

Ilia Stambler, PhD. Short Biography

Ilia Stambler, PhD, is Chief Science Officer of “Vetek” (Seniority) Association – The Senior Citizens Movement (Israel). He received his PhD at the Department of Science, Technology and Society, Bar Ilan University, Israel. His research has focused on the historical and social implications of aging and life extension research. He is also involved in mathematical modeling of aging and aging-related diseases (https://ec.europa.eu/eip/ageing/commitments-tracker/a3/quantified-longevity-guide-qlg_en). He is the author of *A History of Life-extensionism in the Twentieth Century* and *Longevity Promotion: Multidisciplinary Perspectives* (www.longevityhistory.com). He is actively involved in advocacy for aging and longevity research (www.longevityforall.org), and is chair of the Israeli Longevity Alliance (<http://www.longevityisrael.org/>) and executive committee member of the International Society on Aging and Disease (<http://www.isoand.org/>). His papers have appeared in *Progress in Neurobiology, Aging and Disease, Cancer Detection and Prevention, Rejuvenation Research, Current Aging Science, Global Aging, Mechanisms of Ageing and Development, Frontiers in Genetics, Geroscience*, and other journals.

CURRICULUM VITAE

Personal details:



Surname: **Stambler**
 First name: **Ilia**
 Date of birth: February 20, 1972
 Place of birth: Belz. Moldova
 Aliyah: December 30, 1990
 Marital status: Single
 Home address: Harashba St. 12/21, Rishon Lezion, Israel
 Tel: +972-3-961-42-96
 Cellular phone: +972-52-2283-578
 Skype: iliastam
 E-mail: ilia.stambler@gmail.com

Languages: English, Hebrew, Russian – full proficiency
Yiddish, French, German – reading proficiency

Education:

2005–2012 **PhD**, Department of Science, Technology and Society
Faculty of Interdisciplinary Studies. Bar-Ilan University. Israel
Thesis title: A History of Life-Extensionism in the Twentieth Century

1998–2002 **MA** in English Literature (with a thesis), English Department,
Bar-Ilan University, Israel
Thesis title: Heroism and Heroic Death in Nineteenth Century
Literature

1994–1998 **BA** in English Literature (***Cum Laude***), English Department,
Bar-Ilan University, Israel

1993–1994 Courses in Biology and Computing, The Open University, Jerusalem,
Israel

1991–1993 Studies of Biology, Biology Department, The Technion, Israel Institute
of Technology, Haifa, Israel

1989–1990 Studies of Bio-Medical Engineering, The Department of Bio-Medical
Devices, The Institute for Instruments Development and
Manufacturing, Moscow

1979–1989 High School No. 22, Balashikha, Moscow District (***Cum Laude***)

Employment:

2016-present Chief Science Officer. “Vetek” (Seniority) Association – The Senior
Citizens Movement (Israel)

2013-2016 Postdoctoral researcher. Department of Science, Technology and
Society, Bar-Ilan University, Israel

2002–2012 Scientific writer. The Biophysical Interdisciplinary Jerome
Schottenstein Center for the Research and Technology of the Cellome,
Bar-Ilan University, Israel

2002 Translating of patents in biotechnology (Russian-English). Information
Concepts Inc., Tel-Aviv, Israel

1999–2001 Translating of new immigrants’ Research and Development projects
(Russian-Hebrew-English), The Western Negev Initiative Center
(Technological Incubator), Israel

1999–2002 Instructor in the Reading & Writing Laboratory. The Department of English as a Foreign Language, Bar-Ilan University, Israel

Awards: Bar-Ilan University Excellence Award – 2009

Public activity and membership in international associations

2014-present **Outreach Coordinator and Executive Committee Member.** International Society on Aging and Disease (ISOAD) <http://isoad.org/>

2013-present **Chair.** Israeli Longevity Alliance <http://www.longevityisrael.org/>

