

# Question 1:

## Burn research priorities

Survival

Function

Cosmesis

### A. Major burns

- A. Still relevant even with <3-5% burns >50%TBSA
- B. Need for an immunological neutral skin substitute

### B. Indeterminate depth burns

- A. Keratinocyte biology
- B. Augment migration and proliferation

### C. Donor sites Still the achilles heel

- A. Keratinocyte biology
- B. Augment migration and proliferation

### D. Scarring

- A. # 1 problem for our patients
- B. Tissue engineering needs for epidermal appendages

# Question 2:

## Development of standardized tools

- A. How do we evaluate wound depth?
  - A. Clinical need relevance
  - B. Research tool
- B. How do we define healing as an endpoint?
  - A. Is 95% epithelialized or 100% epith an endpoint
  - B. Do we need to include late scar effects in trials?
- C. How do we evaluate late complications of healing?
  - A. Vancouver scar scale - is it adequate

# Question 3:

## Identify obstacles to achieving goals

A. Wound models?

Need to use the model that answers the right question!

Animal models

- A. Do they reflect human response to injury
- B. Can they be used as surrogates to define effect of early wound on late scar formation

Human wound models

- A. Is a donor site model the same as a graft take model? NO!
- B. No shortage of human wounds: lends itself to multi center clinical trials

# Question 3:

## Identify obstacles to achieving goals

- A. Novel treatment modalities?
  - A. Need to develop clinically significant endpoints
  - B. Industry limitations on interest in the burn market compared to other wounds
  - C. HBO
  - D. Topical nutrients
- B. Delivery systems?