

CURRICULUM VITAE
Liat Morgan, DVM, PhD
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PERSONAL DETAILS

Name: Liat Morgan

Date of Birth: September 8th, 1987

Nationality: Israeli

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ACADEMIC EDUCATION

- 2020- Present **Post-doctoral fellowship-** metabolomics research for advancing both human and animal well-being. Identifying novel metabolic signatures of stress and resilience, and their related altered pathways, by (un)targeted metabolomics approach. Supervised by Prof. Ehud Gazit, Metabolite Medicine Division, BLAVATNIK Center for Drug Discovery. Tel Aviv University, Israel.
- 2017- Present **Research project leader-** Dog Population Management in Israel, in collaboration with the Israeli Veterinary Services. Based on the study results, the Ministry of Agriculture invests additional 1.2 million US\$ in new initiatives in order to encourage responsible dog ownership, to improve animal welfare and to increase adoption rates, since 2017.
- 2012 – 2020 **Combined DVM-Ph.D. Program**
Koret School of Veterinary Medicine, The Hebrew University of Jerusalem
Thesis theme: Improving fertility and production in swine farms by management actions towards better animal welfare. Results led to the development of legislation for pig welfare in Israel.
- 2009-2012 **B.Sc. in Animal Sciences**
The Faculty of Agriculture, Food and Environmental Sciences. The Hebrew University of Jerusalem. Graduated with honors.

SELECTED HONORS AND AWARDS

2020 Tel Aviv University offers Postdoctoral scholarships

- 2020 Tel Aviv University rector's postdoctoral matching scholarship recipient.
- 2020 The Ministry of Science and Technology Scholarship for presentation at an international conference, 2020.
- 2019 "Best Presentation Award", *The 41th Animal Welfare Symposium*, Israel 2019.
- 2019 Davidson Prize for "Excellent veterinary student in farm animals and epidemiology".
- 2019 Scholarship for the 3rd International Humane DPM conference.
- 2019 UFAW Travelling Award for participating in scientific conferences.

- 2018 “Best Presentation Award”, Pig Study Commission, *EAAP*, Croatia , 2018.
- 2018 Winner of ACC&D's 6th International Symposium on Non-Surgical Contraceptive Methods of Pet Population Control Student Contest.
- 2018 EAAP scholarship to present at the 69th Annual Meeting, *Croatia*, 2018
- 2017 Best poster award (2nd place); *The 7th WAFL Conference*, Netherlands 2017.
- 2017 UFAW small project grant.

PROFESSIONAL AND VOLUNTEERING EXPERIENCE

- 2020- Present **Head of the Dog Population Management Working Group** under the Advising Committee to the Minister of Agriculture Regarding Animal Welfare
- 2019- Present **Teaching at the Koret School of Veterinary Medicine, Israel**
Teaching about farm animal welfare, pig welfare, and dog population management and welfare, for 1st and 3rd year veterinary students, advanced studying for licensed veterinarians and governmental inspectors.
- 2017- Present **Co-author of the governmental initiatives to improve dog welfare in Israel**
The writing, approval and assessment of the governmental initiatives which aim to improve dog welfare, dog population management, and developing responsible dog ownership. Annual budget of 1,200,000 \$US since 2017.
- 2016-Present **Member of the Israeli symposium committee**
Co-organizer of the National Veterinary Symposium about animal welfare.
- 2015-Present **Animal welfare consulter**
Consults the Knesset committee (the Israeli parliament) for cruelty towards animals, and the Israeli Veterinary Services, regarding pig welfare and dog population management.
- 2012 – Present **Founder and general manager – Yad 4**
The Israeli dog adoption database. Yad4.co.il is a unique initiative aiming to rescue the lives of thousands of abandoned dogs in Israel by increasing adoption rates. A collaboration between all animal welfare organizations and municipal shelters.

PUBLICATIONS

Morgan L, Meyer J. S, Novak S, Younis A, Abu Ahmad W, Raz T. Shortening sow restraint period during lactation improves production and decreases hair cortisol in sows and their piglets. *Animal Journal*, 2021.

Morgan, L, Protopopova A, Birkler R.I.D, Itin-Shwartz B., Sutton G.A, Gamliel A., Yakobson B, Raz T. Human–dog relationships during the COVID-19 pandemic: booming dog adoption during social isolation. *Humanities and Social Sciences Communications*, 2020

Morgan L, Itin-Shwartz B, Koren L, Meyer J. S, Matas D, Younis A, Novak S, Weizmann N, Rapaic O, AbuAhmad W, Klement E, Raz T. Economic and physiological benefits of abandoning invasive surgical procedures and enhancing animal welfare in pig production. *Scientific Reports*, 2019.

Morgan, L, Raz, T. Providing meaningful environmental enrichment and measuring saliva cortisol in pigs housed on slatted flooring. *Journal of JoVE*, 2019.

Morgan L, Klement E, Novak S, Eliahoo E, Younis A, Sutton G.A, Abu-Ahmad W, Raz T. Effects of group housing on reproductive performance, lameness, injuries and saliva cortisol in gestating sows. *Journal of Preventive Veterinary Medicine*, 2018

PARTICIPATION IN SCIENTIFIC CONFERENCES

Morgan L, the principles of Dog Population Management (DPM) program. The annual conference for public health and municipal veterinary medicine. *Israel*, 2020 (online). **Invited speaker**

Morgan L, Yakobson B, Raz T, Controlling dog overpopulation in Israel by a unique national DPM (Dog Population Management) program. ISAE virtual, 2020. **Oral presentation**

Morgan L, Klement E, Meyer S. J, Raz T. Sows and piglet hair cortisol as a marker for chronic stress in farrowing crates and piglet husbandry procedures. *The 41th Symposium of Veterinary Medicine about Animal Welfare*, Israel 2019. **Oral presentation**

Morgan L, Round table panel- "Who should be responsible for environmental enrichment? The farmer, the public, the veterinarian, the government, or the industry? *The 41th Symposium of Veterinary Medicine about Animal Welfare*, Israel 2019. **Invited round table participant**.

