

# LISA DEUTSCH

## PERSONAL INFORMATION

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- Nationality: Israeli, American.
- Date of Birth: 5-8-68.
- Place of Birth: U.S.A.

## EDUCATION

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| 2005   | Bar-Ilan University | Ramat-Gan Israel |
| <i>PhD. Biostatistics (Time Dependant ROC Curves with application to AIDS Progression and Prognosis) - supervisor Professor. Laurence Freedman</i> |                     |                  |
| 1995   | Bar-Ilan University | Ramat-Gan Israel |
| <i>M.Sc. Statistics (graduated Magna Cum Laude) – supervisor Dr. Linda Har-Nevo</i>  |                     |                  |
| 1991   | Bar-Ilan University | Ramat-Gan Israel |
| <i>B.Sc. Statistics (Major) and Mathematics (Minor)</i>  |                     |                  |

## PROFESSIONAL EXPERIENCE

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2000-Present

*CEO – Biostats Statistical Consulting Ltd*

- Area of expertise: Research in the fields of Medicine and Biology. Compliance with FDA and European regulation requirements. Broad knowledge of guidance documents for approval of medical devices and drugs (ICH, ISO, CLSI, and FDA guidelines). Extensive experience with FDA and CE for approval of medical devices and drugs, (510k, PMA, NDA).

Specifically:

- Trial design (V&V, Bench Tests, Clinical Trials)
- Sample size calculation
- Interim Analysis Plan
- Randomization
- DSMB Statistician
- Representation at Regulatory Agency Meetings
- Analysis of data from clinical trials.
- Algorithm development
- Extensive knowledge of advanced statistical methods
- Statistical Methods Section of Protocol writing
- Data management
- EDC development

2000-2007 Hebrew University Ein-Kerem Israel  
*Statistics team leader of research project funded by the NIH, associated with the School of Public Health.*

2000-2001 Bar-Ilan University Ramat-Gan Israel  
*Lecturer in the Mathematics department.*

- Courses: Biostatistics, Probability and Statistics, and S.A.S programming.

1993 – 1998 Bar-Ilan University Ramat-Gan Israel  
*Teaching assistant in the Mathematics department.*

- Courses: S.A.S programming, Queuing theory, Operations research, and Probability and Statistics.

#### LANGUAGES

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English, Hebrew and French, basic Hungarian.

#### COMPUTER LITERACY

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- Programming Knowledge: SAS and SPSS.
- Database management in ACCESS.
- Software: Word, Excel, Access
- Operating systems: DOS, Windows and Unix.

#### REFERENCES

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- Upon request.
- See [websites](#) for Recommendations

#### PUBLICATIONS AS CO-AUTHOR

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- Ansel A, Posen Y, Ellis R, Deutsch L, Zisman PD, Gesundheit B. **Biomarkers for Autism Spectrum Disorders (ASD): A Meta-analysis.** Rambam Maimonides Med J. 2019 Oct 29;10(4):e0021. doi: 10.5041/RMMJ.10375. PMID: 31675302; PMCID: PMC6824829.
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- Weiniger CF, Akdagli S, Turvall E, Deutsch L, Carvalho B. **Prospective Observational Investigation of Capnography and Pulse Oximetry Monitoring After Cesarean Delivery with Intrathecal Morphine.** Anesth Analg. 2019 Mar;128(3):513-522. doi: 10.1213/ANE.0000000000003503. PMID: 29958217.
- Nulsen B, Ungaro RC, Davis N, Turvall E, Deutsch L, Lewis B. **Changes in**

**Adenoma Detection Rate With Implementation of Full-spectrum Endoscopy: A Report of 3998 Screening Colonoscopies.** J Clin Gastroenterol. 2018Nov/Dec;52(10):885-890. doi: 10.1097/MCG.0000000000000874. PMID: 28787359.

- Atsmon J, Heffetz D, Deutsch L, Deutsch F, Sacks H **Single-dose Pharmacokinetics of Oral Cannabidiol Following Administration of PTL101: A New Formulation Based on Gelatin Matrix Pellets Technology.** Clin Pharmacol Drug Dev. 2018 Sep;7(7):751-758. doi: 10.1002/cpdd.408. Epub 2017 Nov 10.
- Bar-Shalita T, Livshitz A, Levin-Meltz Y, Rand D, Deutsch L, Vatine JJ. **Sensory modulation dysfunction is associated with Complex Regional Pain Syndrome.** PLoS One. 2018 Aug 9;13(8):e0201354. doi: 10.1371/journal.pone.0201354. eCollection 2018.
- Weiniger CF<sup>1,2</sup>, Akdagli S<sup>3</sup>, Turvall E<sup>4</sup>, Deutsch L<sup>4</sup>, Carvalho B<sup>5</sup>. **Prospective Observational Investigation of Capnography and Pulse Oximetry Monitoring After Cesarean Delivery With Intrathecal Morphine.** Anesth Analg. 2018 Jun 28. doi: 10.1213/ANE.0000000000003503. [Epub ahead of print]
- Atsmon J<sup>1</sup>, Cherniakov I<sup>2</sup>, Izgelov D<sup>2</sup>, Hoffman A<sup>2</sup>, Domb A<sup>2</sup>, Deutsch L<sup>3</sup>, Deutsch F<sup>3</sup>, Heffetz D<sup>4</sup>, Sacks H<sup>4</sup>. **PTL401, a New Formulation Based on Pro-Nano Dispersion Technology, Improves Oral Cannabinoids Bioavailability in Healthy Volunteers.** J Pharm Sci. 2018 May;107(5):1423-1429. doi: 10.1016/j.xphs.2017.12.020. Epub 2017 Dec 26.
- Nulsen B, Ungaro RC, Davis N, Turvall E, Deutsch L, Lewis B. **Changes in Adenoma Detection Rate With Implementation of Full-spectrum Endoscopy: A Report of 3998 Screening Colonoscopies.** J Clin Gastroenterol. 2017 Aug 4.
- Ben-Pazi H, Cohen A, Kroyzer N, Lotem-Ophir R, Shvili Y, Winter G, Deutsch L, Pollak Y. **Clown-care reduces pain in children with cerebral palsy undergoing recurrent botulinum toxin injections- A quasi-randomized controlled crossover study.** PLoS One. 2017 Apr 17;12(4):e0175028.
- Adini Y, Bonne YS, Komm S, Deutsch L, Israeli D. **The time course and characteristics of procedural learning in schizophrenia patients and healthy individuals.** Front Hum Neurosci. 2015 Sep 1;9:475.
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*prospective multicenter randomized controlled trial.* World Psychiatry. 2015 Feb;14(1):64-73

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**2D strain: a multicenter study by the Israeli Echocardiography Research Group.** Circ Cardiovasc Imaging. 2010 Jan;3(1):47-53. Epub 2009 Nov 19.

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*in the Jerusalem perinatal study cohort.* Cancer, Epidemiology, Biomarkers and Prevention 2004, 13(6):1057-64.

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