2016-present **Coordinator.** “Quantified Longevity Guide” – Commitment at the Action Group: A3 Prevention of Functional Decline and Frailty of the European Innovation Partnership on Active and Healthy Ageing (EIP-AHA) https://ec.europa.eu/eip/ageing/commitments-tracker/a3/quantified-longevity-guide-qlg_en

2005–present **Coordinator.** Israeli Chapter of Humanity Plus (formerly World Transhumanist Association) <http://humanityplus.org/get-involved-2/chapters-of-humanity/> Blog <http://www.singulariut.com/>

2010–present **Affiliate Scholar.** The Institute for Ethics and Emerging Technologies, Trinity College, Hartford, CT <http://ieet.org/index.php/IEET/bio/stambler/>

2012–present **Member of the Biotech/Medical Board and Life Extension Board.** The Lifeboat Foundation <http://lifeboat.com/ex/bios.ilia.stambler>

2012–present **Regional Coordinator.** International Longevity Alliance <http://www.longevityalliance.org/>; <http://www.longevityforall.org/groups/>

2014-present **Coordinator.** Longevity for All <http://www.longevityforall.org/>

2014-present **Regional coordinator.** Longevity <http://www.longevity.org/forum/forum/321-regional-forums/>

2012- present. **Co-author and promoter** of the “Law Proposal for the Establishment of the National Advisory Committee for the Promotion of Longevity and Quality of Life for the Elderly Population” in Israel: <http://www.longevityisrael.org/longevity-bill/>

2013-present **Organizer** of international educational campaigns on aging research -
- "International Longevity Day - October 1" (2013, 2014, 2015, 2016, 2017);
- "Metchnikoff Day - May 15" (2015, 2016, 2017)
<http://ieet.org/index.php/IEET/more/stambler20131029;>
<http://ieet.org/index.php/IEET/more/stambler20150831;>
<http://ieet.org/index.php/IEET/more/stambler20150507;>
<http://www.longevityforall.org/longevity-day-and-longevity-month-october-2016/>

Editorial board member: Frontiers in Bioscience, PSM Publishers

Editor. Special issue *Frontiers in Bioscience* “Molecular pathways of aging and longevity” (2017) https://www.bioscience.org/special-issue-details?editor_id=1746

LIST OF SCIENTIFIC PUBLICATIONS (reprints are available upon request)

(a) Books:

1. **Stambler I.** *A History of Life-Extensionism in the Twentieth Century*, Longevity History, 2011, 2014 <http://www.longevityhistory.com/>
2. **Stambler I.** *Longevity Promotion: Multidisciplinary Perspectives*, Longevity History, 2017 <http://www.longevityhistory.com/>

(b) Book Chapters:

1. **Stambler I.** Heroic Power in Thomas Carlyle and Leo Tolstoy. In: *Political Leadership, SAGE Library of Political Science*, 2011, edited by David S. Bell.
2. **Stambler I.** Longevity and the Indian Tradition; Longevity and the Jewish Tradition; Longevity in the Ancient Middle East and the Islamic Tradition. In: *Longevitize!: Essays on the Science, Philosophy & Politics of Longevity*, Center for Transhumanity, 2013, edited by Franco Cortese.
3. **Stambler I.** Human life extension: opportunities, challenges, and implications for public health policy. In: *Anti-aging Drugs: From Basic Research to Clinical Practice*, Royal Society of Chemistry, 2017, edited by Alexander Vaiserman.
4. **Stambler I.** What do we need to know to treat degenerative aging as a medical condition to extend healthy lifespan? In: *Transhumanism: In the Image of Humans*. Springer Science, forthcoming 2018, edited by Newton Lee.
5. **Stambler I.** Section editor. Science, Technology and Society – Biomedical; History of Gerontology. In: *The Encyclopedia of Gerontology and Population Aging*, Springer, forthcoming 2020, edited by Matthew Dupre and Danan Gu.
6. **Stambler I.** History of Life-extensionism; Ethics of anti-ageing intervention. In: *Encyclopedia of Biomedical Gerontology*, Elsevier, forthcoming 2020, edited by Suresh Rattan.

