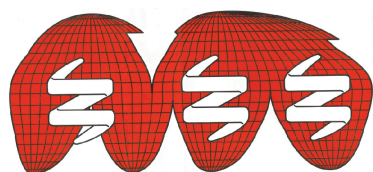


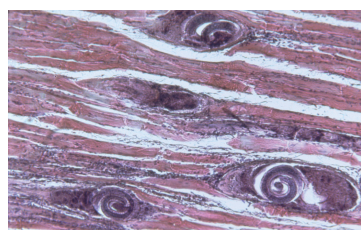
Program

14th International Conference on Trichinellosis

Berlin, Germany
14-18 September 2015



International Commission
on Trichinellosis



organized by the Federal Institute for Risk Assessment (BfR) in cooperation with
The Free University Berlin (FUB),
The Section of Parasitology of the German Society of Veterinary Medicine (DVG), and
The Federal Ministry of Food and Agriculture (BMEL)

Imprint

Program

14th International Conference on Trichinellosis

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Federal Institute for Risk Assessment (BfR)
Max-Dohrn-Straße 8–10
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Germany

Berlin 2015
10 Pages

BfR Printing House

Monday, 14th September 2015

14:00-19:00 hrs **Registration**

13:00-15:00 hrs **ICT Guidelines Committee Meeting**

16:00-17:30 hrs **ICT Executive Committee Meeting**

19:00-21:00 hrs **Welcome dinner**

Tuesday, 15th September 2015

08:00-17:00 hrs **Registration**

09:00-09:45 hrs **Opening Ceremony**

Session I **Phylogeny, Genomics and Proteomics**

Chairs: Dante Zarlenga (USA), Guadalupe Ortega-Pierres (Mexico)

09:45-10:10 hrs

Keynote: Benjamin Rosenthal

Phylogeny and comparative population biology of *Trichinella* spp.

10:10-10:45 hrs

Keynote: Robin Gasser

Genomes of all members of the *Trichinella* complex: phylogenomic and biogeographic reconstruction

10:45-11:00 hrs

Frits Franssen, Ewa Bilska-Zajac, Gunita Deksne, Hein Sprong, Edoardo Pozio, Benjamin Rosenthal, Mirek Rozycki, Joke van der Giessen

Interspecies recombination between *Trichinella spiralis* and *Trichinella britovi* occurs under natural conditions

11:00-11:30 hrs

Coffee

Session II **Phylogeny, Genomics and Proteomics**

Chairs: Dante Zarlenga (USA), Guadalupe Ortega-Pierres (Mexico)

11:30-11:45 hrs

G. Ortega-Pierres, L.E. Grijalva-Contreras, R. Fonseca-Liñán, Guillermo Mendoza, V. Flores-López, R.M. Bermúdez-Cruz

Proteomic analysis of differentially expressed proteins from muscle larvae and pre-adult stages of *Trichinella spiralis*

11:45-12:00 hrs

Dante Zarlenga, Zhengyuan Wang, Makedonka Mitreva

Trichinella spiralis; adaptation and parasitism

12:00-12:15 hrs

Martin Kašný, Lucie Škorpíková, Jana Ilgová, Břetislav Koudela, Milan Gelnar, David Potěšil, Zbyněk Zdráhal, Peter Thompson, Dante Zarlenga

The comparison of functional molecules from excretory-secretory products of two *Trichinella* species

