

Curriculum Vitae  
**Igor Ulitsky, PhD**  
Department of Immunology and Regenerative Biology  
Weizmann Institute of Science

### A. Personal details

Date of birth: Aug 26, 1980 (St. Petersburg, Russia)

Citizenship: Israeli

Marital Status: Married, 4 children

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ORCID: [0000-0003-0555-6561](https://orcid.org/0000-0003-0555-6561)

### B. Education

9/2009–8/2013     **Postdoctoral Fellow**, Whitehead Institute for Biomedical Research, Cambridge MA  
Advisor: Prof. David Bartel

7/2004–7/2009  
(awarded 5/2010)     **Ph.D. (direct track) in Computer Science**, Tel Aviv University,  
Advisor: Prof. Ron Shamir.  
Thesis: Algorithmic methods for integrating heterogeneous biological data for disease modeling.

2001–2004     **B.Sc. in Computer Science (*Summa Cum Laude*) and Life Sciences (*Summa Cum Laude*)**, Tel Aviv University, combined program with an emphasis on Bioinformatics (double major).

### C. Employment

10/2020–Current     **Associate Professor with tenure**, Department of Immunology and Regenerative Biology (formerly Department of Biological Regulation) and Department of Molecular Neuroscience, Weizmann Institute of Science, Rehovot, Israel

8/2021–7/2022     **Visiting Scientist (sabbatical)**, Max-Planck institute for Molecular Genetics, Berlin, Germany

8/2013–9/2020     **Senior Scientist**, Department of Biological Regulation, Weizmann Institute of Science, Rehovot, Israel

### D. Academic administration

2022–     Head, Abisch-Frenkel Center for RNA Therapeutics

2022–     Head, Lorry I. Lokey Research School of Biochemical Science (vice head of the Biology Board of Studies at the Feinberg Graduate School)

2020–2023     Head, Weizmann Institute Early Childhood Education Center Oversight Committee

2020–2023     Weizmann Institute Scientific Council Services Committee, Member

2019–     Member, Weizmann Institute Genomics Users Committee

2014–2016     Organizer of the departmental student seminars

2015     Organizer of the departmental retreat

2015–2016     Steering Committee, Amos De Shalit summer camps for high school students

**E. Other appointments****Teaching activities****International schools**

4<sup>th</sup> international course on the noncoding genome @Institute Curie, Paris, February 2014

EMBO practical course “Non-coding RNAs: From discovery to function”, Brno, July 2015

12<sup>th</sup> international course on the noncoding genome @Institute Curie, Paris, May 2023

**@Weizmann**

RNA World (w/ Prof. Rotem Sorek and Prof. Eran Hornstein)

2014/15,2015/16,2016/17,2017/18, 2018/19, 2019/20, 2022/23, 2023/24

Systems Biology 101 (w/ other lecturers) 2014/15,2015/16,2017/18

Advanced seminar on Post-transcriptional fate of mRNAs

2013/14,2015/16,2017/18,2019/20, 2022/23

Principles and Practice of Large Scale Data Analysis Using R (w/ Profs. Schraga

Schwarz, Emmanuel Levy, and Yaron Antebi) 2016/17,2017/18, 2018/19,

2019/20, 2020/21, 2022/23, 2023/24

Project course in Data Science (w/ four other PIs) 2018/19, 2020/21, 2023/24

**@MIT**

Advanced undergraduate seminars on Biological networks and Post-transcriptional fate of mRNAs 2010/2011, 2011/2012, 2012/2013

