

NEUREX WORKSHOP

DEC. 2ND, 2016, STRASBOURG FRANCE



AIR POLLUTION AS AN ENVIRONMENTAL RISK FACTOR FOR BRAIN DISEASES: THE NEUROINFLAMMATORY HYPOTHESIS

CHAIRMAN & DISCUSSION LEADER SESSION 1

INTRODUCTION: AIR POLLUTION & NEURO-DISORDERS

Peter Spencer, Portland, OR (USA)

TOXICOLOGY OF AIR POLLUTION Alison Elder (NY, USA)

- Definition of the various types of pollutants: PM, NP, ozone, etc.
- Concepts of (nano)toxicology
- Portals of entry of Particles into the brain

BRAIN ENTRY & POTENTIAL NEUROLOGICAL EFFECTS OF FINE AND ULTRAFINE PARTICLES: A CRITICAL UPDATE Annette Peters (Neuherberg, Germany)

CHAIRMAN & DISCUSSION LEADER SESSION 2: PETER SPENCER, PORTLAND,

INTRODUCTION: UPDATE ON THE CONCEPT OF NEUROINFLAMMATION

(Michele Block, Richmond, Virginia, USA)

ENVIRONMENTAL POLLUTION: THE CHALLENGING SHIFT FROM EPIDEMIOLOGY TO NEUROEPIDEMIOLOGY

- (Neuro)inflammatory markers in humans and animals exposed to pollution: potential relevance to Parkinson's and Alzheimer's disease
Lilian Calderon (Missoula, (Montana, USA))
- Genetic alterations induced by pollutants: relevance for Parkinson's disease
Beate Ritz (LA, CA)

PATHOPHYSIOLOGICAL MECHANISMS INVOLVED IN ENVIRONMENTAL TOXICOLOGY

Nov. 30th, 2016
Dec. 1st, 2016

Meeting of the SFSE & the scientific consortium (CNE/ENRG-WFN/EAEH)
Meeting of the scientific consortium

- **Epigenetic mechanisms involved in lead toxicity: relevance to AD**
(Nasser Zawia, Rhode Island, USA)
- **Activation of PRRs on microglia: a role in triggering neuroinflammation?**
(Michele Block, Richmond, Virginia, USA)

PERSPECTIVES ON OTHER NEUROLOGICAL DISORDERS : ROUND TABLE

Organizers: Dr Pascale Piguet (Basel) & Dr Jacques Reis (Strasbourg)