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Prion Biology | Biologie des prions

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Protease-Sensitive Synthetic Prions and Evidence that Tg9949 Mice Do Not Spontaneously Generate Prions

David Colby, Stanley Prusiner

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Nanobody-Assisted Crystallization of Human and Mouse Prion Proteins

Romany N. Abskharon, Sameh Soror, Els Pardon, Hassan El Hassan, Giuseppe Legname, Jan Steyaert, Alexandre Wohlkonig

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Prnp Gene Polymorphisms of Spanish Sheep and Goat Affected with Natural Scrapie: Retrospective Study of Nearly 500 Scrapie Affected Animals

Cristina Acín, José L. Pitarch, Eva Monleon, Marta Monzón, Rosa Bolea, Belén Marín, Maricarmen Garza, Rocio Sarasa, Juan J. Badiola

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María C. Garza, Natalia Fernández-Borges, **Cristina Acín**, Juan J. Badiola, Joaquin Castilla, Eva Monleón

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Gene Expression Profiling and Association with Prion-Related Lesions in the Medulla Oblongata of Symptomatic Natural Scrapie Animals

Hicham Filali, Inmaculada Martin-Burriel, Frank Harders, Luis Varona, Jaber Lyahyai, **Cristina Acín**, Pilar Zaragoza, Martí Pumarola, Juan Badiola, Alex Bossers, Rosa Bolea

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Ana L. Alvarez, Gary R. Martin, Frank R. Jirik, Keith A. Sharkey

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Grit Priemer, **Anne Balkema-Buschmann**, Bob Hills, Ron Rogers, Martin H. Groschup



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Zuzana Krejciova, Alison Green, James W. Ironside, Mark W. Head



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Failure of Prions from "Rigid Loop" Equine PrP Transgenic Mice to Adapt Across a Species Barrier

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Martin L. Daus, Johanna Breyer, Katjs Wagenfuehr, Wiebke Wemheuer, Achim Thomzig, Walter Schulz-Schaeffer, Michael Beekes

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Lipopolysaccharide Affects Permeation of Prion Protein Through Gastrointestinal Tract of Rodents

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Bacterial Lipopolysaccharide, a Trigger of Prion Fibrillar Disease?

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Comparison of Molecular Mechanisms Between Alzheimer's and Prion Diseases

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Generation of PrP-res by Unseeded PMCA

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PrPC-STH1 Interaction Protects Against Synapse Damage Caused by Soluble A β Oligomers

Ana Paula Wasilewska-Sampaio, Pedro Hirata, Marco Prado, Jordano Brito-Moreira, Sergio Ferreira, Glucia Hajj, Vilma Regina Martins

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Probing the Assembly of Human Prion Peptide Fibrils by Solid-State NMR and Interaction with Model Membrane

Jason H. Yau, Patrick Walsh, Simon Sharpe

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Lower Risk of Creutzfeldt-Jakob Disease in Pituitary Growth Hormone Recipients Initiating Treatment After 1977

Joseph Abrams, Lawrence B. Schonberger, Ermias D. Belay, Ryan A. Maddox, Ellen W. Leschek, James L. Mills, Diane K. Wysowski, Judith E. Fradkin

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Proteomic Analysis of Ovine Sera to Identify Biomarkers Linked to Natural Scrapie

Maria Mazza, Chiara Guglielmetti, Francesca Martucci, Marianna Pagano, Paola Marconi, Gianfranco Santagada, Pasquale Troiano, Maurizio Bruschi, Giovanni Candiano, **Pier L. Acutis**

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Demographic and Diagnostic Differences in Minorities with Sporadic Creutzfeldt-Jakob Disease

Brian S. Appleby, Kristin K. Appleby, Mitchell T. Wallin

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Sophisticated Equipments at the Service of the Prion Research Community

Fabien Aubry, Valérie de Broglie

RISK.06

Could National Mortality Registers Provide Reliable Indicators for Creutzfeldt-Jakob Disease Surveillance? A Study in France from the 2000-2008 Mortality Data

Jean-Philippe Brandel, Arlette Welaratne, Dominique Salomon, Isabelle Capek, Véronique Vaillant, Albertine Aouba, Stéphane Haïk, Annick Alperovitch

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Prion Reduction of Blood Components by Affinity Filtration: Performance and Clinical Experience

Patrick V. Gurgel, **Steve J. Burton**

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Estimating Community Dependence on Caribou for Meat in Northern Canadian Communities

Angie Chiu, Ellen Goddard, Brenda Parlee

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CSF Proteins and Diagnosis of Sporadic Creutzfeldt-Jakob Disease in Canada

Michael B. Coulthart, Gerard H. Jansen, Elina Olsen, Deborah L. Godal, Tim Connolly, Bernard C. Choi, Zheng Wang, Neil R. Cashman

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A Position Paper on the Relaxation of the Feed Ban in Europe

Linda A. Detwiler, Ulrich Sperling, Conrad Brunk, Adriano Aguzzi, Klaus Grunert, Philip Comer

