Curriculum Vitae Yitzhak Pilpel Ben-May Professorial Chair Kimmel Investigator

### **Personal Details**

Date of birth: September 12<sup>th</sup> 1968 Citizenship: Israeli Mailing Address: Dept. of Molecular Genetics Weizmann Institute of Science Rehovot 76100, Israel Contact Information: Phone: 972 8 934 6058 Fax: 972 8 934 4108 E-mail: pilpel@weizmann.ac.il Lab home page: http://longitude.weizmann.ac.il

## **Employment History**

- 2015 **Full Professor** Department of Molecular Genetics, Weizmann Institute of Science. Group leader.
- 2008 2015: Associate Professor Department of Molecular Genetics, Weizmann Institute of Science. Group leader.
- 2010 Incumbent of the Ben-May Professorial Chair
- 2008 2009: **Visiting Professor**, Department of Systems Biology, Harvard Medical School.
- 2003 2008: **Senior Scientist**, Department of Molecular Genetics, Weizmann Institute of Science. Group leader.

## Academic Administration

- 2019-present: **Director**, The Braginsky Center for the Interface between Science and the Humanities
- 2019-present: **Head**, Department of Molecular Genetics, Weizmann Institute of Science
- 2018-present: **Director**, Azrieli Institute of Systems Biology, Weizmann Institute of Science
- 2015-2018: **Head**, Committee on Appointment of Senior Scientists (tenure track faculty entry rank), Life Sciences Faculties, Weizmann Institute of Science.

- 2010-2013: **Member** of Committee on Appointment of Senior Scientists (tenure track faculty entry rank), Weizmann Institute of Science.
- 2009-2012: **Member** of Committee on Appointment of Senior Scientists (tenure track faculty entry rank), Life Sciences Faculties, Weizmann Institute of Science.
- 2007 2008 **Member** of the Board of Studies, Life Sciences Feinberg Graduate School, Weizmann Institute of Science, Rehovot, Israel..
- 2004 2008 **Head** of the Graduate Program in Bioinformatics Feinberg Graduate School,. Weizmann Institute of Science.

# **International Appointments**

## Positions in academia and membership on committees

- 2018-present **Chair** The European Research Council (ERC): Review panel ERC *Advanced grant*, on Genetics, Genomics, Bioinformatics and Systems Biology.
- 2015-2018 **Member** EMBO Young Investigator Program: of the selection committee
- 2012 2018: **Member** The European Research Council (ERC): review panel ERC Advanced grant, on Genetics, Genomics, Bioinformatics and Systems Biology.
- 2010: **Member** of the International Advisory Board, Centre for Integrative Systems Biology at Imperial College, London.

## • Teaching experience - courses taught

- 2012-present Lecturer Advanced Seminar of Regulatory Genomics, Feinberg Graduate School, Weizmann Institute of Science
- 2014 present: Lecturer "Regulatory Genomics", Feinberg Graduate School, Weizmann Institute of Science.
- 2014 2017: Lecturer "Medical Genomics, Genetics" Harvard Summer School.
- 2011 2014: Lecturer "Systems and Genome Biology" Harvard Summer School.
- 2003 2006: Lecturer "Computational Functional Genomics." Feinberg Graduate School, Weizmann Institute of Science.
- 1998: **Teaching Assistant** for the course, "Programming for Bioinformatics and Internet." Feinberg Graduate School, Weizmann Institute of Science.
- 1997: Lecturer "Computational Genomic and Bioinformatics." Feinberg Graduate School, Weizmann Institute of Science.
- 1994: **Teaching Assistant** "Receptors and Recognition." Feinberg Graduate School, Weizmann Institute of Science.
- 1992: Teaching Assistant "Calculus." Tel Aviv University.

## • Membership on scientific advisory boards, consulting activities

- 2009 2011: Consultant for <u>Evogene</u>, Rehovot, Israel.
- 2005: Member of the Program Committee, RECOMB 2005, (San Diego CA, USA).
- 2004 2006: Member of the Program Committee, RECOMB Regulatory Genomics 2004, (San Diego CA, USA).
- 2001-2002: Consultant for Pfizer, Cambridge MA, on G-Protein Coupled Receptor structure and function.