Tuesday, 15th September 2015

Session II	Phylogeny, Genomics and Proteomics Chairs: Dante Zarlenga (USA), Guadalupe Ortega-Pierres (Mexico)
12:15-12:30 hrs	X.L. Liu, Y. Wang, M.Y. Liu, X. Bai, H. Gao, X.P. Wu, T.T. Li, H.N. Shi, P. Boireau, B. Rosenthal, X.L. Wang Immunoproteomic analysis of the excretory-secretory products of the <i>Trichinella pseudospiralis</i> adult and newborn larvae
12:30-12:45 hrs	Peter C. Thompson, Luke Hecht, Dante S. Zarlenga, Benjamin M. Rosenthal Assortative mating limits hybridization between two lineages of freeze-resistant <i>Trichinella</i>
12:45-14:30 hrs	Lunch Poster Session: Phylogeny, Genomics and Proteomics, Biology
Session III	Biology, Host-Pathogen-Interaction and Immunology Chairs: Isabelle Vallee (France), Liu Mingyuan (China)
14:30-14:55 hrs	Keynote: Bernadette Connolly The biology of <i>Trichinella</i> : from genes to genomes
14:55-15:10 hrs	Natasa Ilic, Alisa Gruden-Movsesijan, Jelena Cvetkovic, Marija Devic, Sasa Vasilev, Ljiljana Sofronic-Milosavljevic Individual components of <i>Trichinella spiralis</i> excretory-secretory muscle larvae antigens – the role in shaping of the immune response
15:10-15:25 hrs	Alisa Gruden-Movsesijan, Natasa Ilic, Zanka Bojic-Trbojevic, Danica Cujic, Milica Zekovic, Ljiljana Sofronic-Milosavljevic The presence of galectin-1-like molecules in <i>Trichinella spiralis</i> muscle larvae excretory-secretory antigens
15:25-15:40 hrs	Julia Dąbrowska, Monika Dybicz, Maria Doligalska The ultrastructural analysis of pulmonary oedema formation in BALB/c mice infected with <i>Trichinella spiralis</i>
15:40-15:55 hrs	F. Bruschi, C. Della Bella, M. Benagiano, M. De Gennaro, M.A. Gomez-Morales, A. Ludovisi, S. Luchi, E. Pozio, M.M. D'Elíos T cell clones in human trichinellosis: Th2 polarization
17:00-21:00 hrs	Boat Tour with Dinner

Wednesday, 16th September 2015

Session I	Biology, Host-Pathogen-Interaction and Immunology
Chairs: Isabelle Vallee (France), Liu Mingyuan (China)	
09:00-09:25 hrs	Keynote: Pascal Boireau Host-pathogen interaction - the features of <i>Trichinella</i> antigens
09:25-09:40 hrs	Maria Doligalska, Klaudia Brodaczevska, Natalia Wolaniuk The inflammation induced by <i>N</i> -acetyl-glucosamine and glucosamine supports <i>T. spiralis</i> infection
09:40-09:55 hrs	Bao-Quan FU, Zi-Gang QU, Xue-Ting MA, Wen-Hui LI, Nian-Zhang ZHANG, Long YUE, Jian-Min CUI, Wan-zhong JIA, Jian-Ping CAI Molecular cloning and characterization of a cathepsin-F-like protease from <i>Trichinella spiralis</i>
09:55-10:10 hrs	J. Ding, M.Y. Liu, X. Bai, S.M. Sun, X.P. Wu, Y. Wang, J. Liu, P. Boireau, B. Rosenthal, X. L. Wang, X.L. Liu Anti-tumor effects produced by excretory-secretory products of <i>Trichinella spiralis</i>
10:10-10:25 hrs	M.Y. Liu, X.L. Liu, C.S. Liao, X. Bai, X.P. Wu, P. Liu, H.N. Shi, P. Boireau, B. Rosenthal, X.L. Wang <i>Trichinella spiralis</i> p43, a Deoxyribonuclease II but no activity
10:25-10:40 hrs	X. Bai, M.Y. Liu, X.P. Wu, H.N. Shi, P. Boireau, B. Rosenthal, X.L. Wang, X.L. Liu The roles of macrophage treated by excretory-secretory products from muscle larvae of <i>Trichinella spiralis</i> on the differentiation of C2C12 myoblasts
10:40-10:55 hrs	Jing Cui, Peng Jiang, Zi Fang Zhang, Xi Zhang, Ruo Dan Liu, Ge Ge Sun, Xin Qi, Li Na Liu, Zhong Quan Wang New insights into the mechanism of <i>Trichinella spiralis</i> infective larvae invade the intestinal epithelium
10:55-11:30 hrs	Coffee