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Transmission of Atypical Italian sCJD Case to Humanized Mice Reveals a Novel Infectious Strain

Roberta Galeno, Marco Sbriccoli, Loredana Ingrosso, Silvia Graziano, Angelina Valanzano, Anna Poggi, Angela De Pascalis, Anna Ladogana, Franco Cardone, Maria Puopolo, Gianluigi Zanusso, Maurizio Pocchiarri

RISK.13

Thermophilic Anaerobic Digestion Degrades Scrapie Prion Protein and Transforms Specified Risk Materials Into Bioenergy

Tiejun T. Gao, Yupin Tong, Lester Wong, Xiaomei Li, Aru Balachandran, Nishandan Yogasingam, Gordon Mitchell, Evelyn Bowlby, John Wu



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RISK.14

Prion Detection During Anaerobic Digestion of Specified Risk Materials Using Protein Misfolding Cyclic Amplification (PMCA) and Immuno-Quantitative Real-Time PCR (iQ-RT-PCR)

Brandon H. Gilroyed, Tim Reuter, Shannon Braithwaite, Stefanie Czub, Catherine Graham, Aru Balachandran, Miodrag Belosevic, Norman Neumann, Tim A. McAllister

RISK.16

Clinical Disease in Cattle Experimentally Inoculated with All Types of BSE

Catherine Graham, Michel Levy, Ed Pajor, Garth McGregor, Rheana Flitton, Stefanie Czub

RISK.17

Pathogenesis and Agent Distribution of Three Known Types of BSE

Catherine Graham, Bob Hills, Martin Groschup, Sandor Dudas, Stefanie Czub

RISK.18

Update on Macaque-Adapted vCJD Blood Panels

Kristy McDowell, Kitty Pomeroy, Julie Nemecek, Pedro Piccardo, David M. Asher, **Luisa Gregori**

RISK.19

Development of P-CAPT® Filter for Reduction of Prion Infectivity and vCJD Transmission of Red Blood Cell Concentrates

Chryslain Sumian, **Patrick Gurgel**, Iwona Walicka, Nathalie Lescoutra-Etchegaray, Luisa Gregori, Julia Lathrop, Ruben Carbonell, Robert Rohwer, Steve Burton

RISK.20

Residual Protein Contamination and Prion Infectivity After Decontamination of Spiked Surgical Surfaces Using a Cold Atmospheric Plasma Jet

Rodolphe Hervé, Michael G. Kong, Emmanuel Comoy, Jean-Philippe Deslys, Bill Keevil

RISK.21

Thirty-Year Review of Prion Disease Surveillance in the United States

Robert C. Holman, Ryan A. Maddox, Arianne M. Folkema, Arialdi M. Minino, Teresa A. Hammett, Kenneth D. Kochanek, James J. Sejvar, Ermias D. Belay, Lawrence B. Schonberger

RISK.22

Inactivation of Rml Prions Using Gas Plasma Generated by Negative Corona Discharge at Ambient Temperature

Olga Janouskova, Jaroslav Julak, Vladimir Scholtz, **Eva Dvorakova**, **Karel Holada**

RISK.23

High Food Insecurity Rate in South Indian Lake First Nation Community: Traditional Gathering Promoting Country Food Is Strength

Asfia G. Kamal, Shirley Thompson, Maria Mailman

RISK.24

Degradation of Prions by Earthworm Extracts

SangGyun Kang, Jay R. Schneider, Katrina Ellestad, Debbie McKenzie, Judd Aiken

RISK.25

Genetic Analysis of Human Prion Diseases in Brazil from 2005 to 2011

Michele C. Landemberger, Cleiton F. Machado, Helio R. Gomes, Leila Chimelli, Sergio Rosemberg, Ricardo Nitrini, Vilma R. Martins

RISK.26

Sex Effect in Prion Diseases

Corinne Loeillet, Pierre-Yves Boelle, Catherine Lemaire-Vieille, Philippe Naquet, Pierre Chambon, Marie-France Cesbron-Delauw, Alain-Jacques Valleron, Jean Gagnon, Jean-Yves Cesbron

RISK.27

Creutzfeldt-Jakob Disease Among Hispanics in the United States, 1997-2008

Ryan A. Maddox, Robert C. Holman, Arianne M. Folkema, Arialdi M. Minino, Teresa A. Hammett, Lawrence B. Schonberger, Ermias D. Belay

RISK.28

BSE Rapid Tests: can We be Confident About Atypical Types Detection?

Daniela Meloni, Katia Varello, Cristina Casalone, Anne Balkema-Buschmann, Martin Groschup, Aart Davidse, Jan P. Langeveld, Maria Mazza, Francesco Ingravalle, Elena Bozzetta

RISK.29

Specific Risk Material Removal Practices: can we Reduce the BSE Hazard for Human Health?

