

# ORIGINAL BIOTECHNOLOGIES AND AGENETS IN GENE THERAPY AND REGENERATIVE MEDICINE

Gene/Viral Therapy vectors for potently and safely treating cancer et. al

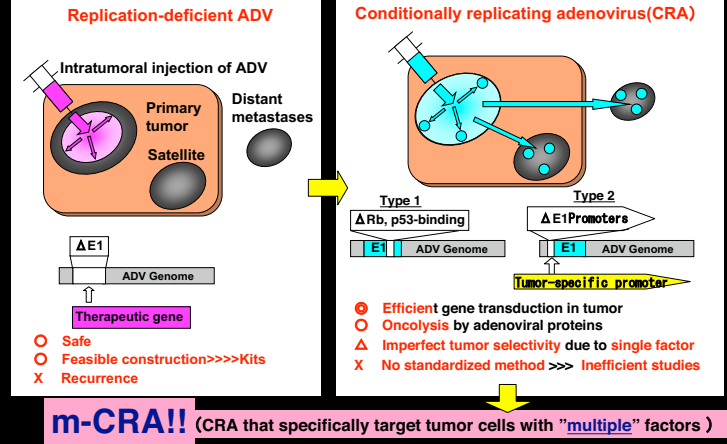
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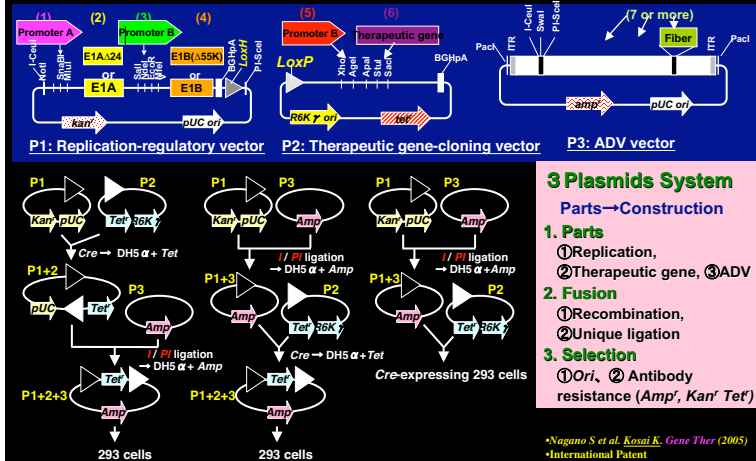
(Secondary appointments)

1. Visiting Professor, Cognitive and Molecular Research Institute for Brain Diseases Kurume University
2. Visiting Professor, St. Mariana Medical College
3. Gifu University School and Medicine

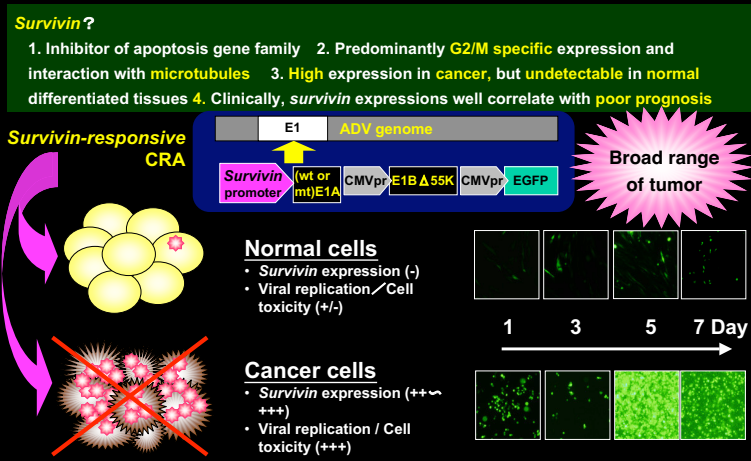
## Cancer Gene Therapy Using Replication-Deficient Versus Replication-Selective Adenoviruses