**Teaching assistant @Tel-Aviv University:**

Computational Genomics 2006/2007, 2007/2008, 2008/2009

Analysis of Gene Expression Data, DNA Chips and Gene Networks 2006/2007

**Course instructor @Tel Aviv University:**

Tools in Bioinformatics 2006/2007, 2007/2008, 2008/2009

**F. International recognition****Fellowships and Awards**

2023	Elected member, Israel Young Academy
2021	Meitner Humboldt Research Award
2020	Blavatnik Award for Young Scientists in Israel in Life Sciences
2020-2025	Recipient of an ERC Consolidator Grant
2020	2020 RNA Society Early-Career Award for outstanding accomplishments by RNA scientists within their first 7 years as an independent investigator
2018	James Heineman Research award
2016	EMBO Young Investigator
2015-2020	Recipient of an ERC Starting Grant
2014-2017	Alon fellowship, Israel Council for Higher Education
2010-2011	EMBO long term postdoctoral fellowship
2009	Legacy Heritage Fund stem cells research fellowship
2008	Wolf prize for outstanding PhD students (a nation-wide prize)
2005-2009	Fellow, Edmond J. Safra Program in bioinformatics, Tel Aviv University
2004-2005	President and Rector's M.Sc. fellowship

- 2005 Special excellence award, Knesset education committee and university directors committee (a nation-wide prize)
- 2004 B.Sc. *summa cum laude*

Conference organization:

- Lead organizer of EMBO/EMBL conference “The Noncoding Genome”, Heidelberg EMBL, Germany, October 2023
- Co-organizer, The Universidad Internacional de Andalucía (UNIA) workshop “Elements empowering RNA function”. Baeza, Spain, October 2023.
- Lead organizer, 2023 Israeli meeting on RNA therapeutics, Weizmann Institute, June 2023.
- Member, FISEB 2023 Scientific Organizing Committee, Eilat February 2023, 3500 participants.
- Lead organizer of conference “Noncoding RNAs in Embryonic Development and Cell Differentiation”, Weizmann Institute, January 2023, 120 participants
- Co-organizer of EMBO/EMBL conference “The Noncoding Genome”, Heidelberg EMBL, October 2021 (virtual) and October 2023
- Co-organizer of EMBO workshop “Noncoding RNAs in embryonic development and cell differentiation”, Weizmann Institute, April 2018, 150 participants
- Co-organizer of Keystone Meeting on Long Noncoding RNAs, Keystone CO, February 2018, 400 participants
- Chair of organizing committee, 19<sup>th</sup> Israeli Bioinformatics Symposium, Weizmann Institute, May 2017, 500 participants
- Co-organizer of EMBO workshop “Systems Biology of Noncoding RNAs”, Weizmann Institute, February 2016, 100 participants

Board member: Israeli Society for Computation Biology (ISCB), 2016–2023 (Weizmann Institute representative)

Editorial board: *Cell Reports, Life Science Alliance*

Scientific reviewer for granting agencies: European Research Council (ERC), NSF, Israeli Science Foundation (ISF), US-Israel binational science foundation (BSF), Austrian Science Fund (FWF), French National Research Agency’s (ANR), Israeli Cancer Association, The Wellcome Trust/DBT India Alliance, Cancer Research UK, BBSRC UK, Worldwide Cancer Research, Netherlands Organization for Scientific Research (NOW), Deutsche Forschungsgemeinschaft (DFG), National Science Center Poland, EMBO LTF, Swiss National Science Foundation (SNF)

Conference Program Committee: ISMB 2012, ISMB/ECCB 2013, ISMB 2014, ISMB/ECCB 2015, ISMB 2016, ISMB/ECCB 2017, ISMB 2018

Journal reviewing: *Nature, Science, Cell, Nature Genetics, Nature Methods, Cancer Cell, Cell Stem Cell, Developmental Cell, Nature Cell Biology, Nature Communications, Genome Research, Molecular Cell, Cell Reports, PNAS, Genome Biology, eLife, Nucleic Acids Research, Nature Structural & Molecular Biology, RNA journal, PLoS Computational Biology, PLoS One, Bioinformatics, BMC Genomics, BMC Bioinformatics, BMC Systems Biology, Journal of Metabolic Engineering, IEEE Transactions on Computational Biology and Bioinformatics, Molecular Biology of the Cell, Molecular Biology and Evolution, Biochimie, BBA Gene Regulatory Mechanisms, DNA Research, Gene, Developmental Biology, Science*

