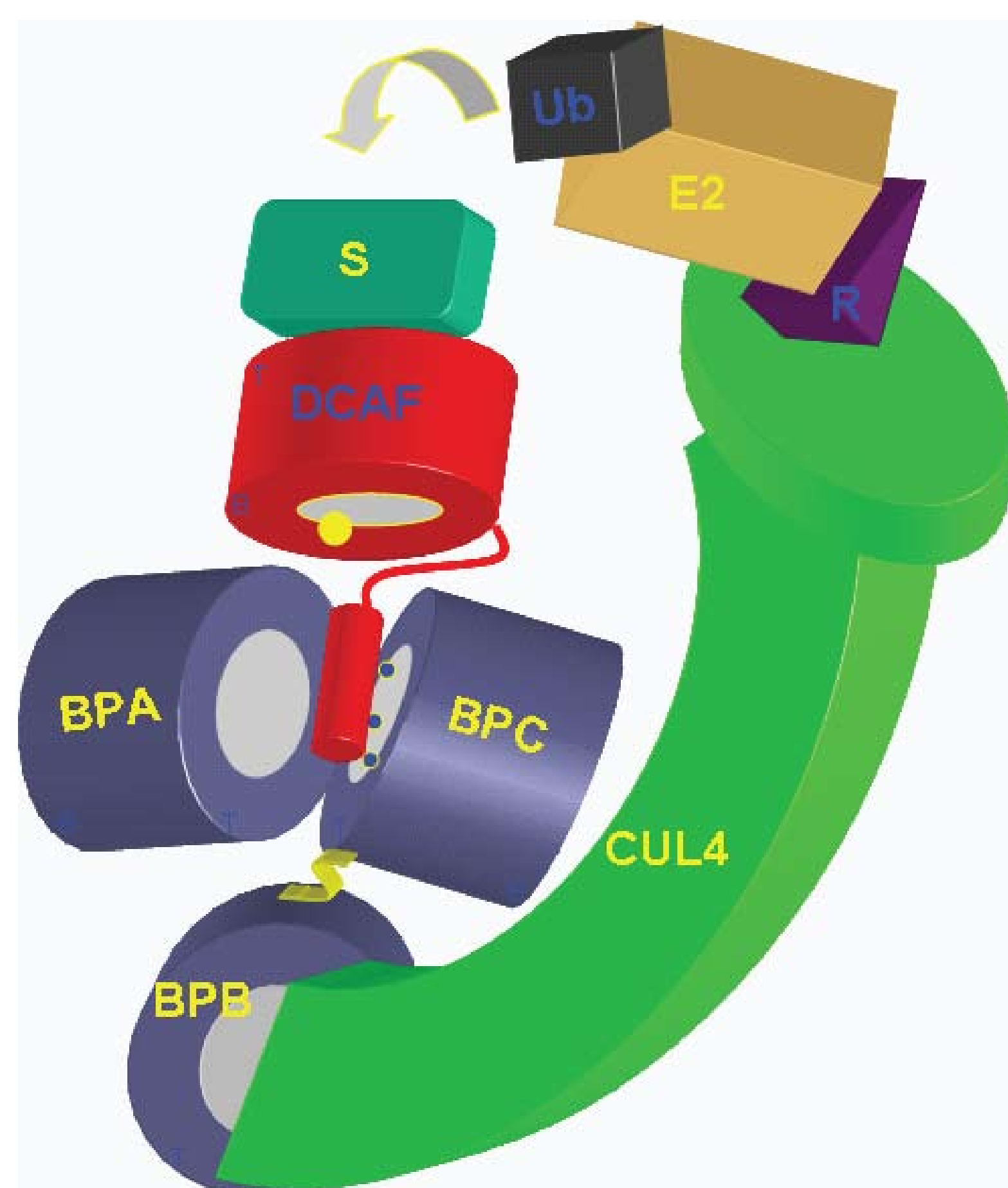


Objectives:

Reparo Therapy Inc. is seeking development partners and investors to develop DNA repair enhancing consumer and clinical ingredients and products including DNA repair enhancing cream that treats sunburn and prevent skin cancer, DNA repair enhancing nasal spray for lung cancer prevention, and DNA repair enhancing anti-aging cosmeceuticals.

Enabling Discovery:

Reparo is founded on a discovery made at Weill Cornell Medical College that inhibition of CUL4-Ubiquitin Ligase increases the life time and activity of an important Nucleotide Excision Repair (NER) enzyme and, therefore, enhances the ability of cells to repair DNA damages caused by UV or chemical carcinogens.



