

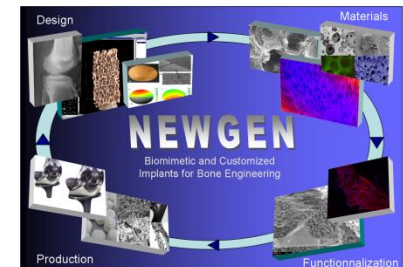


- **Complete denomination:** Institute of Experimental Morphology, Pathology, and Anthropology with Museum – Bulgarian Academy of Sciences
- **Location (city, country):** Sofia, Bulgaria
- **Director:** Prof. Nina Atanassova, PhD. DSc
- **Contact person in NEWGEN:** Assoc. Prof. Radostina Alexandrova, PhD, rialexandrova@hotmail.com
- **Working Group involvment:** WG4
- **Members involved:** 6 persons – 1 Assoc. Prof., 1 post doc, 4 research assistants (two of them PhD students)
- **Research topics:** In vitro biocompatibility assessment of new materials for bone implants
- **Researchers expertises:** in the field of:

- Cell biology and pathobiology
- Immunology
- Virology

### IEMPAM-BAS

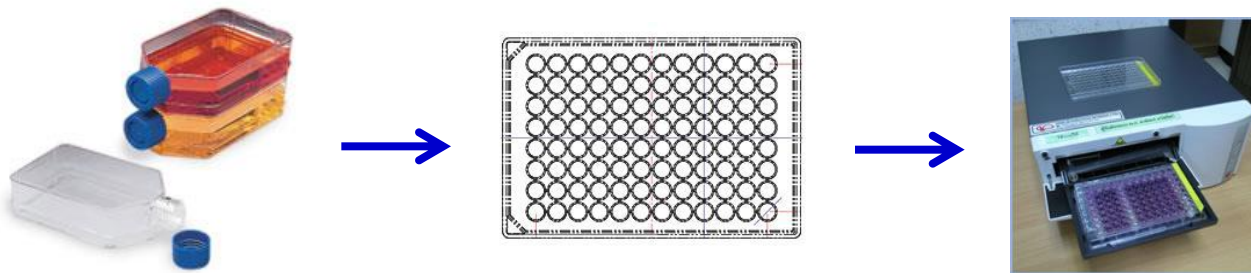
Inst. Exp. Morph. Pathol.  
Anthropol. Museum -  
Bulg. Acad. Sci  
Acad. G. Bonchev Str., Bl.25  
Sofia 1113, BULGARIA



**COST Action MP1301**

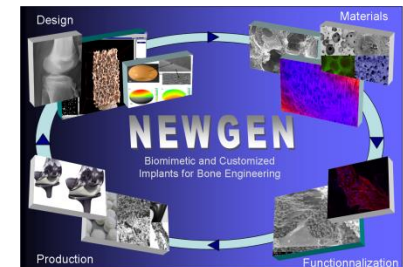
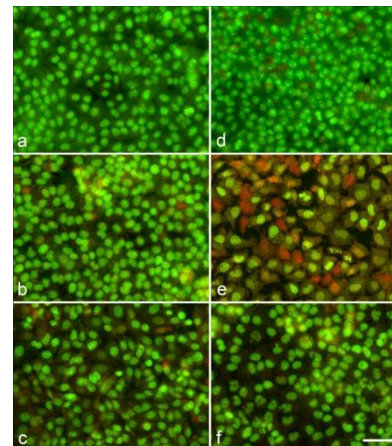
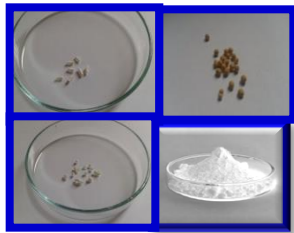
## Evaluating effect of the compounds on:

- ✓ Cell viability and proliferation;
- ✓ Replication of human herpesviruses (HSV-1, HSV+2).



## Model Systems:

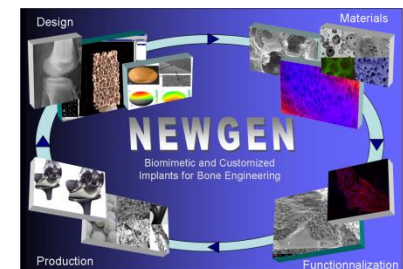
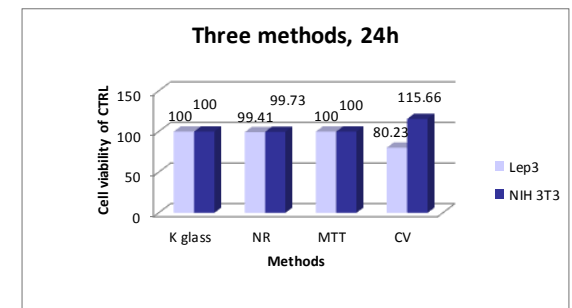
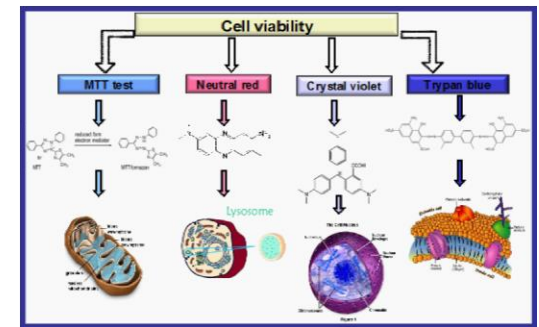
- Murine, rat, bovine, human cells;
- Primary cultures and permanent cell lines;
- Fibroblasts, embryonic and bone marrow cells, mesenchymal stem cells, primary cultures from bone explants., etc;
- Tumor (i.e. breast cancer) and non-tumor cells.



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## Methods with different cellular/molecular targets and mechanism(s) of action:

- MTT test;
- Neutral red uptake cytotoxicity assay;
- Trypan blue dye exclusion technique with automated cell counter;
- Crystal violet staining;
- Double staining with acridine orange and propidium iodide;
- FACS;
- Method of Reed and Muench;
- Electron microscopy, etc.





### Investigations in the field of:

- Cell Biology
- Biochemistry and Molecular Biology
- Virology
- Immunology

- Equipment for cell and tissue cultures, cell and viral banks;
- Electron microscopes (transmission and scanning);
- Light and fluorescent microscopy;
- ELISA reader;
- Apparatus for electrophoresis and blot-techniques, HPLC apparatus, spectrophotometer, centrifuges, ultracentrifuges
- PCR, Real time PCR...