### Membership on editorial boards

- Associate Editor: <u>PLoS Computational Biology</u> (term ended)
- Associate Editor: <u>Biology Direct</u>
- Editorial Board Member Current Opinion in Genetics and Development

# Education

- 2000 2002 Postdoctoral Fellow, Department of Genetics, Harvard Medical School, Boston, MA, USA. Advisor: Prof. George M. Church.
- 1995 1999 Ph.D. degree. Department of Molecular Genetics, Weizmann Institute of Science, Rehovot, Israel. Thesis title: Structural and evolutionary genomics of molecular recognition repertoires. Advisors: Prof. Doron Lancet, Prof. Ephraim Katchalski-Katzir.
- 1994 1995 Studies toward M.Sc. degree followed by transferring to direct Ph.D. track. Department of Membrane Research and Biophysics, Weizmann Institute of Science, Rehovot, Israel. Advisors: Prof. Doron Lancet, Prof. Ephraim Katchalski-Katzir.
- 1990 1993 B.Sc. degree. Major: Biology. Tel-Aviv University, Tel-Aviv, Israel.

# **International Recognition**

- Prizes, awards, and competitive scholarships
  - 2020 <u>Kimmel Award For Innovative Investigation</u>
  - 2018 ERC PoC Grant
  - 2014 ERC Consolidator Grant
  - 2013 <u>IBM Faculty Award</u>
  - 2012 Michael Bruno Memorial Award
  - 2011 <u>EMBO member</u>
  - 2010 Hestrin Prize. The Israeli Society for Biochemistry and Molecular Biology
  - 2008 European Research Council grant award
  - 2007 <u>Levinson Prize in Biology, the Scientific Council, Weizmann Institute of</u> <u>Science</u>
  - 2006 James Heineman Research Award, (awarded by Minerva Stiftung).

- 2005 <u>EMBO Young Investigator Award, awarded by the European Molecular</u> <u>Biology Organization.</u>
- 2003 Fellowship from the Center for Complexity Sciences a merit-based fellowship for young principal investigators (awarded by the Horowitz Foundation).
- 2000 Fulbright Postdoctoral Award, awarded by the United States Israel Educational Foundation.
- 1999 Prize of Distinction for outstanding Ph.D. studies. Awarded by the Feinberg Graduate School, Weizmann Institute of Science.
- 1998 First Prize in the National Competition for Multidisciplinary Ph.D. Studies. Awarded by the Faculty of Mathematics and Natural Sciences, Hebrew University of Jerusalem.
- 1997 Fellowship of Distinction for outstanding achievement in studies and research. Awarded by the Dean of the Feinberg Graduate School, Weizmann Institute of Science.

## • International organizing committees, Membership in juries, Review boards

- 2020 Language of Evolution and Evolution of the Language, an international conference at the Weizmann Institute
- 2019 Co-started The First Conference of the Israeli Evolution Society
- Started Evolthon the Lab Evolution challenge
- 2016 <u>Genome Evolution 2016</u>, an international conference at the Weizmann Institute
- 2014 Member on the <u>Pan-Cancer Genome Atlas project</u>
- 2014 Initiated and co-organized the first <u>Workshop on the Economy of a Cell</u>, ICTP, Trieste
- 2013, 2015 review panel member, Israel Science Foundation, Bioinformatics, Systems and computational Biology committee
- 2011-present Initiated and directed <u>Harvard-Weizmann partnership in Systems</u> <u>Biology</u>
- 2009-2010 USA-Israel Bi-national Foundation (BSF) review panel member, Computational Biology

## • Invited talks at international meetings

- 1. FEBS Meeting Ljubljana, 2020
- 2. Third Annual Symposium on Protein Folding on the Ribosome. Berlin, 2019
- Gordon Research Conference on Molecular Mechanisms in Evolution. Stonehill MA, 2019
- 4. Translating Translation, the RNA society. Hamburg 2018
- 5. Invited Speaker, 4th EMBO conference on Experimental Approaches to Evolution and Ecology using Yeast and Other Systems 2016
- 6. Invited Speaker, <u>Winter School on Quantitative Systems Biology, The</u> International Centre for Theoretical Science (ICTS) Bangalore, India 2015