Wednesday, 16th September 2015

Session II	Detection Chairs: Ljiljana Sofronic-Milosavljevic (Serbia), Antti Oksanen (Finland)
11:30-11:55 hrs	Keynote: Mabel Ribicich <i>Trichinella spiralis</i> and <i>Trichinella patagoniensis</i> - how to improve their detection in endemic regions?
11:55-12:10 hrs	Judith A. Appleton, Lucille F. Gagliardo, Dolores E. Hill, Maria A. Gomez-Morales, Elizabeth A. Berliner, Brian P. Butler Detection of antibodies specific for <i>Trichinella spiralis</i> by competition: one assay for a variety of animal hosts
12:10-12:25 hrs	Andreas Latz, Jenny Völger, Karin Fehr, Lidia Chitimia, Helmut Duchmann Development and performance evaluation of enzyme linked immunosorbent assay and lineblot for serological diagnosis of <i>Trichinella</i> in humans and animals
12:25-12:40 hrs	Zhong Quan Wang, Ge Ge Sun, Ruo Dan Liu, Peng Jiang, Xi Zhang, Li Wang, Jing Cui Early serodiagnosis of trichinellosis by ELISA using excretory–secretory antigens of <i>Trichinella spiralis</i> intestinal infective larvae
12:40-14:00 hrs	Lunch Poster Session: Host-Pathogen-Interaction and Immunology, Detection
Session III	Detection Chairs: Ljiljana Sofronic-Milosavljevic (Serbia), Antti Oksanen (Finland)
14:00-14:15 hrs	Alvin Gajadhar, Kelly Konecsni, Brad Scandrett, Cheryl Scheller Evaluation of sample storage conditions for the recovery of <i>Trichinella</i> larvae from pork and horsemeat by the artificial digestion method
14:15-14:30 hrs	Nikol Reslová, Martin Kašný, Michal Slaný, Břetislav Koudela, Petr Králík Diagnostic panel for foodborne pathogens
14:30-14:45 hrs	Antti Oksanen, Kristian Björnstad, Anu Näreaho, Anna Lundén, Ulf Bondesson Faster and cheaper species identification of <i>Trichinella</i> muscle larvae
14:45-15:00 hrs	A. Mayer-Scholl, J. Murugaiyan, J. Neumann, P. Bahn, S. Reckinger, K. Nöckler Rapid detection of the foodborne pathogen <i>Trichinella</i> spp. by MALDI-TOF mass spectrometry
15:00-15:15 hrs	B. Tang, X.L. Liu, M.Y. Liu, X.P. Wu, Y. Wang, H.N. Shi, P. Boireau, B. Rosenthal, X. Bai, X.L. Wang Epitope mapping of a strongly antigenic cystatin-like protein from <i>Trichinella spiralis</i>
15:15-15:30 hrs	Jenny Chaparro-Gutiérrez, Anderson López-Arias, Sara López-Osorio, Corina Zambrano-Moreno, Jaime Mejia-Jaramillo, Felipe Penagos-Tabares, Diego Piedrahita Initial examination of 6 pig slaughterhouses and a sample of wild rodents have not detected <i>Trichinella</i> in different towns of Antioquia, Colombia
17:00-21:30 hrs	City Tour and Dinner (in the hotel)

Thursday, 17th September 2015

Session I	Epidemiology Chairs: Edoardo Pozio (Italy), Joke van der Giessen (Netherlands)
09:00-09:25 hrs	Keynote: Darwin K. Murrell The dynamics of <i>Trichinella spiralis</i> epidemiology: From down on the farm to living wild?
09:25-09:40 hrs	Edoardo Pozio The epidemiology of <i>Trichinella pseudospiralis</i> an elusive nematode
09:40-09:55 hrs	Alessandra Ludovisi, Marco Selmi, Maria Angeles Gómez Morales, Marco Amati, Eleonora Fiorentino, Lorenzo Breviglieri, Giovanni Poglaye, Edoardo Pozio Hunting dogs as sentinel animals for monitoring <i>Trichinella</i> spp. infection in wildlife
09:55-10:10 hrs	Karsten Nöckler, Sabine Reckinger, Anne Mayer-Scholl, Christoph Schulze Study on the prevalence of <i>Trichinella</i> spp. in raccoon dogs (<i>Nyctereutes procyonoides</i>) in Brandenburg, Germany
10:10-10:25 hrs	Gianluca Marucci, Giuseppe La Rosa, Isabelle Vallée, François Casabianca, Pascal Boireau, Edoardo Pozio Microsatellite analysis of <i>Trichinella britovi</i> isolates from the Mediterranean islands of Corsica and Sardinia suggests their different geographical origin
10:25-11:00 hrs	Coffee
Session II	Epidemiology Chairs: Edoardo Pozio (Italy), Joke van der Giessen (Netherlands)
11:00-11:15 hrs	Kristina Roesel, Michel Dione, Karsten Nöckler, Reinhard Fries, Maximilian P.O. Baumann, Peter-Henning Clausen, Delia Grace Exposure of pigs to <i>Trichinella</i> spp. in three districts in Central and Eastern Uganda
11:15-11:30 hrs	I. Jahundoviča, G. La Rosa, M. Kirjušina, D. Tonanzi, E. Pozio Microsatellite analysis of <i>Trichinella britovi</i> isolates from Latvia
11:30-11:45 hrs	G. La Rosa, R. Calero-Bernal, J.E. Pérez-Martín, J.A. Gamito, D. Tonanzi, F.J. Serrano-Aguilera, E. Pozio Microsatellite analysis of <i>Trichinella spiralis</i> gene pool circulating in the Extremadura region of Spain
11:45-12:00 hrs	Călin Gherman, Dan Neagu, Miruna Oltean Wild carnivores, a major component of sylvatic reservoir for <i>Trichinella</i> spp. in Romania
12:00-12:15 hrs	Isabelle Vallée, Michele Riera, Céline Richomme, Sandrine Lacour, Gina Zanella, François Casabianca, Pascal Boireau <i>Trichinella</i> in Corsica Island: when the parasite takes advantage of the slightest weak link
12:15-12:30 hrs	Alex Markovics, Asael Roth, Roni King, Oran Erster Prevalence and molecular characterization of <i>Trichinella</i> infection in wild animals in Israel