(c) Refereed articles in scientific journals:

1. Guejes L, Zurgil N, **Stambler I**, Gilburd B, Shoenfeld Y, Deutsch M. The influence of different cultivating conditions on polymorphonuclear leukocyte apoptotic process in vitro, II: Ultrastructural characteristics of PMN populations incubated with proteinase 3 anti-neutrophil autoantibodies. *Ultrastructural Pathology*, 29, 37-51, 2005.

2. Blokh D, Afrimzon E, **Stambler I**, Korech E, Shafran Y, Zurgil N, Deutsch M. Breast cancer detection by Michaelis-Menten constants via linear programming. *Computer Methods and Programs in Biomedicine*, 85, 210-213, 2006.
3. **Stambler I**. Heroic Power in Thomas Carlyle and Leo Tolstoy. *The European Legacy*, 11, 737-751, 2006.
4. Blokh D, **Stambler I**, Afrimzon E, Shafran Y, Korech E, Sandbank J, Orda R, Zurgil N, Deutsch M. The information-theory analysis of Michaelis–Menten constants for detection of breast cancer. *Cancer Detection and Prevention*, 31, 489–498, 2007.
5. Blokh D, Zurgil N, **Stambler I**, Afrimzon E, Shafran Y, Korech E, Sandbank J, Deutsch M. An information-theoretical model for breast cancer detection. *Methods of Information in Medicine*, 47, 322-327, 2008.
6. Blokh D, **Stambler I**, Afrimzon E, Platkov M, Shafran Y, Korech E, Sandbank J, Zurgil N, Deutsch M. Comparative analysis of cell parameter groups for breast cancer detection. *Computer Methods and Programs in Biomedicine*, 94, 239-249, 2009.
7. **Stambler I**. Life extension – a conservative enterprise? Some fin-de-siècle and early twentieth-century precursors of transhumanism. *Journal of Evolution and Technology*, 21, 13-26, 2010.
8. **Stambler I**. On the history of life-extension research: Does the whole have parts? *Rejuvenation Research*, 16, S41, 2013.
9. Blokh D and **Stambler I**. Estimation of Heterogeneity in Diagnostic Parameters of Age-related Diseases. *Aging and Disease*, 5, 218-225, 2014.
10. **Stambler I**. The unexpected outcomes of anti-aging, rejuvenation and life extension studies: an origin of modern therapies. *Rejuvenation Research*, 17, 297-305, 2014.
11. **Stambler I**. The pursuit of longevity – The bringer of peace to the Middle East. *Current Aging Science*, 6, 25-31, 2014.
12. **Stambler I** and Khaltourina D. Biology of Aging and Non-Communicable Diseases as a Global Priority. *Global Aging* 9 (2), 11-14, 2014.
13. Jin K, Simpkins JW, Ji X, Leis M and **Stambler I**. The critical need to promote research of aging and aging-related diseases to improve health and longevity of the elderly population. *Aging and Disease*, 6 (1), 1-5, 2015.
14. **Stambler I**. Stop Aging Disease! ICAD 2014. *Aging and Disease*, 6 (2), 76-94, 2015.
15. Blokh D and **Stambler I**. Information theoretical analysis of aging as a risk factor for heart disease. *Aging and Disease*, 6 (3), 196-207, 2015.
16. Blokh D and **Stambler I**. Applying information theory analysis for the solution of biomedical data processing problems. *American Journal of Bioinformatics*, 3 (1), 17-29, 2015.

