



# RENEB – Realizing the European Network in Biosimetry– solution to enhance positive radiation perception in the European society

Sylwester Sommer

Institute of Nuclear Chemistry and Technology Warsaw

Poland

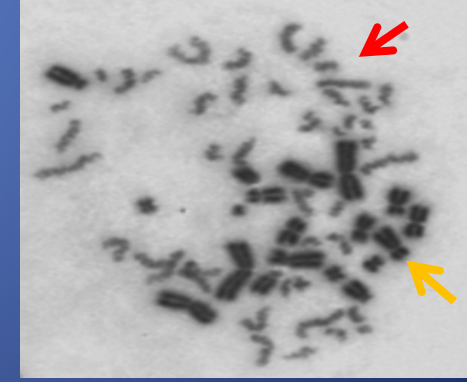
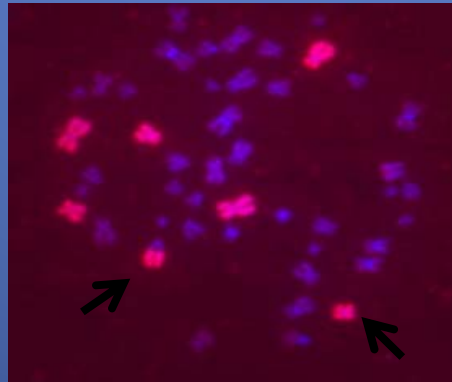
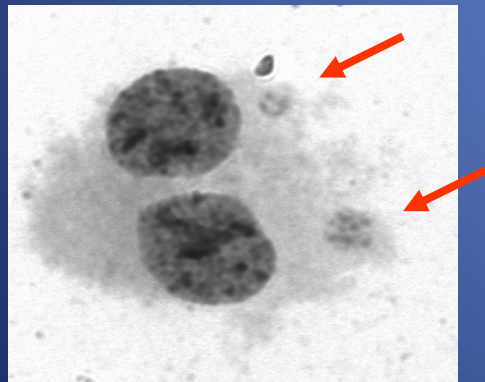
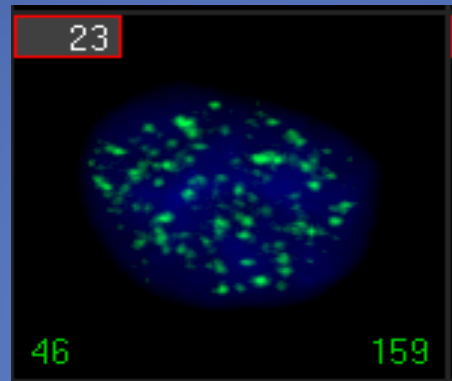
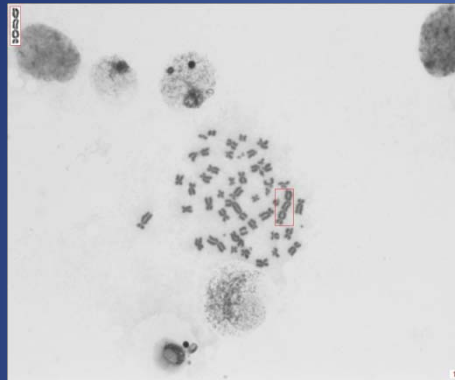
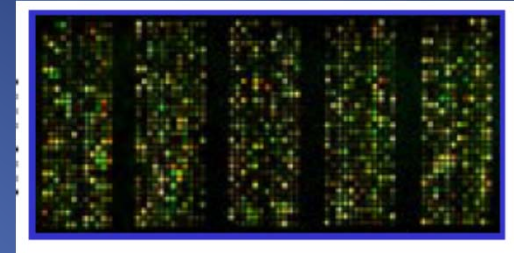
# What is biological dosimetry?



**RENEB**

Realising the European  
Network of Biodosimetry

# Variety of methods





## 2 main limitations

- Dose range is limited from 100 mSv till 20-30 Sv – so no low doses range and it is not so accurate when there is low rate dose;





22 partners from 15  
European countries  
and 4 candidate labs



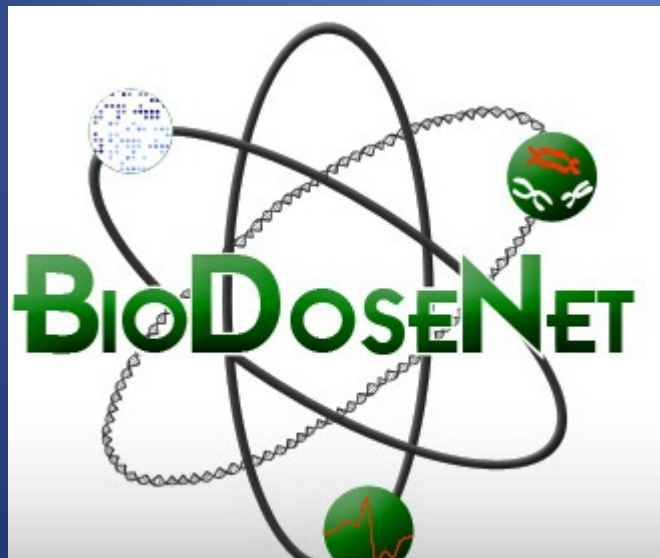
**RENEB**

Realising the European  
Network of Biodosimetry





- ❑ The biggest analysing capacity more than 1000 samples a week in a triage mode;
- ❑ The most active and lively;



**RANET**

# Additional value of RENE B

- Expertise in radiation biology;
- QM & QA by intercomparisons and unification of working protocols;
- Huge analytical capacity in some aspects of molecular biology and cytogenetics;



# Enhancing a positive radiation perception

Authorities



Risk communication

Society