*Translational Medicine, Current Biology, Noncoding RNA, Trends in Biochemical Sciences, Trends in Genetics, Life Science Alliance, Bioassays*

Reviewing for Conferences: RECOMB (2005, 2006, 2007, 2008), ISMB (2006, 2007, 2008, 2009), ECCB (2006), PSB (2008), RECOMB Satellite on Systems Biology (2008), ECCB (2018)

Examiner or Opponent of Ph.D. / M.Sc. theses: @Feinberg/Weizmann Graduate school, 2013-current; @Other universities (Hebrew University; Ben Gurion University; Technion; Tel Aviv University; Norwegian University of Life Sciences; University of Cyprus; University of Bern; Karolinska Institut; Institut Curie)

Invited presentations since appointment to Senior Scientist

1. Invited Speaker, 2025 RNA Biology Symposium at the National Cancer Institute, Bethesda, April 2025
2. Invited Speaker, the 5<sup>th</sup> International Conference on the Long and the Short of Non-Coding RNAs, Crete, June 2024
3. Invited Speaker, European Society of Human Genetics Meeting, Berlin, Germany, May 2024
4. Invited Speaker, Hebrew University School of Medicine seminar, March 2024
5. Invited Speaker, Fusion conference Genome Regulation through RNA Conference, Cancun, Mexico, February 2024
6. Seminar, Harvard Initiative for RNA Medicine (virtual), January 2024
7. Seminar, Ben Gurion University School of Medicine, January 2024
8. Invited Speaker/Organizer, The Universidad Internacional de Andalucía (UNIA) workshop "Elements empowering RNA function". Baeza, Spain, October 2023
9. Invited Speaker/Organizer, The Noncoding Genome EMBL Symposium, Heidelberg Germany, October 2023
10. Seminar, Whitehead Institute of Biomedical Research, Boston MA, USA, August 2023
11. Seminar, Cornell University School of Medicine, New York NY, USA, August 2023
12. Invited Speaker, Fudan International Summer School of Life Sciences, Fudan University, August 2023
13. Session chair and speaker, RNA Society meeting, Singapore, May 2023
14. Seminar, Frankfurt University, May 2023,
15. Keynote speaker, 12th international course on the noncoding genome @Institute Curie, Paris, May 2023
16. Seminar, WIS-NKI meeting, Amsterdam, Netherlands, May 2023
17. Seminar, Fred Hutchinson Cancer Center, Seattle WA, USA, March 2023
18. Invited Speaker, RNA in Disease - IX ptRNA meeting, Institute for Molecular Medicine, Lisbon, Portugal, January 2023
19. Keynote speaker, IEEE BIBM LncRNA Workshop (virtual), December 2022
20. Seminar, Bar Ilan University Faculty of Medicine, December 2022
21. Invited Speaker, 2022 ICCB & APOCB Joint Meeting at Taiwan (virtual), November 2022
22. Invited Speaker, IIAS Research School on RNA biology, Jerusalem, October 2022
23. Invited Speaker, Banbury Meeting on the Human Gene Catalog, Cold Spring Harbor, US, October 2022
24. Invited Speaker, SIBBM 2022 Frontiers in Molecular Biology – *The RNA World 3.0*. Rome, Italy, June 2022
25. Invited Speaker, Epigenetics in the Nervous Systems meeting, Berlin, Germany, June 2022
26. Seminar, Netherlands Cancer Institute, Netherlands, May 2023
27. Invited Speaker, CAS/Cell Press Meeting, Shanghai (virtual), April 2022
28. Invited Speaker, International Max Planck Research School on Computation and Biology, Berlin, Germany, April 2022

