 13.973, Q1, R 9/295 Biochemistry and Molecular Biology]

4) Dogic, D., de Chassey, B., **Pick, E.**, Cassel, D., Lefkir, Y., Hennecke, S., Cosson, P., Letourneur, F. (1999) The ADP-ribosylation factor GTPase-activating protein Glo3p is involved in ER retrieval. European Journal of Cell Biology 78: 305-310. [I.F. 3.043, Q2, R 37/141 Cell biology]

5) Szefar, E., **Pick, E.**, Rotman, M., Zuck, S., Huber, I., Cassel, D. (2000) Role of coatomer and phospholipids in GAP-dependent hydrolysis of GTP by ARF1. Journal of Biological Chemistry 275: 23615-23619. [I.F. 7.368, Q1, R 27/310 Biochemistry and Cell biology]

6) Huber, I., Rotman, M., **Pick, E.**, Makler, V., Rothem, L., Cukierman, E., Cassel, D. (2001) Expression, purification and properties of ARF GAP1. Methods in Enzymology 329: 307-316. [I.F. 1.793, Q2, R 21/43 Biochemical Research Methods]

7) Maytal-Kivity, V., Piran, R., **Pick, E.**, Hofmann, K., Glickman, M.H. (2002) A COP9 signalosome-like complex (CSN) is a regulator of mating pheromone response in *S. cerevisiae*. European Molecular Biology Organization (EMBO) Reports 3: 1215-1221. [I.F. 7.698, Q1, R 21/266 Biochemistry and Molecular Biology]

8) Maytal-Kivity, V., **Pick, E.**, Piran, R., Hofmann, K., Glickman, M.H. (2003) The COP9 signalosome-like complex in *S. cerevisiae* and links to other PCI complexes. The International Journal of Biochemistry & Cell Biology 35: 706-715. [I.F. 3.571, Q2, R 48/161 Cell Biology]

9) Rinaldi, T., **Pick, E.**, Gambadoro, A., Zilli, S., Maytal-Kivity, V., Frontali, L., Glickman, M.H. (2004) Participation of the proteasomal lid subunit Rpn11 in mitochondrial morphology and function is mapped to a distinct C-terminal domain. Biochemical Journal 381: 275-285. [I.F. 4.278, Q1, R 57/261 Biochemistry and Molecular Biology]

10) Burger, O., **Pick, E.**, Zwickel, J., Klayman, M., Meiri, H., Slotky, R., Mandel, S., Rabinovitch, L., Paltieli, Y., Admon, A., Gonen, R. (2004) Placental protein 13 (PP-13): effects on cultured trophoblasts, and its detection in human body fluids in normal and pathological pregnancies. Placenta 25: 608-622. [I.F. 4.278, Q1, R 57/261 Obstetrics & Gynecology]

11) Than, N.G., **Pick, E.**, Bellyei, S., Szigeti, A., Burger, O., Berente, Z., Janaky, T., Boronkai, A., Kliman, H., Meiri, H., Bohn, H., Than, G.N., Sumegi, B. (2004) Functional analyses of placental protein 13/galectin-13. European Journal of Biochemistry 271: 1065-1078. [I.F. 3.260, Q2, R 87/261 Biochemistry and Molecular Biology]

12) **Pick, E.**, Kluger, Y., Giltnane, J.M., Moeder, C., Camp, R.L., Rimm, D.L., Kluger, H.M. (2007) High HSP90 expression is associated with decreased survival in breast cancer. Cancer Research 67: 2932-2937. [I.F. 7.672, Q1, R 8/132 Oncology]

13) **Pick, E.**, Lau, O., Tsuge, T., Tong, Y., Menon, S., Dohmae, N., Plafker, S., Deng, X.W., Wei, N. (2007) Mammalian DET1 regulates Cul4A activity and forms stable complexes with E2 ubiquitin. Molecular and Cellular Biology 27: 4708-4719. [I.F. 6.420, Q1, R 34/263 Biochemistry and Molecular Biology]

14) McCarthy, M.M., **Pick, E.**, Kluger, Y., Gould-Rothberg, B., Lazova, R., Camp, R.L., Rimm, D.L., Kluger, H.M. (2008) HSP90 as a marker of progression in melanoma. Annals of Oncology 19: 590-594. [I.F. 4.935, Q1, R 26/143 Oncology]