- 7. Invited Speaker, Cancer Symposium at the Nobel Forum, Karolinska Institute, Stockholm, Sweden, 2015.
- 8. Invited Speaker, the Netherlands Cancer Institute (NKI), as part of the international seminar series, Amsterdam 2015.
- 9. Plenary Lecture <u>The Joseph Braverman Annual Lecture</u>, <u>Biotechnology</u> <u>Engineering Faculty Day</u>, <u>Technion</u>, <u>Haifa 2014</u>.
- 10. <u>Invited Speaker at EMBO Experimental Approaches to Evolution and Ecology</u> using Yeast and other Model Systems, Heidelberg, 2014.
- 11. Organizer, and speaker, <u>Workshop on Cellular Economy the International Centre</u> for Theoretical Physics (ICTP), Trieste, 2014
- 12. <u>Invited speaker at EMBO Cancer Genomics Meeting November 2013,</u> <u>Heidelberg</u>.
- 13. <u>Invited speaker at 108th ITC Causes and consequences of aneuploidy, October</u> <u>Titisee</u> 2013.
- 14. Plenary Lecture New EMBO member lecture at the EMBO Members Meeting 2012.
- 15. Invited Speaker EMBO Conference series: <u>Experimental Approaches to Evolution</u> and Ecology using Yeast, Heidelberg 2012.
- 16. Invited Speaker EMBO Conference series: <u>From Functional Genomics to Systems</u> <u>Biology, Heidelberg, 2012</u>.
- 17. <u>Keynote International conference on information processing in cells and tissues</u> <u>Cambridge UK, 2012</u>.
- 18. Talk at the Distinguished Lecture Series at McGill University, 2011.
- 19. Plenary Speaker <u>The International Conference on Systems Biology (ICSB)</u> <u>Heidelberg 2011</u>.
- 20. Invites Speaker EMBO meeting title: Controlling the ribosome on the genetic highway, Barcelona, 2012.
- 21. Keynote speaker Imperial College London 2010 An open day on computational systems biology.
- 22. Keynote speaker <u>RECOMB Bioinformatics-education San-Diego 2010</u>.
- 23. Whitehead Institute Lecture Series, Invited talk "Post-transcription regulatory networks, Cambridge, MA 2010.
- 24. Keynote speaker <u>Keystone meeting on Biomolecular Interaction Networks:</u> <u>Function and Disease 2010 Quebec City 2010</u>.
- 25. Keynote speaker <u>The 24<sup>th</sup> International Conference on Yeast Genetics and</u> Molecular Biology Manchester UK, 2009
- 26. Invited Speaker Whistler Meeting on yeast genetics 2009.
- 27. Invited guest, Pasteur-Weizmann Program, Institute Pasteur, Paris 2009.
- 28. EMBO Young Investigator meeting, Heidelberg Germany, 2008.
- 29. Invited Speaker Batsheva Seminar on Information Processing in Living Cells (International meeting), Ein Gedi Israel. 2008.
- 30. Invited Speaker The Human Genome Meeting (HUGO), India. (declined) 2008.

- 31. Invited Speaker EMBO workshop on Evolutionary and Environmental Genomics of Yeast, 2008.
- 32. Plenary Speaker The German Bioinformatics Conference, Potsdam, Germany, 2007.
- 33. Invited Speaker The 9th International Northern European Bioinformatics Conference, Umeå, Sweden, 2007.
- 34. Invited Speaker International course on "Global interrogations of biological processes" ISREC, Lausanne, Switzerland, 2006.
- 35. Invited Speaker Systems Biology and Evolution Workshop, Imperial College, London, UK, 2006.
- 36. Speaker at the Baure Center for Genomics Research, Harvard University, Cambridge 2006.
- 37. Speaker at The 6<sup>th</sup> EMBO Young Investigator Meeting, Vienna 2006.
- 38. Guest lecturer in the seminar series of the Rockefeller Center for Studies in Physics and Biology, New York, 2006.
- 39. Invited Speaker The Yeast Systems Biology Network, Gotenburg, Sweden, 2005.
- 40. Invited Speaker The 3rd Bertinoro Computational Biology Meeting, Bertinoro, Italy, 2005.
- 41. Invited Speaker EMBO Practical Course on Functional Genomics, Milan, Italy, 2005.
- 42. Speaker (selected by peer review) The First Annual RECOMB Meeting on Regulatory Genomics. University of California at San Diego, San Diego, CA, USA, 2004.
- 43. Invited Speaker The 5<sup>th</sup> International Northern European Bioinformatics Conference, Helsinki, Finland, 2003.
- 44. Invited Speaker The 2nd Annual McGill Workshop on Computational Biology, Barbados, 2003.
- 45. Invited Speaker, DIMACS Workshop on Integration of Diverse Biological Data, Rutgers University, Piscataway, NJ, USA, 2003.