29. Seminar, Technion, March 2022
30. Seminar, IMP Vienna, Austria, March 2022
31. Seminar, Berlin RNA Club, December 2021
32. Keynote speaker, Denmark RNA Society annual meeting, December 2021
33. Keynote speaker, iGE3 meeting at University of Geneva, November 2021
34. Seminar, Giessen University, November 2021
35. Seminar, Cambridge UK RNA Club, September 2021
36. Seminar, University of Cologne, September 2021
37. Seminar, Serbian Student Society for Molecular Biology, September 2021
38. Seminar, Max Plank Institut for Molecular Genetics, Berlin Germany, September 2021
39. Invited Speaker, MDPI meeting on Noncoding RNA, July 2021
40. Keystone symposia on Noncoding RNAs, Palm Springs, USA, May 2021
41. Speaker, RNA Society Meeting May 2021
42. Alumni speaker, Whitehead Institute for Biological Research, Cambridge MA, February 2021
43. Speaker, Berlin RNA club, February 2021
44. RNA Society Meeting (early career award presentation), Vancouver, Canada, May 2020
45. 9<sup>th</sup> Congress of the Federation of the Israel Societies for Experimental Biology (FISEB/ILANIT), Eilat, Israel, February 2020
46. Seminar, Centre for Genomic Regulation, Barcelona, Spain, June 2020
47. Société Française du Cancer, "Dark genome and cancer" Conference, Paris, France, February 2020
48. Israeli Society for Neuroscience (ISFN) meeting, Eilat, Israel, January 2020
49. Seminar, Chinese Academy of Sciences, Shanghai, China, November 2019
50. 7<sup>th</sup> Canton Nucleic Acids Forum, Guangzhou, China, November 2019
51. EMBL Symposium The Noncoding Genome, Germany, October 2019
52. Seminar, Karolinska Universitat, Stockholm, Sweden, August 2019
53. CSHL 84th Symposium: RNA Control & Regulation, May 2019
54. EMBO workshop Chromatin and Epigenetics, Germany, May 2019
55. Keystone symposia on From Molecular Mechanism to Functional Genetics, Whistler, Canada, February 2019
56. Seminar, FMI, Basel, Switzerland, November 2018
57. RNA Biology Symposium, Singapore, September 2018 (could not attend)
58. Making Connections Systems Biology Symposium, UCL, London, September 2018
59. Seminar at University of Regensburg, July 2018
60. EMBO workshop RNA structure meets function, Stockholm, Sweden, July 2018
61. Seminar at Hebrew University, May 2018
62. Speaker/Organizer, Keystone symposia on Noncoding RNAs: Form, Function, Physiology, Keystone CO, February 2018
63. Seminar, University of Basel Biozentrum, November 2017
64. Invited Seminar, Centre for Cardiovascular Science, University of Edinburgh, October 2017
65. Invited speaker, "2017 RNA biology meeting in memory of Prof. Yossi Sperling", Hebrew University Medical School, September 2017
66. Biochemical Society meeting on "Non-Coding RNA: Recent Insights into the Mechanisms of Action", Edinburgh, UK, June 2017
67. "Microsymposium on Small RNA Biology", Vienna, Austria, May 2017
68. Seminar, Paris Diderot University, France, March 2017
69. Seminar, University of Cyprus, March 2017
70. Seminar, Ecology, Evolution and Behavior, Hebrew University, Israel, March 2017
71. Seminar, Hebrew University Medical School, February 2017
72. Seminar, Goethe-Universität, Frankfurt, Germany, November 2016
73. Computation RNA biology conference, Wellcome Genome Campus, Hinxton, UK, October 2016

