

AKADEMİK ÖZGEÇMİŞ

1. Adı Soyadı: Yağmur Derman

2. Unvanı: Doçent

3. Öğrenim Durumu: Doktora

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Veteriner Hekim	Ankara Üniversitesi	2007
Y. Lisans	Veteriner Hekim	Ankara Üniversitesi	2007
Doktora	Gıda Hijyeni	Helsinki Üniversitesi	2015

4. Yüksek Lisans / Doktora Tezi

4.1.Yüksek Lisans Tez Başlığı ve Tez Danışman(lar)ı:

4.2. Doktora Tezi/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı:

Stress response of Group I and II Clostridium botulinum /Hannu Korkeala, Miia Lindström

5. Akademik Unvanlar:

Yardımcı doçentlik tarihi:

Doçentlik tarihi: 20.01.2025

Profesörlük tarihi:

6. Yönetilen Yüksek Lisans ve Doktora Tezleri:

6.1. Yüksek lisans tezleri

Lämpötilan vaikutus Clostridium botulinum Bf -kannan kasvuun, itiöintiin ja toksiinigeeniaktiivisuuteen (2023) Riina Röpellinen

6.2. Doktora tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI, AHCI, ESCI, Scopus)

15. Wu Z, Li J, Feng J, Derman Y, Tan J, Mu J, Gao Z, Zhang W, Zhang Z. Molecular characterization and biocontrol potential of three novel prophage-derived Amidase_3 family endolysins against *Clostridium perfringens* in cooked chicken meat. SSRN (2026). doi: 10.2139/ssrn.6688588.
14. Douillard F.P., Derman Y., Jian C., Korpela K., Saxén H., Salonen A., de Vos W.M., Korkeala H. & Lindström M. (2024) Insights into the fecal microbiota composition and dynamics of an infant diagnosed with intestinal botulism. Gut Pathog 16: 20 doi: 10.1186/s13099-024-00614-y.
13. Douillard F.P., Portinha I.M., Derman Y., Woudstra C., Mäklin T., Dorner M.B., Korkeala H., Henriques A. O. & Lindström M. (2023) A novel prophage-like insertion element within yabG triggers early entry into sporulation in *Clostridium botulinum*. Viruses 12: 2431 doi: 10.3390/v15122431.
12. Douillard F. P., Derman Y., Woudstra C., Selby K., Mäklin T., Dorner M.B., Saxén H., Dorner B. G., Korkeala H. & Lindström M. 2022. Genomic and Phenotypic Characterization of *Clostridium botulinum* Isolates from an infant botulism case suggests adaptation signatures to the gut. mBio 13(3):e0238421.
11. Woudstra C., Mäklin T., Derman Y., Bano L., Skarin H., Mazuet C., Honkela A. & Lindström M. 2021. Closing *Clostridium botulinum* Group III Genomes Using Long-Read Sequencing. 2021. Microbiol Resour Announc 22: e01364-20.
10. Rasetti-Escargueil C., Avril A., Miethe S., Mazuet C., Derman Y., Selby K., Thullier P., Pelat T., Urbain R., Fontayne A., Korkeala H., Sesardic D., Hust M. & Popoff M. R. 2017. The European AntibotABE Framework Program and Its Update: Development of Innovative Botulinum Antibodies. Toxins, (10):309.doi:10.3390/toxins9100309.
9. Peck M. W., Smith T. J., Anniballi F., Austin J. W., Bano L., Bradshaw M., Cuervo P., Cheng L. W., Derman Y., Dorner B. G., Fisher A., Hill K. K., Kalb S. R., Korkeala H., Lindström M., Lista F., Lúquez C., Mazuet C., Pirazzini M., Popoff M. R., Rossetto O., Rummel A., Sesardic D., Singh B. R. & Stringer S. C. 2017. Historical Perspectives and Guidelines for Botulinum Neurotoxin Subtype Nomenclature. Toxins, 18; doi: 10.3390/toxins9010038.
8. Derman Y., Selby K., Miethe S., Frenzel A., Liu Y., Rasetti-Escargueil C., Avril A., Pelat T., Urbain R., Fontayne A., Thullier P., Sesardic D., Lindström M., Hust M. & Korkeala H. 2016. Neutralization of

Botulinum Neurotoxin Type E by a Humanized Antibody. *Toxins*, 12,8 pii: E257. doi: 10.3390/toxins8090257.

7. Söderholm H., Derman Y., Lindström M. & Korkeala H. 2015. Functional *csdA* is needed for effective adaptation and initiation of growth of *Clostridium botulinum* ATCC 3502 at suboptimal temperature. *Int J Food Microbiol*, 208:51-7.