#### • Invited talks at national meetings

- 1. 2015 Landscapes of Collectivity in the Life Sciences, Tel-Aviv, Jerusalem.
- 2. 2015 NYU-Tel Aviv Symposium on Individuality and Cooperation: Cells, Organisms and Populations, Tel-Aviv.
- 3. 2014 "Genomic and systems perspectives on protein translation" Anat Krauskopf memorial lecture, Tel-Aviv University.
- 4. 2014 "Prospects of realizing Lamarckian evolution in the lab" Gene to Genome Workshop, Ben-Gurion University
- 5. 2014 A dual translation efficiency program in proliferation and differentiation" Cancer Research Club, Weizmann Institute of Science
- 6. 2014 A dual translation efficiency program in proliferation and differentiation" Cancer Research Club, Weizmann Institute of Science

- 7. 2008 "Coping with genetic and non-genetic stress." ILANIT, Eilat, Israel.
- 8. 2004 "Promoter analysis of gene duplications reveals the architecture of genetic backup circuits." The Annual Meeting of the Israel Society of Genetics, (Haifa, Israel).
- 9. 2003 "Computational dissections of genetics regulatory networks." The 6<sup>th</sup> Israeli Bioinformatics Conference, Haifa, Israel.

### Refereed international conference talks

- 1. 2007 "Comparative genomics of translation regulation in yeast," a "Highlight Track" ISMB, Vienna.
- 2005 "Genome-wide transcription regulatory circuits controlling cellular malignant transformation." (One of 50 talks selected for oral presentation from 500 submissions. (Lecture delivered by my student) Best Poster Award. ISMB, Detroit.
- 3. 2005 "Transcriptional reprogramming in genetic backup circuits." (One of 50 talks selected for oral presentation from 500 submissions. (Lecture delivered by my student) ISMB, Detroit.
- 2005 "Characterization of the effects of TF binding site variations on gene expression: Towards predicting the functional outcomes of regulatory SNPs." (Lecture delivered by my student.) RECOMB Regulatory Genomics and Systems Biology, San Diego.
- 5. 2005 "Backup by paralogs decouples genes lethality from centrality: evidence for preferential backup of hubs." RECOMB Regulatory Genomics and Systems Biology, San Diego.
- 2005 "Phenotypic divergence correlates with translational control signals in protein coding sequences in yeast species." (Lecture delivered by my student.) RECOMB Regulatory Genomics and Systems Biology, San Diego.

## **Scientific Productivity**

• Competitive national and international grants (latest grant first)

- 2020-2026 Minerva Center on "Live emulation of genome evolution in the lab" (a Center under my initiation and directorship, with 7 additional groups) €
   900,000 (pending renewal)
- 2. 2019-2024 **Israel Science Foundation** Protein secretion as a basis of social life in microbes (NIS 1,500,000)
- 3. 2018-2020 **The European Research Council (ERC)** Proof of Concept grant, Enhancing biological drug production through protein secretion (SECReTE), Euro 150,000