74. Seminar, Cancer Research UK, Cambridge, UK, October 2016
75. Villars Symposium on “Non-coding RNAs: from Function to Evolution”, Villars, Switzerland, September 2016
76. Seminar, Hebrew University, March 2016
77. Seminar, Ben Gurion University, March 2016
78. Batsheva de Rothschild Seminar on RNA regulatory circuits in infectious diseases and man, Weizmann Institute, December 2015
79. Seminar, EMBL Grenoble, France, July 2015
80. Seminar, Ben Gurion University, Beer Sheva, Israel, May 2015
81. 17<sup>th</sup> meeting of the Israeli Bioinformatics Society, Tel Aviv University, May 2015
82. Seminar, Centre for Genomic Regulation (CRG), Barcelona, Spain, February 2015
83. Seminar, Institut Pasteur, Paris, France, February 2015
84. 14<sup>th</sup> Tokyo RNA club, Tokyo, Japan, November 2014
85. 14<sup>th</sup> Molecular Biology Society of Japan, Workshop on, Yokohama, Japan, November 2014
86. Seminar, Department of Cell Research & Immunology, Tel Aviv University, Israel, November 2014
87. Seminar at the Sheba Medical Center, Tel HaShomer, Israel, October 2014
88. WIS/Karolinska Institute conference, Stockholm, Sweden, June 2014
89. Seminar, Oslo University Hospital research, Oslo, Norway, May 2014
90. Seminar, Hebrew University Medical School, Jerusalem, Israel, May 2014
91. Seminar, BioClub at Hebrew University, Jerusalem, Israel, March 2014
92. 7<sup>th</sup> Congress of the Federation of the Israel Societies for Experimental Biology (FISEB/ILANIT), February 2014
93. The Helmsley Stem Cells Symposium, Weizmann Institute, December 2013
94. Seminar, Bar Ilan University seminar series October 2013

Other presentations (competitively selected abstracts)

1. Selected Abstract, Discover BMB ASBMB meeting, Seattle WA, USA, March 2023
2. Selected Abstract, RNA Society meeting, Krakow, Poland, May 2019
3. Selected Abstract, EMBL Noncoding Genome Conference, Heidelberg, Germany, September 2017
4. Selected abstract, 2017 RNA Society meeting, Prague, Czech Republic, May 2017
5. Selected abstract, Keystone meeting on Noncoding RNAs, Banff, Canada, February 2017
6. Selected abstract, EMBL/EMBO Symposium The Noncoding Genome. EMBL Heidelberg, October 2015
7. Selected abstract, EMBO/ESF meeting on Long Regulatory RNAs, Poltusk, Poland, September 2014
8. Selected abstract, Keystone meeting on Long Noncoding RNAs, Santa Fe, March 2014
9. Selected abstract, The Noncoding Genome meeting, EMBL, October 2013

**G. Scientific Productivity****National and International Research Grants**

<b>Year</b>	<b>Duration (years)</b>	<b>Agency</b>	<b>Title</b>	<b>Total amount to the lab</b>
2024-2029	5	DIP German-Israeli Project Cooperation	Quantitative and mechanistic dissection of messenger RNA stability	410,000€
2024-2027	3	Minerva Foundation	Deciphering the post-transcriptional cleavage of mRNA 3'UTRs	150,000€
2024-2027	3	EU - Horizon Europe - ERA-Net	Non-coding rna therapeutics to elicit Cardiac Regeneration in ischemic heart disease	140,000€
2020-2021	1	Abisch-Frenkel foundation	Characterization of effective endogenous and synthetic 3' end sequences for human genes	\$60,000
2020-2025	5	European Research Council (ERC) Consolidator Grant	Long noncoding RNAs: Impact on Gene Regulatory Networks	2,000,000€
2019-2022	3	NRF (Singapore)-ISF	Structures and functions of vertebrate long noncoding RNAs	1,020,000 NIS
2019-2024	5	ISF	Identifying sequences driving subcellular localization of long RNAs in mammalian cells	1,650,000 NIS
2018–2021	3	MOST-PRC (France)	Conserved Functions of Rapidly Evolving Long Noncoding RNAs	75,000 NIS
2018–2021	3	ISF-NSFC (China)	Determinants of the post-transcriptional fate of long RNAs in human cells.	900,000 NIS
2019–2021	3	German-Israel foundation for Scientific Research and Development (GIF)	Identifying sequences driving subcellular localization of long RNAs in mammalian cells	88,000€
2018–2021	3	The EU Joint Programme – Neurodegenerative Disease Research (JPND ERA-Net)	Common architecture of local proteome, transcriptome and translome across Motor Neuron disorders	100,000€
2018–2021	3	BIRAX - Britain Israel Research and Academic	Control of endothelial cell commitment and specification by long non-	200,000£