Thursday, 17th September 2015

12:30-14:00 hrs	Lunch Poster Session: Epidemiology
Session III	Human Trichinellosis and Treatment Chairs: Fabrizio Bruschi (Italy), Bozena Moskwa (Poland)
14:00-14:25 hrs	Keynote: <u>Jean Dupouy-Camet</u> Trichinophobia in Europe in the XIXth century
14:25-14:40 hrs	<u>Maria Angeles Gomez Morales</u>, <u>Marco Amati</u>, <u>Alessandra Ludovisi</u>, <u>Giovanni Mazzarello</u>, <u>Claudio Viscoli</u>, <u>Edoardo Pozio</u> Inference of the <i>Trichinella</i> species causing a human outbreak by serology
14:40-14:55 hrs	<u>Codruta Nemet</u>, <u>Cristina Dobrescu</u>, <u>Mihaela Idomir</u>, <u>Lavinia Buvnariu</u>, <u>Eugen Ionescu</u> The importance of objective clinical examination in patients with trichinellosis, registered in Brasov County, Romania, between 1983-2013
14:55-15:10 hrs	<u>Mihaela Idomir</u>, <u>Codruta Nemet</u>, <u>Cristina Dobrescu</u>, <u>Mihaela Emandi</u>, <u>Lavinia Buvnariu</u> The socio-professional configuration of trichinellosis patients for a period of 30 years
15:10-15:25 hrs	<u>Natasa Miladinovic-Tasic</u>, <u>Ljiljana Sofronic-Milosavljevic</u>, <u>Sasa Vasilev</u>, <u>Nenad Ristic</u>, <u>Marija Devic</u>, <u>Suzana Otasevic</u> Serological diagnosis of trichinellosis during two outbreaks in the territory of southeast Serbia
15:25-16:00 hrs	Coffee
Session IV	Human Trichinellosis and Treatment Chairs: Fabrizio Bruschi (Italy), Bozena Moskwa (Poland)
16:00-16:15 hrs	<u>Sasa Vasilev</u>, <u>Sanja Celebicanin</u>, <u>Tamara Boskovic</u>, <u>Bojana Grgic</u>, <u>Jelena Cvetkovic</u>, <u>Milovan Djordjevic</u>, <u>Ljiljana Sofronic-Milosavljevic</u> <i>Trichinella</i> infection in Serbia from 2011 to 2014
16:15-16:30 hrs	<u>Leen Claes</u>, <u>Marjan Van Esbroeck</u>, <u>Peter Messiaen</u>, <u>Annemarie Forier</u>, <u>Pierre Dorny</u> An outbreak of trichinellosis in Belgium associated with the consumption of imported wild boar meat
16:30-16:45 hrs	<u>Polya Rosin</u>, <u>Orla Condell</u>, <u>Mathieu Bangert</u>, <u>Johanna Takkinen</u> and the Expert Panel for food- and waterborne parasitic diseases Perceived barriers to ascertainment and reporting of human trichinellosis cases in the European Union/European Economic Area
16:45-17:00 hrs	<u>A. Malakauskas</u>, <u>A. Bartulienė</u>, <u>V. Paulauskas</u>, <u>M. Malakauskas</u> Epidemiology of trichinellosis in Lithuania 2002-2014
17:00-17:15 hrs	<u>R. Blaga</u>, <u>C. Gherman</u>, <u>B. Durand</u>, <u>P. Boireau</u>, <u>C. Cretu</u> Romania and trichinellosis: a never ending story
18:30-22:00 hrs	Concert in Church and Dinner (in the hotel)