15) **Pick, E.**, McCarthy, M.M., Kluger, H.M. (2008) Assessing expression of apoptotic markers using large cohort tissue microarrays. Methods in Molecular Biology 414: 83-94. [I.F. 1.29, Q3, Genetics; Molecular Biology]

16) Aziz S.A., Davies, M., **Pick, E.**, Zito, C., Jilaveanu, L., Camp, R.L., Rimm, D.L., Kluger, Y., Kluger, H.M. (2009) Phosphatidylinositol-3-kinase (PI3K) as a therapeutic target in melanoma. Clinical Cancer Research 15: 3029-3036. [I.F. 6.747, Q1, R 16/166 Oncology]

17) **Pick, E.**, Pintard[Δ], L. (2009) In the land of the rising sun with the COP9 signalosome and related Zomes. Symposium on the COP9 signalosome, proteasome and eIF3. European Molecular Biology Organization (EMBO) Reports 10: 343-348. [I.F. 7.45, Q1, R 30/283 Biochemistry and Molecular Biology]

18) **Pick, E.**, Hofmann K., Glickman, M.H. (2009) PCI Complexes: Beyond the proteasome, CSN, and eIF3 troika. Molecular Cell 35: 260-264. [I.F. 14.608, Q1, R 7/283 Biochemistry and Molecular Biology]

19) Golan, A., **Pick, E.**, Tsvetkov, L., Stern, D.F. (2010) Centrosomal Chk2 in DNA damage responses. Cell Cycle 19: 2645-2654. [I.F. 4.999, Q2, R 48/178 Cell Biology]

20) Yu, Z., Kleifeld, O., Lande-Atir A., Bsoul, M., Kleiman, M., Krutauz, D., Book, A., Vierstra, A.D., Hofmann, K., Glickman, M.H., **Pick, E.** (2011) Dual function of Rpn5 in two PCI complexes, the 26S proteasome and the COP9 signalosome. Molecular Biology of the Cell 22: 911-20. [I.F. 4.942, Q2, R 53/181 Cell Biology]

21) Kliman, H.J., Marei, S., Grimpel, Y.I., Lynch, S.K., Milano, B.A., **Pick, E.**, Bejar, J., Arad, A., Lee, J.J., Meiri, H., Gonen, R. (2012) Placental Protein 13 and de cidual zones of necrosis: an immunologic diversion that maybe linked to preeclampsia. Reproductive Sciences 19: 16-30. [I.F. 2.064, Q2, R 25/78 Obstetrics & Gynecology]

22) **Pick, E.**, Golan, A., Zimbler J.Z., Guo, L., Sharaby[#], Y., Tsuge, T., Hofmann, K., Wei, N. (2012) The Minimal Deneddylase Core of the COP9 Signalosome Excludes the Csn6 MPN[-] Domain. PLoS One 7: e43980. [I.F. 3.730, Q1, R 7/56 Multidisciplinary sciences]

23) Serino, G., **Pick, E.** (2013) Duplication and familial promiscuity within the proteasome lid and COP9 signalosome kin complexes. Plant Science 203-204: 89-97. [I.F. 4.114, Q1, R 27/204 Plant Sciences]

24) **Pick, E.**, Berman T.S. (2013) Formation of alternative proteasomes: same lady, different cap? FEBS Letters 587: 389-393. [I.F. 3.341, Q2, R 109/291 Biochemistry & Molecular Biology]

25) Liu, C., Guo, L., Menon, S., **Pick, E.**, Jin, D., Wang, X., Deng, X.W., Wei, N. (2013) COP9 signalosome subunit Csn8 is involved in maintaining proper duration of the G1 phase. Journal of Biological Chemistry 288: 20443-20452. [I.F. 4.600 Q1, R 65/291 Biochemistry & Molecular Biology]

26) Licursi, V., Salvi, C., De Cesare, V., Rinaldi, T., Mattei, Benedetta; F., C., Serino, G., Zimbler, J., Bramasole, L., **Pick, E.**, Barnes, B., Bard, M., Negri, R. (2014) The COP9 signalosome is involved in the regulation of lipid metabolism and of transition metals uptake in *S. cerevisiae*. FEBS Journal 281: 175-190. [I.F. 4.237, Q2, R 77/290]