		Exchange Partnership	coding RNA	
2016-2020	4	United States-Israel Binational Science Foundation	Global analysis of expression patterns and roles of long noncoding RNAs during differentiation towards pancreatic and hepatic cell fates	\$90,000
2015-2020	5	European Research Council (ERC) Starting Grant	lincSAFARI – Sequence and Function Relationships in Long Intervening Noncoding RNAs	1,500,000€
2015-2018	3	Minerva foundation	Co-transcriptional and post-transcriptional functions of long noncoding RNA genes in endodermal differentiation	150,000€
2014-2019	5	ISF (research grant)	Computational and experimental methods for identification of functional domains in long noncoding RNAs	1,650,000 NIS
2014-2017	3	Fritz Thyssen Stiftung	An Interdisciplinary Approach for Studying the Functions of Long Noncoding RNAs during Neurogenesis and in Neurological Diseases	120,000€
2013-2018	5	ISF (I-CORE)	Chromatin and RNA I-CORE	1,500,000 NIS

### Students and Postdoctoral Fellows

#### **MSc students (9)**

Aviv Rom (2014–2015) – “linc-Chd2 - a conserved long noncoding RNA regulator of Chd2 activity”. Later – PhD student, Ulitsky lab. Currently – Head of Cell Culture Development @Meatafora.

Alexandra Avrutin (2014–2016) – “The regulatory circuitry and the involvement of lincRNA Pvt1 in breast cancer”. Currently – scientific writer at the Davidson Institute of Science Education.

Gali Housman (2014–2016) – “The regulatory roles of short open reading frames in long non-coding RNAs”. Currently – Product Manager @Singular.

Maya Ron (2016–2018) – “LincRNA Pvt1 and its role in carcinogenesis”. Currently – Research scientist @Stealth mode start-up.

Liliya Melamed (2017–2019) – “The role of *Chaserr* in the regulation of *CHD2*: A potential treatment for epilepsy”. Currently – R&D software engineer @BioView

Micah Goldrich (2018–2020) – “A high-throughput screen for sequences mediating sensitivity to nonsense mediated decay (NMD)”. Currently – PhD student @Ulitsky lab



Noa Nissani (2019–2021) – “Genomic determinants of RNA Pol 2 transcription termination”.  
Currently – Data Science / ML Researcher @Ricult

Ameera Egbaria (2021–2023) – “The effect of different viral proteins on the nuclear export of long RNAs”. Currently – PhD student, Ulitsky lab.

Noa Frydman (2023–) – “High throughput screens for functional elements in lncRNA genes”

### **PhD students (13)**

Hadas Hezroni (2013–2018) “The roles of Long Noncoding RNAs during neuronal differentiation”. Recipient of the Gad Reshef Memorial Prize from the Fienberg Graduate School for excellent PhD students. Currently – Senior Bioinformatics Scientist @Cytoreason

Neta Degani (2014–2020) “The role of HOXA-AS3 and HOXB-AS3 in endodermal development and differentiation”. Currently – Head of Product @Joshu

Noa Gil (2014–2020) “Long non-coding RNAs as regulators of gene expression in cis”. Currently – Postdoctoral Fellow, Dirk Schubeler lab, FMI Basel

Aviv Rom (2015–2020) “Regulation of CHD2 expression by the Chaserr long noncoding RNA gene is essential for viability”. Currently – Head of Cell Culture Development @Meatafora

Binyamin Zuckerman (2016–2021) “Transcript features and cellular factors mediated nuclear RNA export”. Currently – Postdoctoral Fellow, Leor Weinberger lab, UCSF

Maya Ron (2018–2023) “The subcellular localization of linear and circular RNAs”. Currently – Research scientist @Stealth mode start-up.

