

CURRICULUM VITAE

DATOS PERSONALES

Nombre Dra. Gladys Esther Krause

EDUCACIÓN Y FORMACIÓN

Abril 1997 – Septiembre 2002

Licenciatura en Biología en la „Freie Universität Berlin“
Formación en las áreas; Biología molecular, Microbiología, Microbiología Médica, Genética y Bioquímica

Enero - Septiembre 2002

Elaboración de la Tesis en el Instituto Robert Koch en Berlin
Tema: „Characterization of the *eae* gene (Intimin) and the phenotypic characteristics of enteropathogenic *E. coli* (EPEC) from animals and humans "

Octubre 2002 – Enero 2005

Doctorado en el Instituto Robert Koch en Berlin
Tema: "Identification and molecular characterization of Intiminvariants as virulence trait of attaching and effacing *Escherichia coli* strains (AEEC)

Agosto 2007

Recibimiento del Doctorado en la „Freie Universität Berlin“
con la calificación : *magna cum laude*. Facultad: Biología, Química y Farmacia

EXPERIENCIA LABORAL

Octubre 2002 - Enero 2005

Colaboradora científica en el Centro para la seguridad biológica – Toxinas bacterianas en el Instituto „Robert Koch“ Nordufer 23, 13353 Berlin

Febrero 2005 - actualidad

Colaboradora científica en el grupo profesional „Toxinas microbianas“ en „Bundesinstitut für Risikobewertung“ Diederdsdorfer Weg 1, 12277 Berlin

Campos de actividades

Microbiología, Biología molecular, Genética, Immunología, cultivo de células

HABILIDADES PERSONALES

Lengua materna:

Español

Otros Idiomas:

Alemán é Inglés (Nivel muy avanzado)

Experiencia en la enseñanza y supervisión de asistentes técnicos, estudiantes, estudiantes de postgrado.

Participación y organización de prácticas en laboratorios

Uso avanzado de: Word, Access, Excel, Powerpoint.

Uso avanzado de: Lasergene, MacVector, Bionumerics, SigmaPlot.

LISTA DE PUBLICACIONES

1. Zweifel C, Giezendanner N, Corti S, Krause G, Beutin L, Danuser J, Stephan R. (2010) Characteristics of shiga toxin-producing *Escherichia coli* isolated from Swiss raw milk cheese within a 3-year monitoring program. J Food Prot. 2010 Jan; 73(1):88-91.

2. Stephan R, Schumacher S, Corti S, Krause G, Danuser J, Beutin L. (2008) Prevalence and characteristics of Shiga toxin-producing *Escherichia coli* in Swiss raw milk cheeses collected at producer level. *J Dairy Sci.* 2008 Jul;91(7):2561-5. doi: 10.3168/jds.2008-1055.
3. Kohler R, Krause G, Beutin L, Stephan R, Zweifel C. (2008) Shedding of food-borne pathogens and microbiological carcass contamination in rabbits at slaughter. *Vet Microbiol.* 2008 Nov 25;132(1-2):149-57. doi: 10.1016/j.vetmic.2008.04.020. Epub 2008 Apr 24.
4. Beutin L, Steinrück H, Krause G, Steege K, Haby S, Hultsch G, Appel B. (2007) Comparative evaluation of the Ridascreen Verotoxin enzyme immunoassay for detection of Shiga-toxin producing strains of *Escherichia coli* (STEC) from food and other sources. *J Appl Microbiol.* 2007 Mar;102(3):630-9.
5. Kozub-Witkowski E, Krause G, Frankel G, Kramer D, Appel B, Beutin L. (2007) Serotypes and virutypes of enteropathogenic and enterohaemorrhagic *Escherichia coli* strains from stool samples of children with diarrhoea in Germany. *J Appl Microbiol.* 2008 Feb;104(2):403-10. Epub 2007 Sep 21.
6. Beutin, L., Kong, Q., Feng, L., Wang, Q., Krause, G., Leomil, L., Jin, Q. and Wang, L. (2005) Development of PCR assays targeting the genes involved in synthesis and assembly of the new *Escherichia coli* O174 and O177O antigens. *Journal of Clinical Microbiology* 43, 5143-5149.
7. Beutin, L., Tao, J., Feng, L., Krause, G., Zimmermann, S., Gleier, K., Xia, Q.Y. and Wang, L. (2005) Sequence analysis of the *Escherichia coli* O15 antigen gene cluster and development of a PCR assay for rapid detection of intestinal and extraintestinal pathogenic *E. coli* O15 strains. *Journal of Clinical Microbiology* 43, 703-710.
8. Krause, G., Zimmermann, S. and Beutin, L. (2005) Investigation of domestic animals and pets as a reservoir for intimin-(eae) gene positive *Escherichia coli* types. *Veterinary Microbiology* 106, 87-95.
9. Leomil, L., Pestana de Castro, A.F., Krause, G., Schmidt, H. and Beutin, L. (2005) Characterization of two major groups of diarrheagenic *Escherichia coli* O26 strains which are globally spread in human patients and domestic animals of different species. *Fems Microbiology Letters* 249, 335-342.
10. Ullmann, D., Krause, G., Knabner, D., Weber, H. and Beutin, L. (2005) Isolation and Characterization of Potentially Human Pathogenic, Cytotoxin-producing *Aeromonas* Strains from Retailed Seafood in Berlin, Germany. *Journal of Veterinary Medicine Series B* 52, 82-87.
11. Wang, L., Liu, B., Kong, Q., Steinruck, H., Krause, G., Beutin, L. and Feng, L. (2005) Molecular markers for detection of pathogenic *Escherichia coli* strains belonging to serogroups O138 and O139. *Veterinary Microbiology* 111, 181-190.
12. Dorner B. G., Kubsch D., Krause G. and Beutin L. Sensitive detection of ricin, a potential weapon for bioterrorists, from food. *Eingereicht Proceedings 5th World Congress Foodborne Infections and Intoxications, Berlin 7.-11.06.2004*

13. Beutin, L., Krause, G., Zimmermann, S., Kaulfuss, S. and Gleier, K. (2004) Characterization of Shiga toxin-producing *Escherichia coli* strains isolated from human patients in Germany over a 3-year period. *J Clin Microbiol* 42, 1099-108.
14. Feng, L., Wang, W., Tao, J., Guo, H., Krause, G., Beutin, L. and Wang, L. (2004) Identification of *Escherichia coli* O114 O-Antigen Gene Cluster and Development of an O114 Serogroup-Specific PCR Assay. *Journal of Clinical Microbiology* 42, 3799-3804.
15. Beutin L., Krause G., Zimmermann S., Gleier K., Kaulfuss S. and Schmidt H. (2003) Characterization of 677 Verotoxin (Shiga toxin)-producing *Escherichia coli* (VTEC) isolated from patients in Germany between 1997 and 1999 by their serotypes and their virulence markers. VTEC 2003 (Edinburgh, Schottland), *Final Programme and Book of Abstracts* p. 175.
16. Krause G., Schmidt H. and Beutin L. (2003) Occurrence and characterisation of attaching and effacing *Escherichia coli* (AEEC) isolated from humans and animals. VTEC 2003 (Edinburgh, Schottland), *Final Programme and Book of Abstracts* p. 176.
17. Krause G., Schmidt H. and Beutin L. (2002) Occurrence and characterisation of attaching and effacing *Escherichia coli* (AEEC) isolated from humans and animals. 3. International EPEC Symposium (Puerto Vallarta, Mexiko), *Program and Abstract Book*.