27) Irigoyen, M.L., Iniesto, E., Rodriguez, L., Puga, M.I., Yanagawa, Y., **Pick, E.**, Strickland, E., Paz-Ares, J., Wei, N., De Jaeger, G., Rodriguez, P.L., Deng, X.W., Rubio, V. (2014) Targeted degradation of abscisic acid receptors is mediated by the ubiquitin ligase substrate adaptor DDA1 in *Arabidopsis*. Plant Cell 26: 712-28. [I.F. 9.339, Q1, R 4/204 Plant Sciences]

28) Mahon, C.S., Krogan, N.J., Craig, C.S., **Pick, E.** (2014) Cullin E3 Ligases and Their Rewiring by Viral Factors. Biomolecules 4: 897-930 [I.F. 4.694, Q1, R 85/299 Biochemistry & Molecular Biology]

29) **Pick, E.**, Bramasole, L. (2014) Moonlighting and pleiotropy within two regulators of the degradation machinery: the proteasome lid and the CSN. Biochemical Society Transactions 42: 1786-1791 [I.F. 3.194, Q2, R 111/290 Biochemistry & Molecular Biology]

30) Yu, Z., Livnat-Levanon, N., Kleifeld, O., Mansour, W., Nakasone, M.A., Castaneda, C.A., Dixon, E.K., Fushman, D., Reis, N., **Pick, E.**, Glickman, M.H. (2015) Proteasome can serve as a platform for stepwise lid formation. Bioscience Reports 35. pii: e00194 [I.F. 2.446 Q3, R 167/289 Biochemistry & Molecular Biology]

31) Laviad, S., Golan, A., Shaked, T., Vaizel-Ohayon, D., Halpern, M., **Pick , E.** (2016) *Aeromonas* chitinase degrades chironomid egg masses. Environmental Microbiology Reports 8: 30-37 [I.F. 3.500 Q1, R 40/225 Environmental Sciences]

32) Cirigliano, A., Stirpe, A., Menta, S., Mori, M., Dell'Edera, D., **Pick, E.**, Negri, R., Botta, B., Rinaldi, T. (2016) Yeast as a tool to select inhibitors of the cullin deneddylating enzyme Csn5. Journal of Enzyme Inhibition and Medical Chemistry 31: 1632-1637 [I.F. 4.293, Q1, R 70/290 Biochemistry & Molecular Biology]

33) Golan, A., Wei, N., **Pick, E.** (2016) Immunodepletion and immunopurification as Approaches for CSN Research. Methods in Molecular Biology 1449: 103-116 [I.F. 1.000, Q3, Genetics; Molecular Biology]

34) Bramasole, L., Sinha, A., Gurevich, S., Radzinski, M., Klein, Y., Panat, N., Gefen, E., Rinaldi, T., Jimenez-Morales, D., Johnson, J., Krogan, NJ., Reis, N., Reichmann, D., Glickman, MH., **Pick, E.** (2019) Proteasome lid bridges mitochondrial stress with Cdc53/Cullin1 NEDDylation status. Redox Biology 20: 533-543. [I.F. 9.986, Q1, R 20/297 Biochemistry & Molecular Biology]

35) Bramasole, L., Sinha, A., Harshuk, D., Cirigliano, A., Gurevich, S., Yu, Z., Carmeli, RL., Glickman, MH., Rinaldi, T., **Pick, E.** (2019) The proteasome lid triggers COP9 signalosome activity during the transition of *Saccharomyces cerevisiae* cells into quiescence. Biomolecules 9. pii: E449. [I.F. 4.082, Q1, R 98/297 Biochemistry & Molecular Biology]

36) Dissmeyer, N., Coux, O., Rodriguez, M.S., Barrio Rosa., Core Group Members [Ballar, P., Blattner, C., Carracedo, A., Clauge, MJ., Dantuma, N., Farras, R., Girao., J., Glickman, MH., Holmberg, CI., Jupin, I., Leon, S., Marfany, J., Matthiesen, R., **Pick, E.**, Piechaczyc, M., Polo, S., Scheper, W., Skoulakis, EMC., Xirodimas, D.] (2019) PROTEOSTASIS: A European Network to Break Barriers and Integrate Science on Protein Homeostasis. Trends in Biochemical Sciences 44: 383-387 [I.F. 16.805, Q1, R 4/299 Biochemistry & Molecular Biology]