Daniela Meloni, Danilo Pitardi, Cristiana Maurella, Dolores Di Vietro, Luca Nocilla, Alfonso Piscopo, Elena Pavoletti, Mauro Negro, Maria S. Caramelli, Elena Bozzetta

RISK.30

Brain Delivery of AAV9 Expressing Anti-PrP Molecules Delays Prion Disease Onset in Mice

Fabio Moda, Chiara Vimercati, Ilaria Campagnani, Margherita Ruggerone, Michela Morbin, Giorgio Giaccone, Lorena Zentilin, Mauro Giacca, Giuseppe Legname, Fabrizio Tagliavini

RISK.31

Do Trusting People Worry More or Less About BSE and CWD?

Violet Muringai, Ellen Goddard

RISK.32

Explaining Preferences for CWD Management Strategies

Aye C. Myae, Ellen Goddard

RISK.33

The Political Economy of CWD Testing in the Farmed Deer/Elk Population in Canada

Aye C. Myae, Ellen Goddard

RISK.34

Improved Prion Detection Using Immunoprecipitation and Enhanced Quaking-Induced Conversion

Christina D. Orru, Lynne Raymond, Jason Wilham, Franziska Kuhn, Björn Schroeder, Alex Raeber, Byron Caughey

RISK.36

A Model for CWD Spread in Wild Deer Populations in Alberta

Alexei Potapov, Evelyn Merrill, Margo J. Pybus, David Coltman, Mark A. Lewis

RISK.37

A Rapid and Reliable Screening Test for vCJD Contaminated Blood Products

Franziska Kuhn, Bjoern Schroeder, Jacqueline Schmid, Patrick Mossi, **Alex J. Raeber**

RISK.38

Adult Neurogenesis in Prion Diseases

Aroa Relaño Ginés

RISK.39

SOFIA: an Assay Platform for Ultrasensitive Detection of PrP^{Sc} in Brain and Blood

Richard Rubenstein, Binggong Chang, Perry Gray, Martin Piltch, Marie S. Bulgin, Sharon Sorensen-Melson, Michael W. Miller

RISK.40

Risk Assessment of BSE Introduction in the Russian Federation in Connection with Importation of Cattle from the European Union in 2005-2010

Sergey Rybakov, **Alexander Yegorov**



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RISK.41

The E200K Mutation Correlating with Sporadic Creutzfeldt-Jakob Disease: Clinical and Neuropathological Data

Gabi Schelzke, Laura de Boni, Maren Breithaupt, Hans Kretzschmar, Inga Zerr

RISK.43

Development of a System Dynamics Model of CWD Transmission

Karen Yee, **Erin Silbernagel**, Cheryl Waldner, Nathaniel Osgood, Trent Bollinger

RISK.44

The Specificity of Scrapie-Induced Changes in the Murine Urine Proteome

Sharon L. Simon, Lise Lamoureux, Imran Tayyab, Viola Ruddat, Catherine Graham, Stefanie Czub, J. David Knox

RISK.45

Novel Treatment for Prion Diseases Shows Efficacy in Scrapie-Infected Mice

Pamela J. Skinner, Hyeon O. Kim, Nikilyn Kinzel, Katherine Olson

RISK.46

Exogenous Prion Infectivity Removal by Macopharma Combined Leukocyte and Prion Removal Prototype Filter

Nathalie Lescoutra-Etcheagaray, Emmanuel Comoy, **Chryslain Sumian**, Iwona Walicka

RISK.47

Comparing the Risks from Prion Diseases Against Food Insecurity in Northern Manitoba's Rural Communities

Shirley Thompson

RISK.48

Comparative Analysis of Cerebrospinal Fluid Markers and Magnetic Resonance Imaging Changes in Sporadic Creutzfeldt-Jakob Disease

Daniela Vargas, Arne Blecken, Inga Zerr

RISK.49

Creutzfeldt-Jakob Disease in Canada, 1998-2009

Zheng Wang, Gerard Jansen, Elina Olsen, Stacy Sabourin, Rolande D'Amour, Tim Connolly, Jennifer Kruse, Neil Cashman, Michael Coulthart

RISK.50

Investigating Dental Treatment as a Possible Risk Factor for Variant Creutzfeldt-Jakob Disease (vCJD) in the UK

Dawn Everington, Andrew Smith, Pauline Watt, Fiona Ord, Anna Molesworth, **Robert Will**, Hester Ward

RISK.51

Immuno Quantitative Method for Detection of Prion Protein in Spinal Cords and Skeletal Muscles in Korean Cattle, Hanwoo

Inbeen Yim, Jeongmin Lee, **Hee-Jong Woo**

RISK.52

Novel Polymorphism of the PRNP Gene in Mexican Creole Goats

Rosa Xicohtencatl, Paula Stewart, Wilfred Goldmann, Alberto Ramirez, Fabiola Rodriguez, Ramses Cuautle, Nora Fernandez, Ana F. Sandoval, Fausto Sanchez

RISK.53

Cerebrospinal Fluid Markers in Creutzfeldt-Jakob Disease

Gianluigi Zanusso, Michele Fiorini, Salvatore Monaco

RISK.54

Designer Antibodies for Neurodegenerative Disease Research and Therapy

Kyle Doolan, **David Colby**