CUL4-Ubiquitin Ligase

Disease States Associated with Defective NER

Cancer

- skin cancer
- lung cancer

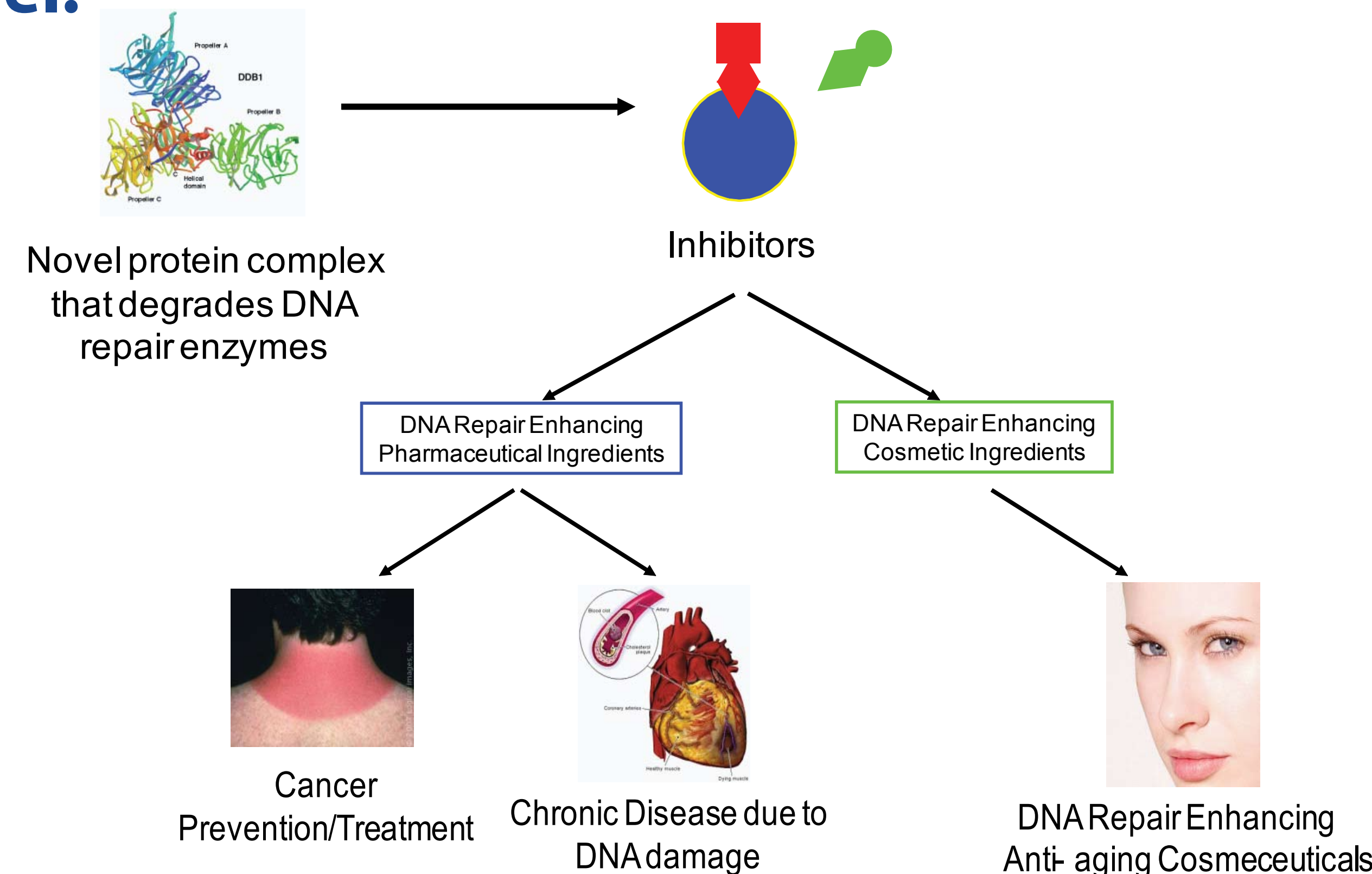
Aging

- unrepaired or misrepaired DNA lesions
- age-related decrease of DNA repair capacity

Chronic diseases

- heart diseases
- diseases of the arteries
- neurological disorders

Business Model:



Commercial Opportunities:

- Therapeutics to prevent and/or treat UV- or chemical- induced cancers of the skin, lung and Esophagus.
- Therapeutics to prevent and/or treat environmental Pollutants- induced chronic diseases of the heart, arteries and the neurologic system.
- Skin care products to protect against UV- or chemical- induced skin aging.

