Regenerative Medicine Partnership in Education

NCRR/NIH SEPA Grant Number - 7 R25 RR020403-02

2005 - 2010

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Regenerative Medicine - The Future of Health

Planetarium Shows, Home Videos & Educational World Wide Web Resources

John Pollock is collaborating with the Department of Journalism and Interactive Media at Duquesne University, and the Carnegie Science Center among other key institutions in Pittsburgh. The project is aimed at developing unique educational programs focusing on regenerative medicine and health care of the future.

The centerpiece of the project will be a series of innovative planetarium shows - Regenerative Medicine: The Body Healing Itself. Each show will bring together technology and the arts to communicate four specific elements of information: (1) the basic biology of the tissue or organ of interest, (2) what goes wrong with disease or trauma, (3) what is the basis of current medicine and (4) how will the body heals itself through regenerative medicine.

The film projects will be developed in several formats and for several distinct target audiences. Up to three films will be produced each year.

First, the principal films will be developed for ‘all dome’ high definition video projection in science center planetariums. Films will be produced for children and school groups with different film editions made for different age ranges, young learners (4 - 6 year olds) and distinct formats for K-12. For the children’s films, the central focus will be on how the body works, how it grows and how it heals.

Additionally, films will be produced for adult audiences where the focus will include issues of health literacy and will help the viewer understand a disease and understand how to talk to caregivers.

All films will highlight the stories of current biomedical research.