Lymphocyte micronucleus and buccal micronucleus cytome assays for Human and Environmental Monitoring

HUMN and HUMNxl Workshop

11-14 November Porto Alegre, Brazil

Organized by

Dr. Juliana da Silva and the HUMN/HUMNxl Project Group

Laboratory of Environmental and Genetic Toxicology

Postgraduation Program in Cell and Molecular Biology Applied to Health (PPGBioSaude)

Universidade Luterana do Brasil- ULBRA

Day 1: Lymphocyte cytokinesis-block micronucleus cytome assay

- Opening Ceremony
- Morning: Lectures on theory and application
  (Micheline Kirsch-Volders, Stefano Bonassi, Michael Fenech)
- Afternoon: Practical demonstration

Day 2: Buccal micronucleus cytome assay

- Morning: Lectures on theory and application
  (Claudia Bolognesi, Siegfried Knasmueller and Nina Holland)
- Afternoon: Practical demonstration

Day 3: New developments

- Automation of micronucleus (MN) assays (Micheline Kirsch-Volders, Claudia Bolognesi)
- MN-associated gene expression (Jos Kleinjans)
- MN in clinical practice and preventive medicine (Michael Fenech)
- Prospective study on buccal micronuclei and disease (Stefano Bonassi)
- Debate: Micronuclei as biomarkers of exposure or biomarkers of effect? (Stefano Bonassi, Siegfried Knasmueller, Micheline Kirsch-Volders, Michael Fenech)

Day 4: Closing event

“Talking with researchers”