

## Contents

DETLEV RIESNER	
Introduction .....	9
<b>I. Lessons from History</b>	
1 ROBERT A. SOMERVILLE	
How humans assist the spread of Scrapie .....	13
2 JOEL A. PEDERSEN and ROBERT A. SOMERVILLE	
Why and how are CWD and Scrapie sometimes spread via environmental routes? .....	19
3 PAUL BROWN	
Kuru and iatrogenic Creutzfeldt-Jakob disease .....	39
4 RAY BRADLEY and PAUL BROWN	
The epidemic of Bovine Spongiform Encephalopathy (BSE) in the United Kingdom (UK) .....	53
5 ROBERT WILL	
Variant Creutzfeldt-Jakob Disease as a threat to populations .....	81
6 CAROLINE LACROUX, SYLVIE L. BENESTAD and OLIVIER ANDRÉOLETTI	
TSE agents in farmed ruminants' milk .....	87
<b>II. Nature of the Agent and the Strain Issue</b>	
1 HENRIK MÜLLER and DETLEV RIESNER	
Nature and stability of prions and influence of prion species and strains .....	101
2 MARTIN H. GROSCHUP, ANNE BALKEMA-BUSCHMANN and GIANLUIGI ZANUSSO	
Atypical strains and unpredictable features .....	119
<b>III. Solutions</b>	
1 JEAN-PHILIPPE DESLYS and EMANUEL COMOY	
Avoidence of risk material from animal feed and human food .....	133
2 FRANCO CARDONE, PAUL BROWN, SILVIA GRAZIANO, ROBERTA GALENO, MARCO SBRICCOLI, RICHARD MEYER and MAURIZIO POCCHIARI	
Ultra-high pressure inactivation of prion-infected biological substrates .....	149

3	MARC TURNER	
	Blood and Blood Components .....	159
4	BENOÎT FLAN, MARC MARTIN and JEAN-HUGUES TROUVIN	
	Plasma derived products and the challenges in the spiking materials and validation studies .....	167
5	SOL RUIZ and ALBRECHT GRÖNER	
	Pharmaceuticals .....	195
6	HENRIK MÜLLER and DETLEV RIESNER	
	Fat products .....	213
7	HENRIK MÜLLER and DETLEV RIESNER	
	Risk Assessment for the Biodiesel Production Process .....	227
8	<b>Medical Devices</b>	
	MICHAEL BEEKES	
	Experimental studies on the decontamination of surgical instruments and medical devices from prions .....	233
	RODOLPHE HERVÉ and CHARLES WILLIAM KEEVIL	
	Quantitative analysis on the removal of proteins and prions from medical devices .....	245
9	<b>Clinical Aspects</b>	
	WALTER J. SCHULZ-SCHAEFFER	
	Germany .....	255
	ANNA LADOGANA	
	Italy .....	267
	HESTER J.T. WARD	
	United Kingdom .....	277