Friday, 18th September 2015

Session I	Legislation and Control Chairs: Ray Gamble (USA), Leen Claes (Belgium)
09:00-09:25 hrs	Keynote: Lis Alban How to ensure a negligible risk of <i>Trichinella</i> in pig farming from a control perspective?
09:25-09:40 hrs	P. Buholzer, X. Yang, M. Pürro, T. Tarjan, K. Hansen, A.J. Raeber Development of an alternative artificial digestion method for detecting <i>Trichinella</i> larvae in meat of domestic swine
09:40-09:55 hrs	M. Ribicich, M. Pasqualetti, F. Fariña, N. Cardillo, A. Rosa, M. Acerbo, M. Miguez, O.J. Degregorio Trichinellosis and pork production in Argentina: New aspects of control in an endemic region
09:55-10:10 hrs	Kelly Konecsni, Cheryl Scheller, Brad Scandrett, Alvin Gajadhar Evaluation of the PrioCHECK digestion assay kit for the detection of <i>Trichinella</i> larvae in pork, horsemeat and wildlife
10:10-10:25 hrs	Frits Franssen, Arno Swart, Katsuhisa Takumi, Arie Havelaar, Joke van der Giessen From parasite to patient: a quantitative risk analysis model for <i>Trichinella</i>
10:25-11:00 hrs	Coffee
Session II	Legislation and Control Chairs: Ray Gamble (USA), Leen Claes (Belgium)
11:00-11:15 hrs	Patrizia Rossi, Ray Gamble, Pascal Boireau, Brent Dixon, Alvin Gajadhar, Elisa Goffredo, Karsten Nöckler, Edoardo Pozio, Isabelle Vallée, Joke van der Giessen, Paul Vanderlinde EN ISO 18743: Detection of <i>Trichinella</i> larvae in meat by artificial digestion method: the first international standard on parasites in food microbiology
11:15-11:30 hrs	Brigitte Hentrich, Caroline F. Frey, Gertrud Rosenberg, Bruno Gottstein Introduction of the Latex-agglutination test in Switzerland for the detection of <i>Trichinella</i> infections in pigs
11:30-11:45 hrs	Caroline F. Frey, Brigitte Hentrich, Marie-Pierre Ryser Degiorgis, Manon Schuppers, Bruno Gottstein Epidemiological situation of <i>Trichinella</i> and control measures in Switzerland
11:45-12:00 hrs	Joke van der Giessen, Lucy Robertson Ranking of <i>Trichinella</i> species and other foodborne parasites
12:00-12:15 hrs	Mirosław Różycki, Ewa Bilaska-Zajac, Ewa Chmurzyńska, Jacek Karamon, Tomasz Cencek Retrospective analysis of proficiency testing results of Polish laboratories performing <i>Trichinella</i> examination of pig meat
12:15-12:30 hrs	G. Zanella, L.A. Ndounga Diakou, A. Heckmann, P. Macé, P. Boireau, I. Vallée Is mainland France free from <i>Trichinella</i> infection of domestic pigs?

Friday, 18th September 2015

12:30-14:00 hrs	Lunch Poster Session: Human Trichinellosis and Treatment, Legislation and Control
Session III	Student Research Award Chairs: Alvin Gajadhar (Canada), Karsten Nöckler (Germany)
14:00-14:30 hrs	<u>M.P. Saracino</u>, M.A. Calcagno, E. Bilen Beauche, A. Garnier, C.C. Vila, R. Taus, S.M. Venturiello <i>Trichinella spiralis</i> infection and transplacental passage in human pregnancy. Differences between low versus high parasite burden areas?
14:30-15:00 hrs	<u>G. Makrutzki</u>, M. Koethe, A. Hamedy, E. Luecker Automated digital imaging and analysis system for detection of <i>Trichinella</i> larvae in meat
15:30-16:30 hrs	ICT Executive Committee Meeting
17:00-18:15 hrs	ICT Business Meeting Closing Remarks
20:00-24:00 hrs	Gala Dinner

For detailed information please visit: http://www.bfr.bund.de/en/ict_berlin_2015.html