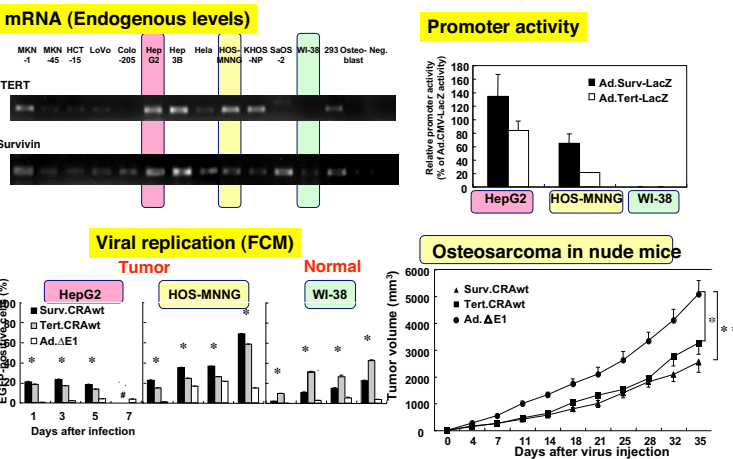
## Constitution and Construction of m-CRA



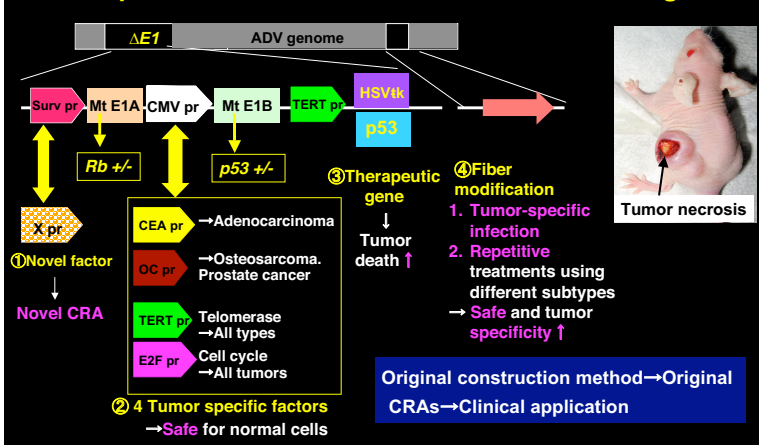
## Survivin-Responsive CRA Replicates in Tumor-Specific Manner



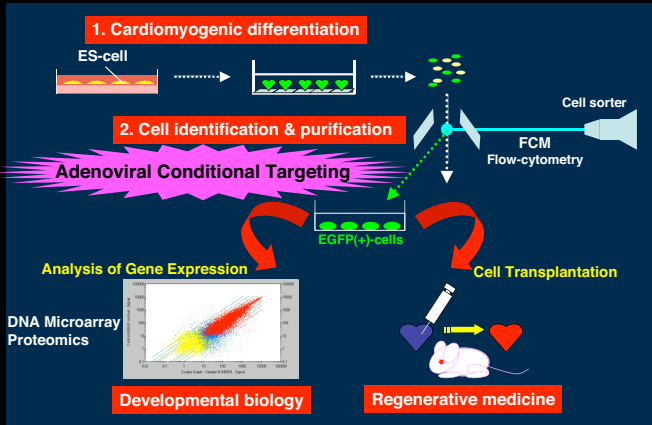
## Surv.CRA Elicits More Tumor-Specific Killing Than Tert.CRA



## Enormous Potentials of Our Method to Efficiently Develop and Improve m-CRAs for Innovative Anti-Cancer Agents

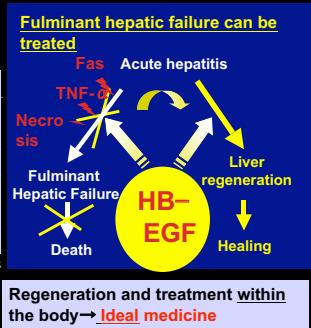
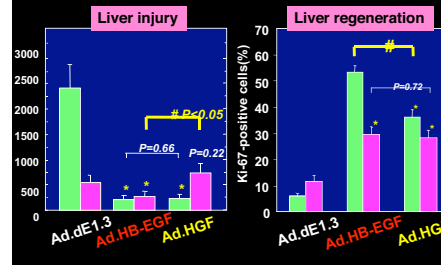


## ES Cell-based Regenerative Medicine And Developmental Biology



## 3. HB-EGF for Treating Liver Disorders

### Regenerative Medicine



**HB-EGF is more potent than HGF**  
**→ A novel therapeutic agent for liver diseases**

NC Khai et al. & Kosai K. J Hepatol (2006)