- 4. 2018-2020 **Israel Cancer Research Foundation**: Characterizing the spectrum and mechanisms of phenotypic errors in cancer, \$100,000
- 5. 2015-2018 Minerva Foundation tRNA sequencing in cancer 150,000 Euro
- 2014-2019 Israel Science Foundation The proteome in cancer and normal cells NIS 1,500,000
- 2014-2020 Minerva Center on "Live emulation of genome evolution in the lab" (a Center under my initiation and directorship, with 7 additional groups) €
   900,000
- 8. 2014-2019 "Translation in proliferating and differentiated cells" The European Research Council (ERC) Consolidator grant, € 1,650,000
- 9. 2013 IBM Faculty Award, \$10,000
- 10. 2013-2014 "Evolution of the Hebrew language" The **Braginski** Center for the interface of science and humanities at the Weizmann Institute of Science, **\$40,000**
- 11. 2011-2016 "Functional genomics and systems-level analysis of septicemic E. coli pathogens" German-Israeli Project Cooperation (**DIP**), € **250,000** (lab's portion in a consortium of 6 labs)
- 12. 2010-2013 "Adaptive conditioning and anticipation of environmental perturbations in microbial systems", Minerva Foundation, € 150,000
- 2008-2011 "Pavlovian genetics in microorganisms", Israel Science Foundation (ISF), *FIRST* grant, \$180,000
- 14. 2008 2012 "Expression regulatory networks: Beyond promoters and transcription control." European Research Foundation (**ERC**) "Ideas Grant," a personal competitive grant awarded by the EU. € **1,300,000**
- 15. 2004-2009 A non-competitive grant from the Ben May Foundation. \$105,000
- 16. 2007 2009 "Systems biology of regulatory networks." Minerva Foundation.
  € 150,000
- 2007 2008 "A potential role for non-coding RNA in regulating gene expression noise: a mathematical approach", Clore Center for Biological Physics, Weizmann Institute of Science. \$20,000
- 2006 2010 "Evolutionary Conditioning," a non-competitive grant from the Tauber Foundation (with N. Eshel Ben-Jacob, et al.). \$200,000
- 19. 2006 2010 James Heineman Research Award, (Minerva Stiftung)
  € 60,000
- 20. 2006 2009 **EMBO** Young Investigator Program (YIP). European Molecular Biology Organization. € **45,000**
- 21. 2005 2010 "The effect of mutations on transcription regulation." European Union Network of Excellence in Bioinformatics. € 300,000 (with 20 additional groups)
- 22. 2005 Grant from the Center for Systems Biology, Weizmann Institute of Science. **\$10,000**

- 23. 2004 2007 "Deciphering the structure and logic of genetic regulatory networks and signaling pathways in multi-cellular organisms." Israel Science Foundation (ISF). \$240,000
- 24. 2004 2006 "Computational dissections of transcription factor-promoter interactions." **Minerva** Foundation. € **75,000**
- 25. 2003 2004 A lab-grant from the **Horowitz Foundation** Center for Complexity Sciences. **\$88,000**

#### • Students, Postdoctoral and Research Fellows

Five former lab members, below, have an independent academic appointment

Name	Years	Capacity	Background	Comments
Dr. Shai Kaplan	2003-2004	Lab programmer	Computer	Founder and CEO,
			Science	Robiotech
Dr. Itay Furman	2006-2009	Algorithm designer	Physics	
Dr. Orna Dahan	2009-presence	Research Associate	Biology	Tenured (2015)
Dr. Ruth Towers	2010-presence	Lab manager	Biology	
Dvir Dahary	2009-2013	Bioinformatics expert		Founder and CEO,
				Toldot Genetics
Tammy	2014-	Bioinformatics	Computational	
Menasherov		programmer	biology	

Research fellows, senior lab workers and programmers

#### Postdoctoral Fellows

Name	Years	Background	Current
Dr. Orna Dahan	2006-2009	Biology	Currently: Research
			associate in the lab
Dr. Naomi Siew	2006-2007	Chemistry	Currently: Intellectual
			Property Director, Life
			Sciences
			BGN Technologies
Dr. Maria	2007-2009	Physics	Currently: Group Leader,
Rodriguez			IBM Research, Systems
Martinez			Biology, Zurich
Dr. Naaman Kam	2008-2010	Computational	Currently: Post-doc
		Biology, computer	Berkley University
		science	
Dr. Bella	2008-2010	Biology	Currently: Post-doc
Groisman			University of Toronto
Yishay Shoval	2009-2011	Biology	Currently: Researcher,
			Institute of Medical
			Genetics, Western Galilee
Dr. Tamir Tuller	2009-2010	Electrical	Currently: Assistant
		engineering	Professor, Engineering Tel-
			Aviv Univeristy;
			Koshland post-doc

			Fellowship
Dr. Nir Fluman	2012-2014	Biology	Currently: Post-doc
			Karolinska Institute
			EMBO postdoc fellowship
Dr. Martin Mikl	2014-	Biology	Shared with Eran segal