Morgan L, Itin-Shwartz B, Koren L, Meyer J. S, Matas D, Younis A, Novak S, Weizmann N, Rapaic O, AbuAhmad W, Klement E, Raz T. Welfare implications of husbandry procedures impair piglets' welfare and production, and farms' economic. 2019 ASAS-CSAS Annual Meeting and Trade Show, Tx USA, **Oral presentation**.

Morgan, L., Yakobson, B., Raz, T, *Stray and abandoned dog overpopulation management- Israel's unique system*. 2019 ASAS-CSAS Annual Meeting and Trade Show, Tx USA, 2019. **Oral presentation**.

Morgan, L., Meyer, J., Raz, T, Sow and piglet hair cortisol, a marker for chronic stress in crates and piglets husbandry procedures. 70th Annual Meeting of the European Federation of Animal Science, Belgium 2019. **Oral presentation**.

Morgan, L., Yakobson, B., Raz, T, *Stray and abandoned dog overpopulation management- Israel's unique system*. 70th Annual Meeting of the European Federation of Animal Science, Belgium 2019. **Oral presentation**.

Morgan, L., Yakobson, B., Raz, T, A governmental national database to control dog overpopulation and rabies vaccinations. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019. **Oral presentation**.

Morgan, L., Yakobson, B., Raz, T, Risk analysis for a dog to be adopted or wait for a longer time at the shelter. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019. **Poster presentation**.

Morgan, L., Yakobson, B., Raz, T, Israeli governmental initiatives to support responsible dog ownership. ICAM Coalition- 3rd International Conference on Dog Population Management. Kenya, 2019. **Poster presentation**.

Morgan L, Farm animal welfare assessment, and the developments in Israel. Veterinary training course for public health veterinarians and official governmental inspectors. The veterinary services, Israel, 2019. **Invited lecture**.

Morgan L, Yakobson B, Gamliel A, Novak S, Weizmann N, Shwartz B, Raz T. Abu Ahmad W, Raz T. Analyses of public attitudes towards dog adoption and non-surgical contraception/sterilization via an online searchable database. The ACC&D's 6th International Symposium on Non-Surgical Contraceptive Methods of Pet Population Control. Boston 2018. **Poster presentation**

Morgan L, Alex Gamliel, Beata Shwartz, Raz T. Public attitudes towards dog adoptions, and surgical and non-surgical sterilization/contraception. The 21st EVSSAR congress, Venice, Italy 2018. **Oral presentation.**

Morgan L, Dog overpopulation and pig welfare in the Israeli defense forces. The IDF veterinarians annual meeting, Israel 2018. **Invited oral presentation.**

Morgan L, Klement E, Koren L, Meyer J, Matas D, Novak S, Abu Ahmad W, Raz T. Immunocastration, avoiding teeth clipping and tail docking improve piglets' production and welfare. The 69th Annual Meeting of the European Federation of Animal Science, Croatia, 2018. **Oral presentation.**

Morgan L, Klement E, Meyer J, Novak S, Abu-Ahmad W, Doron O, Navon S, Raz T. Avoiding surgical castration, tail docking and teeth clipping in piglets, increases survival and slaughter weight. *The 40th Symposium of Veterinary Medicine about Animal Welfare*, Israel 2017. **Oral presentation**

Round table panel- How objective are the objective pain scale? *The 40th Symposium of Veterinary Medicine about Animal Welfare*, Israel 2017. **Invited round table participant.**

Morgan L, Klement E, Meyer J, Novak S, Abu-Ahmad W, Doron O, Navon S, Raz T. Restraint of sows during lactation is a risk for preweaning mortality and increased hair cortisol. The *7th International Conference on the Assessment of Animal Welfare at Farm and Group Level*, Netherlands 2017. **Poster presentation**

Round table panel- How can the academia contribute to animal welfare in Israel and the effect on governmental decisions? *The national conference about Animal Welfare*, Israel 2017 **Invited round table participant**

Morgan L, Soffer C, Raz T. Monitoring and controlling wild boar population. *The Israel Nature and Heritage Foundation, Research department meeting*. 2017. **Oral presentation**

Morgan L, Klement E, Meyer J, Novak S, Abu-Ahmad W, Doron O, Navon S, Raz T. Shortening the restraint period during lactation improves piglets' survival and decreases chronic stress in sows. *The 39th Symposium of Veterinary Medicine about Animal Welfare*, Israel 2017. **Oral presentation**

Morgan L, Doron O, Kolberg Y, Raz T. Group housing management during pregnancy enhance reproduction productivity and welfare of sows, as compared to individual confinement stalls. *The 38th Symposium of Veterinary Medicine, Israel 2017*. **Oral presentation**

Morgan L, Doron O, Kolberg Y, Raz T. Improving sow fertility and production by group housing management towards better animal welfare. *The International Conference on Pig Welfare, What are the Ways Forward*, Copenhagen, Denmark, 2015. **Poster presentation**