37) Cirigliano, A., Amelina, A., Biferali, B., Macone, A., Mozzetta, C., Bianchi, M.M., Mori, M., Botta, B., **Pick, E.**, Negri R., Rinaldi, T. (2020) Statins interfere with the attachment of *S. cerevisiae mt*DNA to the inner mitochondrial membrane. Journal of Enzyme Inhibition and Medicinal Chemistry DOI: 10.1080/ 14756366.2019.1687461. [I.F. 5.051, Q1, R 14/63 Chemistry, Medicinal; Q2, 89/297 Biochemistry & Molecular Biology]

38) Sinha, A., Israeli, R., Cirigliano, A., Trabelcy, B., Braus, G.H., Gerchman, Y., Fishman, A., Negri, R., Rinadi, T., **Pick, E.** (2020) The COP9 signalosome mediates the Spt23 regulated fatty acid desaturation and ergosterol biosynthesis. The FASEB Journal 34:4870-4889 [I.F. 4.966, Q1, R 58/297 Biochemistry & Molecular Biology; 9/93 Biology]

39) **Pick, E.** (2020) The Necessity of NEDD8/Rub1 for Vitality and its Association with Mitochondria-Derived Oxidative Stress. Redox Biology DOI: 10.1016/j.redox.2020.101765 [I.F. 11.799, Q1, R 21/297 Biochemistry & Molecular Biology]

40) Sinha, A., **Pick, E.** (2021) Fluorescence Detection of Increased Reactive Oxygen Species Levels in *Saccharomyces cerevisiae* at the Diauxic Shift. Methods in Molecular Biology 2202:81-91. [I.F. 1.17, Q3, Genetics; Molecular Biology]

41) Harshuk-Shabso, D., Castel N., Israeli, R., Harari, S., **Pick, E.** (2021) *Saccharomyces cerevisiae* as a Toolkit for COP9 Signalosome Research. Biomolecules 11, 497. doi: 10.3390/biom11040497. [I.F. 4.879, Q1, R 96/297 Biochemistry & Molecular Biology]

42) Saad, S., Berda, E., Klein, Y., Issa, S., **Pick, E.** (2022) Strategies for monitoring 'ubiquitin C-terminal hydrolase 1' (Yuh1) activity. Methods in Molecular Biology 2602:107-122. [I.F. 1.17, Q3, Genetics; Molecular Biology]

43) Sengupta, S., **Pick, E**. (2023) The Ubiquitin-like Proteins of *Saccharomyces cerevisiae*. Biomolecules 13, 734. doi: 10.3390/biom13050734. [I.F. 4.879, Q1, R 96/297 Biochemistry & Molecular Biology]

44) Coux, O., Farràs, R., Abbas, M., Barrio, R., Blattner, C., Brix, K., Chachami, G., Chevet, E., Clague, M.J., Dantuma, N., Divac Rankov, A., Galdeano, C., Giglione, C., Glickman, M.H., Lalmanach, G., Lindon, C., Matthiesen, R., Meroni, G., **Pick, E.,** Poidevin, L., Rivas, C., Rodriguez, M.S., Sammler, E., Shiber, A., Skoulakis, E.M.C., Stein, M., Vertegaal, A.C.O. (2024) ProteoCure: A European network to fine-tune the proteome. Biochimie, 226, 4-9. [I.F. 3.3, Q1, R 120/297 Biochemistry & Molecular Biology].

45) Issa, S., Klein, Y., Berda, E., Saad, S., Sharaby, Y., Benhar, M., & **Pick, E.** (2025) Redox-driven regulation of UCHL3/Yuh1 influences mitochondrial health via the NEDD8/Rub1 pathway. Redox Biology 83, 103655. [I.F. 16.2, Q1, R 11/328 Biochemistry & Molecular Biology].

46) Cirigliano, A., Schifano, E., Ricelli, A., Bianchi, M.M., **Pick, E.,** Rinaldi, T., Montanari, A. (2025) Csn5 Depletion Reverses Mitochondrial Defects in GCN5-Null *Saccharomyces cerevisiae*. International Journal of Molecular Sciences 26, 6916. [I.F. 5.6, Q1, R 72/328 Biochemistry & Molecular Biology].