Alan Monziani (2020–)

Yael Sarusi (2020–)

Micah Goldrich (2020–)

Rotem Nevo (2021–)

Noa Balaban (2022–)

Ameera Egbaria (2022–)

Ahuva Odenheimer (2023–)

### **Postdoctoral fellows (6)**

Ailone Tichon (2014–2017). Currently – Postdoctoral fellow at Storici lab @ Georgia Tech, GA

Filipa Carvalhal Marques (2017–2022). Currently – Associate Consultant for Health and Life Sciences @FFUND, Amsterdam, Netherlands

Svetlana Farberov (2018–2023). Currently – Research scientist, Ulitsky lab

Caroline Ross (2019–2024). Currently – Lecturer @University of Cape Town, South Africa

Juan Pablo Unfried (2021–)

Mathias Nielsen (2022–)

### **Senior interns/Visiting scientists/Staff scientists**

Yoav Lubelsky (Senior intern, 2013–2018, Project Scientist 2018–)

Rotem Ben-Tov Perry (Senior intern 2015–2017, Assistant Staff Scientist 2017–)

Miriam Rosenberg (Marie Curie fellow, 2015–2018).

### **Visiting students**

Nate Swetlitz (6–8/2014) – Visiting undergraduate student from Yale University

Katharina Holzer (10–12/2014) – Visiting student from Tübingen Master of Biochemistry program

Florian Deckert (8–10/2016) – Visiting student from master student at Ludwig-Maximilian-University Munich Master of Biology program.

Aleksandra Kornienko (4/2018) – Visiting postdoctoral fellow from GMI, Vienna.

Royi Brezner (6-8/2019) – Visiting Undergraduate student from University of Western Ontario

Melanie Royer (10-12/2019) – Visiting student from Regensburg University, Germany.

Todor Cvetanovic (7-8/2022) – Visiting student from University of Belgrade, Serbia.

Katarina Ninkovic (7-8/2023) – Visiting student from University of Belgrade, Serbia.

#### National and International Collaborators

Alena Shkumatava, Institut Curie, Paris – Conservation of lncRNA roles in zebrafish.

Marina Chekulaeva, MDC, Berlin – RNA localization in neurites.

Andrew Baker, University of Edinburgh – lncRNAs in differentiation of endothelial stem cells.

Amos Tanay, Weizmann Institute – Methods for mapping spatial contacts between enhancers and promoters.

Yosef Yarden, Weizmann Institute – lncRNAs in cancer

Louise Laurent, UCSD – lncRNA roles during differentiation of pluripotent cells towards pancreatic and hepatic fates.

Karen Avraham, Tel Aviv University – lncRNAs in the physiology of the inner ear.

Lingling Chen, CAS Shanghai – lncRNA localization and nuclear export.

Yue Wan, A-STAR Singapore – High throughput methods for determination of RNA structure.

Jacob Hanna, Weizmann Institute – Gene regulatory networks in embryonic stem cells.

Rivka Dikstein, Weizmann Institute – Transcriptional regulation, and single-nucleotide resolution mapping of transcription start sites.

Yardena Samuels, Weizmann Institute – Gene expression signatures in cancers.

Ayelet Erez, Weizmann Institute – Gene expression landscape in cancer

Shalev Itzkovitz, Weizmann Institute – lncRNA localization

#### H. Patents

COMPOSITIONS FOR USE IN THE TREATMENT OF CHD2 HAPLOINSUFFICIENCY AND METHODS OF IDENTIFYING SAME

International application number PCT/IL2021/051503

#### Industry Experience

2022–2023	Consulting services to <i>Dexcel Pharmaceuticals</i>
2021–	Scientific Advisory Board, <i>Pyxies Diagnostics</i>
2019–2021	Consulting services to <i>Flagship Ventures Labs</i> , Cambridge MA, USA
2012–	Consulting services to <i>Kailos Genetics</i> , Huntsville AL, USA
2009,2011	Consulting services to <i>NextBio</i> , Cupertino CA, USA
2004–2005	Computational biologist in <i>Biolog Technologies</i> , Netanya, Israel

#### I. Languages

Hebrew: Reading (3), Writing (3), Speaking (3)

English: Reading (3), Writing (3), Speaking (3)

Russian: Reading (2), Writing (1), Speaking (3)

German: Reading (1), Writing (1), Speaking (1)