### Ph.D. Students

Name	Years	Background	Honors	Comments
Dr. Ran Kafri	2003-2007	Chemistry	HFSP fellowship,	Currently: Assistant
			Feinberg Graduate	Professor, University
			School, PhD Prize of	of Toronto.
			Excellent	
Dr. Shai Shen-	2003-2004	Information		Currently: Assistant
Orr	Guest student in	Systems		Professor, Technion
	the lab, from			
	Harvard			
Dr. Michal	2003-2007	Chemistry	Horowitz Foundation	
Lapidot			Center for Complexity	
			Sciences Award	
Orna Man	2004-2007	Computer science,	Weizmann Institute of	
		biology	Science —	
			National Postdoctoral	
			Award Program for	
			Advancing Women in	
			Science	
			The David Brenner	
			Memorial Prize of	
			excellence for PhD	
			studies, Feinberg	
			Graduate School,	
			Weizmann Institute of	
D A :	2005 2000	D' 1	Science	
Dr. Amir Mitchell	2005-2009	Biology	The Israeli Society for	Currently: Post-doc UCSF
Whichen			Biochemistry and Molecular Biology	UCSF
			award of excellence	
			for PhD research;	
			The Haim Holtzman	
			Memorial Prize for	
			PhD research,	
			Feinberg Graduate	
			School, Weizmann	
			Institute of Science;	
			EMBO postdoctoral	
			fellowship; Fulbright	
			postdoctoral	
			fellowship – declined	
Dr. Reut Shalgi	2005-2009	Biology, computer	Horowitz Foundation	Currently: Assistant
5		science	Center for Complexity	Professor, Technion
			Sciences Award; Lee	
			Segal Award of	
			Mathematical Biology	
			Lee Segal Award;	

			Alon Fellowship	
Dr. Ophir	2007-2011	Computer science	Dan David	Currently: post-doc
Shalem			Scholarship; EMBO	Broad Institute
			postdoctoral	
			fellowship; Klarman	
			cell observatory	
			fellowship;	
Dr. Zohar Bloom	2007-2012	Biology		Currently: appointed
				postdoc, Washington
				U.
Dr. Sivan Navon	2008-2013	Physics, Math		Currently: Engineer
		(Talpiot)		at Rafael
Dr. Hila Gingold	2008-2013	Computational		Currently: Senior
		Biology		Interim in the lab
Dr. Avihu Yona	2009-2013	Biophysics	EMBO postdoctoral	Currently: postdoc
			fellowship	MIT
Yonit Hofman	2011-	Biology,		Shared with Moshe
		Computer science		Oren
Idan Frumkin	2012-	Biology	EMBO short term	
			fellowship;	
			Azrieli PhD	
			fellowship; Wolf	
			Foundation	
			Fellowship	
Ernest Mordret	2013-	Biological		Shared with Ariel
		engineering		Lindner, Paris
				Descartes University
Dorit Hizi	2013-	Physics, Math		Shared with Oded
		(Talpiot)		Rechavi, TAU
Amit Alon	2014-	Physics, Computer		Shared with Oded
		science		Rechavi, TAU
Lian Narunski	2014-	Biology		Shared with Ravid
				Strauusman

### M.Sc. students

Name	Years	Background	Comment
Ilana Lavie	2003-2004	Computer science	Shared with Ronen Basri
Reut Shalgi	2004-2005	Computer science,	Shared with Ron Shamir
		biology	
Yael Garten	2004-2005	Computational biology	PhD at Stanford,
			currently at LinkIn
Arren Bar-Even	2005-2006	Biology	Currently: Junior
			Research Group Leader
			position Max-Plank
			Institute
Ilya Venger	2005-2006	Biology	With Asaph Aharoni
Avihu Yona	2007	Biophysics	Transfer to direct PhD
Asaf Carmi	2008-2009	Computer science	
Yanir Manor	2011-2012	Biology	Currently: PhD student
			at WIS
Nitai Steinberg	2011-2012	Biology	Currently: PhD student
			at WIS
Idan Frumkin	2011-2012	Biology	Prize of Distinction,

			Feinberg Graduate
			School
Aviv Rotman	2014-	Computational Biology	
Itamar Francoise	2014-	Biology	
Asaf Blumental	2014	Biology	Shared with Ido Amit
Noa Haefetz	2014-	Biology	

### Patents

Provisionary patent application: "A universal adaptive translation efficiency profile of proteins designed accordingly" In preparation by Yeda Research and Development Co., Ltd.

Provisionary patent application: "Global and local architecture of the mammalian microRNA-transcription factor regulatory network." In preparation by Yeda Research and Development Co., Ltd.

### I. Languages

Hebrew: Reading: 3, Writing: 3, Speaking: 3 English: Reading: 3, Writing: 3, Speaking: 3

Scale: 1 (basic) to 3 (fluent)