47) Shaul, L., Issa, S., Gefen, E., **Pick, E.** (2026) Hypoxia adaptation in locusts aligns with proteasome capacity. Advances in Redox Research, 100171. doi: 10.1016/j.arres.2026.100171. [I.F. 3.8, Q2, R 149/328 Biochemistry & Molecular Biology].

G. Articles or Chapters in Scientific Books (Refereed)

1) **Pick, E.**, McCarthy, M.M., Kluger, H.M. (2008) Assessing expression of apoptotic markers using large cohort tissue microarrays. In: Mor, G., Alvero, A.B. (eds) Apoptosis and cancer: methods and protocols. Methods in Molecular Biology, vol 414. p83-93. Humana Press, New York, NY (appears also as D14).

2) Golan, A., Wei, N., **Pick, E.** (2016) In: Matthiesen R. (ed) Proteostasis. Methods in Molecular Biology, vol. 1449. p103-116. Humana Press, New York, NY (appears also as D33).

3) Sinha, A., **Pick, E.** (2020) Fluorescence Detection of Increased Reactive Oxygen Species Levels in *Saccharomyces cerevisiae* at the Diauxic Shift. Reactive Oxygen Species: Methods and Protocols, Methods in Molecular Biology, vol. 2202. p81-92. Humana Press, New York, NY (appears also as D39).

4) **Pick, E.**, Serino, G. Rub1/NEDD8 in Redox signaling. Oxidative Stress and Disease Book Series (Chapter 7). Taylor & Francis Group CRC Press/Chapman & Hall; 20 pages

5) Saad, S., Berda, E., Klein, Y., Issa, S., **Pick, E.** (2022) Strategies for monitoring 'ubiquitin C-terminal hydrolase 1' (Yuh1) activity. Methods in Molecular Biology 2202:81-91. [I.F. 1.17, Q3, Genetics; Molecular Biology]

H. Articles in Conference Proceedings

1) Maytal-Kivity, V., Piran, R., **Pick, E.**, Hofmann, K., Glickman, M.H. (2002) A COP9 signalosome-like complex (CSN) is a regulator of mating pheromone response in *S. cerevisiae*. European Molecular Biology Organization (EMBO) Reports 4: 534-534. [I.F. 7.698, Q1, R 21/266 Biochemistry and Molecular Biology]

2) Than, N.G., **Pick, E.**, Bellyei, S., Burger, O., Minik, O., Janaky, T., Kliman, H., Bohn, H., Meiri, H., Sumegi, B., Than, N. (2004) Structural and functional characterization of placental protein 13/galectin-13. Placenta 25 (8-9): A52-A52. [I.F. 2.683, Q1, R 6/55 Obstetrics & Gynecology]

3) Boronkai, A., Bellye, S., **Pick, E.**, Szigeti, A., Burger, O., Minik, O., Janaky, T., Kliman, H., Bohn, H., Meiri, H., Sumegi, B., Than, N. (2005) Molecular biological characterization and functional analysis of PP13/galectin-13. *FEBS Journal* 272 (s1) Abstract number: D2-007P. [I.F. 3.033 Q N/A]

4) Marei, S., Stalk, M., Gebhardt, S., **Pick-Golan, E.**, Meiri, H., Huppertz, B., Hillerman, R., RNA splicing and DNA polymorphism leading to two shorter sub-forms of PLACENTA PROTEIN 13 in preeclampsia. (2007) American Journal of Obstetrics & Gynecology. 195: S141. [I.F. 3.083, Q1, R 7/53 Obstetrics & Gynecology]

5) Tsuge, T., Aki, S., Dohmae, N., Menon, S., **Pick, E.**, Wei, N., Oka, A. (2006) Identifying novel regulation of the COP9 signalosome. Plant and Cell Physiology 47: S239-S239. [I.F. 3.324, Q1, R 15/147 Plant Sciences]

6) Tsuge, T., Aki, S., Taniguchi, M., Dohmae, N., Menon, S., **Pick, E.**, Wei, N. (2007) Identifying novel regulation beyond proteolysis regulation of the COP9 signalosome. Plant and Cell Physiology 8: S218-S218. [I.F.3.324, Q1, R 15/152 Plant Sciences]

