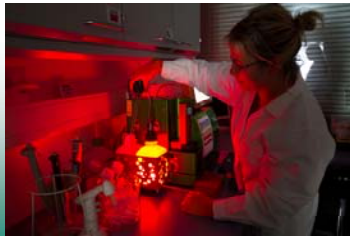


# Special Technologies

## Cell Biology

2D & 3D cell culture of

- Tumor cells
- Stem cells



## Radiation

Faxitron® Multirad 160

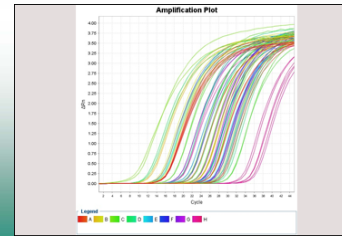
- Treatment of tumors
- Immunesystem depletion



## Molecular Biology

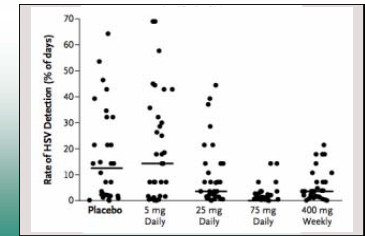
Gen expression analysis  
Illumina MiSeq®

- rt-PCR / Micro-Arrays
- NGS-Sequencing



## PK / PD Studies

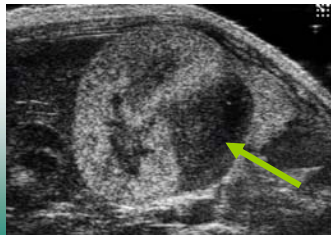
- compatibility & toxicity of drug candidates
- distribution of substance
- approval for work with radioactive isotopes



## μ-Ultrasound

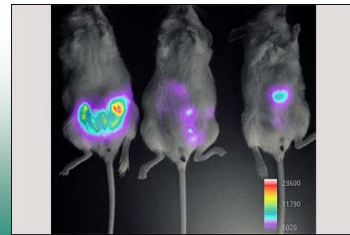
Vevo® 2100 system

- Visualization & US-guided transplantation of orthotopic tumors



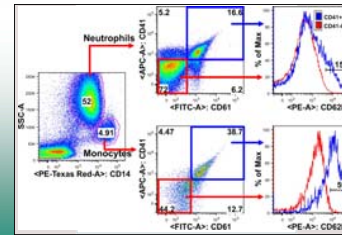
## Bioluminescence

- in vivo monitoring for orthotopic tumors



## FACS

- detection & characterization of tumor & stem cells
- immunophenotyping of blood, organs & tumor



## Pathology

- Autopsy & histopathology
- WB, IHC