17. **Stambler I.** Elie Metchnikoff – the founder of longevity science and a founder of modern medicine: In honor of the 170th anniversary. *Advances in Gerontology*, 28 (2), 207-217, 2015.
18. **Stambler I.** Has aging ever been considered healthy? *Frontiers in Genetics. Genetics of Aging*, 6, 00202, 2015.
19. Blokh D and **Stambler I.** The application of information theory for the research of aging and aging-related diseases. *Progress in Neurobiology*, 157, 158-173, 2017.
20. Blokh D and **Stambler I.** The use of information theory for the evaluation of biomarkers of aging and physiological age. *Mechanisms of Ageing and Development*, 163, 23-29, 2017.
21. Rogatsky GG and **Stambler I.** Hyperbaric oxygenation for resuscitation and therapy of elderly patients with cerebral and cardio-respiratory dysfunction. *Frontiers in Bioscience, Scholar Edition*, 9, 230-243, 2017.
22. **Stambler I.** Recognizing degenerative aging as a treatable medical condition: methodology and policy. *Aging and Disease*, 8(5), 583-589, 2017.
23. Blokh D, **Stambler I**, Lubart E, Mizrahi EH. The application of information theory for the estimation of old-age multimorbidity. *Geroscience*, 39(5-6), 551-556, 2017.
24. **Stambler I**, Jin K, Lederman S, Barzilai N, Olshansky SJ, Omokaro E, Barratt J, Anisimov VN, Rattan S, Yang S, Forster M, Byles J. Aging health and R&D for healthy longevity must be included into the WHO Work Program. *Aging and Disease*, 9(1), 1-3, 2018.

(d) Book Reviews:

1. **Stambler I.** Ingenium. Five Machines that Changed the World by Mark Denny. Review. *The European Legacy*, 13, 260-261, 2008.
2. **Stambler I.** Beyond the Hoax by Alan Sokal. Review. *The European Legacy*, 13, 793-794, 2008.

(e) Presentation of papers at scientific meetings:

1. **Stambler I.** Elie Metchnikoff and the Rise of the Life-extensionist Movement. *The 8th Yearly Conference of the Israel Society for the History and Philosophy of Science*, Jerusalem, March 16, 2008 (**Invited Speaker. Organizer of the panel:** “To postpone the inevitable: Historical, Sociological and Research Aspects of Anti-aging”).
2. **Stambler I.** Society for life extension? Some ideological justifications for the pursuit of longevity. *The Future of Humanity: Post-Humanism and Trans-Humanism*. The Van Leer Institute in Jerusalem, October 24, 2011 (**Invited speaker. Member of the conference organizing committee**).
3. **Stambler I.** A history of life-extensionism in the 20th century. Between reductionism and holism: from subtraction and addition toward balance. *The 12th Yearly*

Conference of the Israel Society for the History and Philosophy of Science, Jerusalem, March 11, 2012 (**Oral**).