7) Marei, S., Stalk, M., Nisenblat, S., Gebhardt, S., **Pick-Golan, E.**, Meiri, H., Huppertz, B., Hiillerman, R. (2007) Subforms of PP13 may contribute to marker deficiency in preeclampsia. Placenta 28 (8-9): A67-A67. [I.F.3.238, Q1, R 5/60 Obstetrics & Gynecology]

8) Aziz, S.A., **Pick-Golan, E.**, McCarthy, M.M., Flaherty, K.T., Camp, R.L., Rimm, D.L., Kluger, H.M. (2007) Assessment of PI3 kinase as a druggable target in melanoma. ASCO Annual Meeting Proceedings (Post-Meeting Edition). Journal of Clinical Oncology 25: 18S. [I.F. 15.484, Q1, R 5/127 Oncology]

9) Kliman, H.J., Sammar, M., Lynch, S.K., Gimpel, Y., **Pick, E.**, Bejar, J., Arad, A., Meiri, H. and Gonen, R. (2008) PP13 (Galectin 13) Mediated Zones of Necrosis Diverts the Maternal Immune Response Away from the Decidual Spiral Arterioles. International Society for the Study of Hypertension in Pregnancy. American Journal of Obstetrics and Gynecology. 195: S141 216-216. [I.F. 3.453, Q1, R 7/61 Obstetrics & Gynecology]

10) Salvi, C., Licursi, V., Alagia, A.A., De Cesare, V., Mattei, B., Rinaldi, T., Serino, G., Balliano, G., **Pick, E.,** Barnes, B.M., Bard, M., and R Negri. (2012) Role of the CSN5 subunit of Cop9 signalosome in transcription modulation of genes involved in zinc and lipid metabolism in *S. cerevisiae*. 12th FISV Congress, pp. 140-144; Federazione Italiana Scienze della Vita

11) Papaevgeniou, N., Fotopoulou, T., Vasilopoulou, M., Panat#, N., **Pick, E.**, Golan, A., Gonos, E., Papahatjis, D., Calogeropoulou, T., Koufaki, M., Chondrogianni, N. (2019) A novel bioinspired proteasome activator: potential anti-ageing strategies offered by mother nature (but not only): Free Radical Biology and Medicine 139: 6. [I.F. 6.170, Q1, R 41/297 Biochemistry & Molecular Biology]

12) Intriago, M.S., Guerriero, C. Tacconi, S. Giudetti, A.M., Dallanoce, C., **Pick, E.**, Rinaldi, T., Dini, L., Tata, A.M. (2021) Ubiquitin-proteasome system, mitochondrial respiration alterations and oxidative stress induction in human glioblastoma cells: role of the M2 muscarinic receptors. GLIA 69: E550-E550. [I.F. 7.452, Q1, R 33/273 Neurosciences]

I. Editor of Books

1) Chondrogianni, N., **Pick, E.,** & Gioran, A. (Eds.). (2021). The Proteostasis Book. In Oxidative Stress and Disease Book Series. Taylor & Francis Group CRC Press/Chapman & Hall. Includes 20 chapters from leading international scholars.

J. Published Preprints

1) Radzinski, M., Yogev, Y., Yesharim, Y., Brielle, E.S., Israeli#, R., Fassler, R., Melamed-Book, N., Shai, N., Arkin, T.I., **Pick, E.**, Ravid, T., Schuldiner, M., Reichmann, D. (2019) A molecular switch for Cdc48 activity and localization during oxidative stress and aging. bioRxiv, DOI: https://doi.org/10.1101/733709

2) Gurevich, S., Sinha#, A., Longworth, J., Singh, R.K., Lemma, B., Thakur, A., Popp, O., Kornitzer, D., Dittmar, G., **Pick, E.,** Fushman, D., Glickman, M.H. (2020) Rub1/NEDD8, a ubiquitin-like modifier, is also a ubiquitin modifier. bioRxiv, DOI: doi.org/10.1101/2020.06.18.159145

3) Issa, S., Klein, Y., Berda, E., Saad, S., Harshuk-Shabso#, D., Sinha, A., Sharaabi, Y., Benhar, M., & **Pick, E**. (2024). Redox-driven control of Yuh1/UCHL3 impacts mitochondrial health via the NEDD8/Rub1 pathway. bioRxiv. DOI: doi.org/10.1101/2024.05.20.594945.