Market:

Products	DNA Repair Enhancing Nasal Spray	DNA Repair Enhancing Sun Tan Lotion	DNA Repair Enhancing Moisture Creams	DNA Repair Enhancing Cosmeceuticals
Targeted Consumers	smokers & health conscious non-smokers	people who use tanning beds	general consumers	general consumers
Key to Market	Price, FDA regulation	Price, FDA regulation	Price	Price
Market Competition	Very low	Low	Very low	Medium
Market Size	In 2006, ~25M adults smoke more than 25 cigarettes per day in the US.	~30 million people tan indoors in the U.S. every year.	More than one million skin cancers are diagnosed annually in the US.	In 2006, the global sales of cosmetics and toiletries was over \$253 billion.

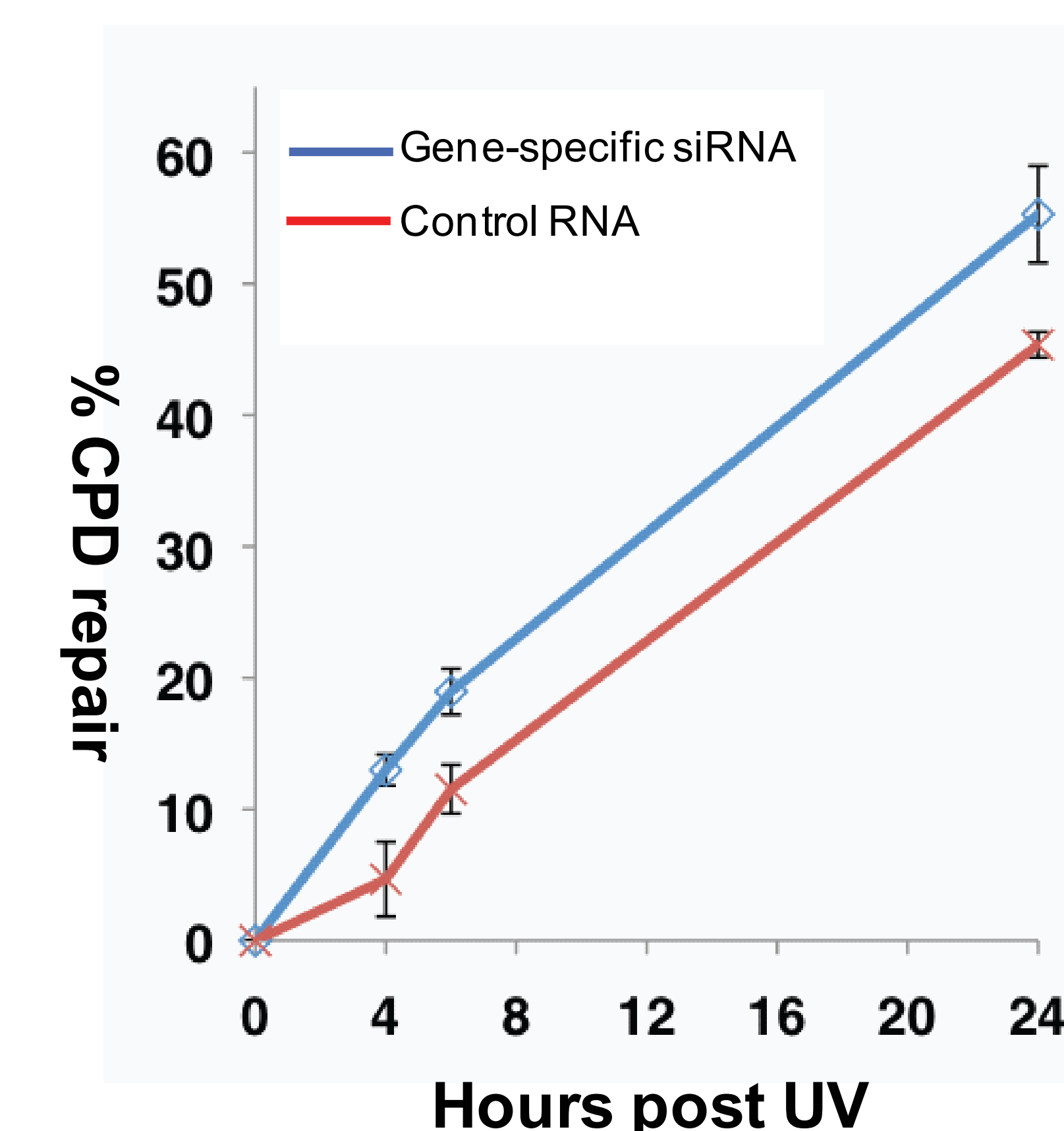
Competitive Advantages:

- Targeting novel protein complex that degrades DNA repair enzymes make it possible to use inhibitors to enhance DNA repair.
- One active ingredient may provide protection for UVA, UVB, and chemical carcinogens.
- Strengthen our body's ability to repair DNA damages caused by UV or chemical carcinogens instead of using chemicals to shield the UV.
- Can be incorporated into wide range of products including skin care products.
- No side effect was observed.