4. **Stambler I.** Political positioning of healthy life extension. *Eurosymposium on Healthy Ageing. A new age of long term health and longevity*. Brussels, December 12-14, 2012 (**Invited speaker**).
5. **Stambler I.** The unexpected outcomes of lifespan extension studies: an origin of modern therapies. *The 8th European Congress of Biogerontology*, Beer Sheva, March 10-13, 2013 (**Invited speaker. Member of the congress organizing committee**).
6. **Stambler I.** On the history of life-extension research: Does the whole have parts? *Sixth SENS Conference (SENS6). Reimagine Aging*. Queens' College – Cambridge UK, September 3-7, 2013 (**Oral. Panel Chair**).
7. **Stambler I.** Blokh D. Application of information theory to assess biomarkers of aging. *From Biology of Aging to Longevity and Quality of Life. Conference toward the renewal of the activities of the Israeli Society for the Biology of Aging*, Tel Aviv, October 1, 2013 (**Oral. Chair of the conference organizing committee**).
8. **Stambler I.** The Pursuit of Longevity – The Bringer of Peace to the Middle East. *International Istanbul Initiative on Ageing*, Istanbul, October 4-6, 2013 (**Oral**).
9. **Stambler I.** The need for public support for aging and longevity research. *Pathways to Healthy Longevity. Israel Science Day*, Bar Ilan University, Ramat Gan, Israel, March 26, 2014 (**Invited Speaker. Member of the Conference Organizing Committee**).
10. **Stambler I.** Biology of Aging as a Basis for Future Treatment of Non-communicable Diseases and Health Care for the Aged. *IFA 12th Global Conference on Ageing*, Hyderabad, India, June 10-13, 2014 (**Invited Speaker. Organizer of the Symposium: "The Aging Process as the Main Underlying Cause of Non-Communicable Diseases: Science and Policy"**).
11. **Stambler I.** The use of information theory for the study of aging, aging related diseases and healthy longevity. *2014 International Conference on Aging and Disease (2014 ICAD)*, Beijing, China, November 1-2, 2014 (**Invited Speaker. Panel Chair**).
12. **Stambler I.** The relation of Longevity Research and General Medicine - an Historical Overview. The ELPI Third Symposium on Pathways to Indefinite Lifespans and Metchnikoff Day. Larnaca, Cyprus. May 22-23, 2015 (**Invited Speaker**).
13. **Stambler I.** Recognizing degenerative aging as a treatable medical condition: methodology and policy. *Biomedical Innovation for Healthy Longevity -- International Conference*. St. Petersburg, Russia. April, 25-28, 2016 (**Invited speaker. Panel Chair**).

14. **Stambler I.** 3rd International Practical Applications for Aging Research Forum at the Basel Life Science Week. Basel, Switzerland, September 21-22, 2016 (**Invited speaker. Co-chair of the Panel Discussion:** Current Issues in Aging & Longevity).
15. **Stambler I.** The critical need to promote research of aging. *2016 International Conference on Aging and Disease (2016 ICAD)*, Stanford, California, US, October 1-2, 2016 (**Invited Speaker. Panel Chair. Organizer of the panel:** “Public support for aging research”).
16. **Stambler I.** The Quantified Longevity Guide – QLG. *MIXiii Biomed 2017 – Israel 16th National Life Sciences & Technology Week*, Tel Aviv, Israel, May 23-25, 2017 (**Invited Speaker.** Panel: Longevity – Genetics and Epigenetics).
17. **Stambler I.** Addressing degenerative aging as a medical condition – a national priority. *3rd International Conference on Personalized Medicine and Global Health.* Astana, Kazakhstan, September 15, 2017 (**Invited Keynote Speaker**).
18. **Stambler I.** Diagnosis of aging = Early detection of aging-related diseases. *Pathways to Healthy Longevity 2017*, Bar Ilan University, Ramat Gan, Israel, October 15, 2017 (**Invited Speaker. Member of the Conference Organizing Committee. Panel Chair. Organizer of the panel:** Measures of Healthy Longevity).
19. **Stambler I,** Blokh D, Mizrahi EH. New methods for the diagnosis of old-age multimorbidity. *2018 International Conference on Aging and Disease (2018 ICAD)*, Nice, France, October 5-7, 2018 (**Invited Speaker**).

Additional information:

Dissertation and book reviews for “A History of Life-extensionism”

Zealley B, de Grey A.D.N.J. Commentary on Some Recent Theses Relevant to Combating Aging: December 2012. *Rejuvenation Research* 15(6), 629-630, 2012.

Pellissier H. Five Star Reviews for Ilia Stambler’s “History of Life Extension in the 20th Century”. *Brighter Brains*, October 03, 2014.

The book was featured in Huffington Post, Blasting News, KurzweilAI.net, Institute for Ethics and Emerging Technologies (IEET), H+ Magazine, Fight Aging, etc.

Book reviews for “Longevity Promotion: Multidisciplinary Perspectives”

Featured in Fight Aging, Serious Wonder, Institute for Ethics and Emerging Technologies (IEET), H+ Magazine, LEAF, KurzweilAI.net, etc.