6. Derman Y., Söderholm H., Lindström M. & Korkeala H. 2015. Role of *csp* genes in NaCl, pH, and ethanol stress response and motility in *Clostridium botulinum* ATCC 3502. *Food Microbiol*, 46:463-70.

5. Derman Y., Korkeala H., Salo E., Lönnqvist T., Saxen H. & Lindström M. 2014. Infant botulism with prolonged faecal excretion of botulinum neurotoxin and *Clostridium botulinum* for 7 months. *Epidemiol Infect*, 142:335-9.

4. Mascher G., Derman Y., Kirk D. G., Palonen E., Lindström M. & Korkeala H. 2014. The CLO3403/CLO3404 two-component system of *Clostridium botulinum* E1 Beluga is important for cold shock response and growth at low temperatures. *Appl Environ Microbiol*, 80:399-407.

3. Derman Y., Isokallio M., Lindström M. & Korkeala H. 2013. The two-component system CBO2306/CBO2307 is important for cold adaptation of *Clostridium botulinum* ATCC 3502. *Int J Food Microbiol*, 167:87-91.

2. Jalava K., Selby K., Pihlajasaari A., Kolho E., Dahlsten E., Forss N., Bäcklund T., Korkeala H., Honkanen-Buzalski T., Hulkko T., Derman Y., Järvinen A., Kotilainen H., Kultanen L., Ruutu P., Lyytikäinen O. & Lindström M. 2011.

1. Derman Y., Lindström M., Selby K. & Korkeala H. 2011. Growth of group II *Clostridium botulinum* strains at extreme temperatures. *J Food Prot*, 74:1797-804.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. Le Maréchal C., Anniballi F., Bano L., Tevell Åberg A., Lindström M., Dorner M. B., Hedeland M., Seyboldt C., Koene M., Bilei S., Derman Y., Chemaly M., 2020. Workshop on the risks associated with animal botulism and ANIBOTNET final meeting. *EuroReference* 12, 33-44.

2. François Douillard., Yağmur Derman., Cédric Woudstra., Anne Salonen., Willem M. de Vos b., Hannu Korkeala., Miia Lindström., 2018 Novel aspects of intestinal botulism. Toxicon 156, S25-S25.
3. Aittamaa M., Söderholm H., Somervuo P. J., Nykäsenoja S., Auvinen P., Selby K., Derman Y., Nupponen M., Myllys V., Rantala L., Valkonen J., 2010. 29 p. Mikrosirutekniikka bakteeritaudinaiheuttajien tutkimuksessa ja diagnostiikassa. Helsingin yliopisto, Maataloustieteiden laitos, Elintarvikehygienian ja ympäristöterveyden osasto ja Biotekniikan instituutti.

7.4. Yazılan ulusal/uluslararası kitaplar veya kitaplarda bölümler

1. Derman Y., Dahlsten E. & Korkeala H. 2016 Stress and environmental regulation of gene expression and adaptation in bacteria. de Bruijn, F. J. (ed.). New Jersey: John Wiley & Sons Ltd. , Vol. 2, p. 845-853 9 p.

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

8. Sanat ve Tasarım Etkinlikleri

9. Projeler

Walter Ehrström foundation research grant,

Project: Hunting for Clostridium botulinum Group III lytic bacteriophages

Finnish Veterinary Foundation research grant,

Project: Why two guns? Understanding Clostridium botulinum strains equipped with dual neurotoxins

10. İdari Görevler

Assessment of the operating structures and management system at the University of Helsinki (TOIJO)

University of Helsinki, One Health Master's Program preparatory committee

11. Bilimsel ve Mesleki Kuruluşlara Üyelikler

The European Association of Establishments for Veterinary Education (EAEVE) expert

The Interagency Botulism Research Coordinating Committee - the botulinum neurotoxin nomenclature committee member

12. Ödüller

2015 yılında tamamlanan doktora tezi, Helsinki Üniversitesi Veterinerlik Fakültesi'nde verilen tüm doktora derecelerinin yalnızca %10'una verilen 'üstün başarıyla geçme' notunu almıştır

13. Son İki Yılda Verilen Lisans ve Lisansüstü Dersler

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2024 - 2025	Guz	Food Hygiene	5	7	73
	Bahar	Meat Inspection	3	7	70
		Abattoir Hygiene	3	7	68
2023 - 2024	Guz	Food Hygiene	5	7	73
	Bahar	Meat Inspection	3	7	70
		Abattoir Hygiene	3	7	68