Current Status:

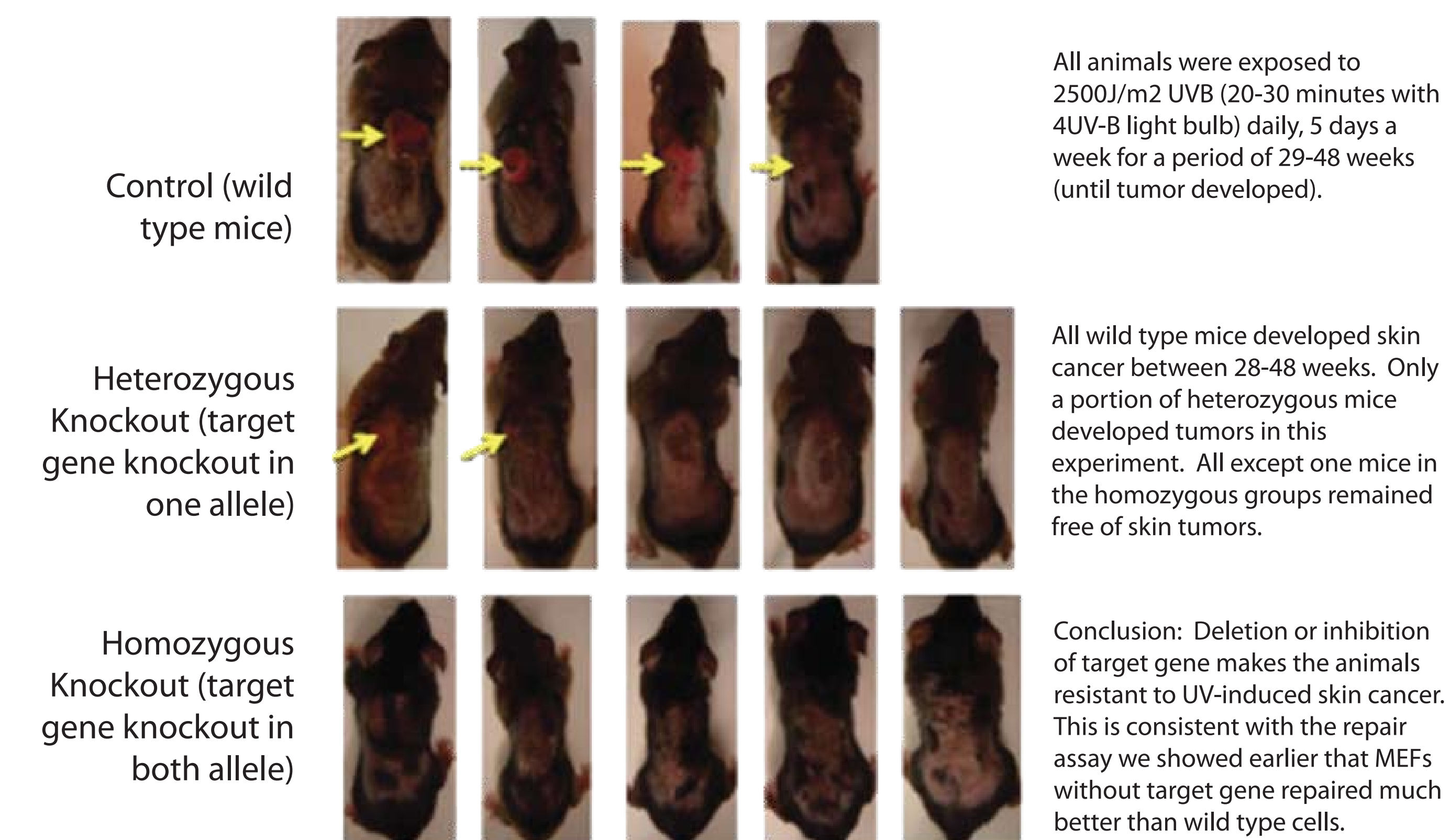
- siRNA against the ligase demonstrated in vitro NER enhancing effects (near-term product opportunities)
- A functional assay has been developed for the efficient screening of ligase inhibitors (long-term product opportunities)
- Patent applications filed to protect the practical utilities of this enabling discovery

siRNA inhibitor of Cul4a enhances NER activity



GG-NER activities of CPD removal were measured in HCT-116 cells infected either with FUGW lentivirus containing siRNA for human Cul4a (siCul4a) or mock virus.

Transgenic Mice with Ligase Gene Removed are More Resistant to UV-Induced Skin Carcinogenesis



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