



# ÇEVRE VE NÖROLOJİ (ENVIRONMENT AND NEUROLOGY)

KURS -1

## ÇEVRESEL FAKTÖRLER VE NÖROLOJİK HASTALIKLAR (ENVIRONMENTAL FACTORS AND NEUROLOGICAL DISORDERS)

Toplantı Yeri:  
Selçuk Üniversitesi  
Müze Binası Toplantı  
Salonu  
Toplantı Tarihi:  
6 Aralık 2023  
09.20-12.30

**MODERATÖR:** Prof. Şerefnur Öztürk

Selçuk Üniversitesi Tıp Fakültesi Nöroloji AD, WFN Environmental  
Neurology SG Başkan Yard.

**KONUŞMACI:** Prof. Jacques Reis

MD, PhD, Prof Conv. University of Strasbourg, Former chair of the ENSG,  
WFN Environmental Neurology SG Member



### ● PROGRAM

09.20-09.30 Açılış

09.30-09.55 Introduction to Environmental Health and Neurology  
(some concepts, One Health, exposome, DOHaD, epigenome)

10.00- 10.25 Environmental Neurotoxicology, a clinical perspective.

10.25-10.45 Kahve arası

10.45- 11.10 Prion diseases and One Health

11.15-11.40 What Neurologists should know about Global Environmental  
Changes. Climate change and health risks. What happens to sleep?

11.40-12.30 Müze gezisi (Selçuk Üniversite Müzesi)



# Full Program

- **09.30-09.55 Introduction to Environmental Health and Neurology**
- Historical notes
- E. Neurology: specificity, comparison with E. Health, diagnosis
- What is the Environment: Einstein, E. factors,
- Environmental Biology: Adaptation and Vulnerability
- Addressing the Environment: Genetic Epidemiology and Exposome
- Key concepts: Causality, Complexity, Risk, Uncertainty
- **10.00- 10.25 Environmental Neurotoxicology, a clinical perspective.**
- Living in a chemical world: a global and diffuse contamination
- Natural history: onset and evolution
- Diagnosis of acute cases: context, biomarkers, general signs
- The Landrigan-Grandjean curve
- Epidemiology of intoxications and ALS cluster: case-studies
- Prevention and treatments
- Bioaccumulation and bio amplification: Minamata
- Chemicals, origin does not matter: natural/synthetic
- Susceptibility
- DOHaD, when exposure's chronology matters
- **10.45-11.10 Prion diseases and One Health**
- Kuru: the perfect history illustrating the holistic approach of the cause
- From Kuru's history to the Prion's hypothesis
- Animal BSE and CJDv
- A fabulous discovery which questions neurodegenerative diseases
- Prions disease, still a public health concern for veterinarians, only?
- One Health
- **11.15-11.40 What Neurologists should know about Global Environmental Changes. Climate change and health risks. What happens to sleep?**
- Global changes: a concept from the Earth Sciences
- The planetary level, global changes and air pollution
- Health concerns and global climate changes
- Heat and heatwaves in Turkey
- Sleep, stages, activity, thermoregulation metabolic, clearance changes
- Neurological patients and warming