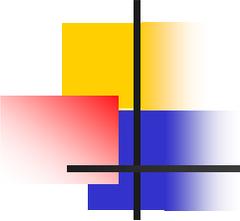


Retroviral Vectors: Topics for Future Presentations and Discussions

Series of Interim Discussions at RAC Meetings

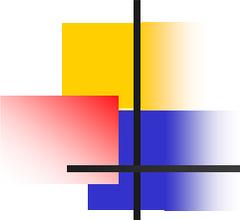
- At the December 2002 RAC meeting, RAC members proposed a list of many issues from different fields for possible discussion at a future safety symposium.
- To allow the RAC to explore some of these issues in the interim, one or two topics could be discussed per meeting.
- These discussions could inform the selection of topics for future safety symposia.



Retroviral Vectors: Topics for Future Presentations and Discussions

Potential Topics Vectors

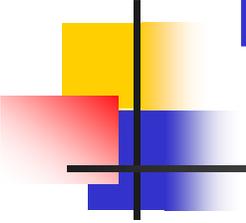
- State of the art of retroviral vectors:
 - Safety modifications: SIN, tissue specific promoters, suicide transgenes, chromatin insulators, etc.
 - Status of basic research into targeted integration
- Issues of adopting new vector technology into the clinic
- Alternative integrating vectors (e.g., transposon, phage integrase)



Retroviral Vectors: Topics for Future Presentations and Discussions

Potential Topics Target Cells

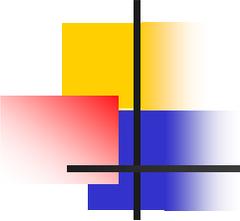
- Stem cell issues
- Other cell types
 - selective advantage
 - cell persistence
- Determination of transduction level or vector copy number that increases efficacy and decreases oncogenicity.



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Other Potential Topics

- Integration preferences of different retroviruses (e.g., recent MLV study by S. Burgess)
- Animal Models
 - appropriate large animal models
 - models for specific diseases
- Specific study issues:
 - Risk:benefit determination
 - Marking studies



Retroviral Vectors: Topics for Future Presentations and Discussions

What topics would the RAC like to discuss first?