

## Who we are

The Community Engagement and Education Core of the Center for Male Reproductive Epigenomics (CMRE) is located and operated through the Lundquist Institute for Biomedical Innovation at Harbor UCLA Medical Center.

The Lundquist Institute has served the under resourced in its community for more than 50 years. Our programs provide a direct benefit to more than 100,000 men, women, children and families each year who are at risk of preventable disease or medical neglect.

## CMRE presents programs addressing health issues related to obesity and reproductive health in men.

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*Together Everyone Achieves More*

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We are thankful for our community partnerships

### Contact Us:

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**HEALTHY LIFESTYLE  
HEALTHY SPERM  
HEALTHY CHILDREN**

**Center for Male Reproductive Epigenomics**

# Community Engagement and Education Programs

Our Community Engagement and Education Core provides support for activities devoted to community outreach, sharing of evidence based knowledge, and education focusing on high school and college students.

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## *Healthy Lifestyle | Healthy Sperm | Healthy Children*

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Our goal is to increase community awareness that an unhealthy diet and lack of physical activity can not only lead to obesity and its complications in an individual man, but can also alter his sperm in a way that can be passed on to the next generation. This may increase the risk of obesity, diabetes, heart disease and stroke in his children.

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***EPIGENETICS** is the study of how environment, nutrition and social conditions affect how genes are expressed.*

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## **Outreach and Education**

The CMRE sponsors a series of conferences to: Foster the transfer of knowledge between community and academic partners. Increase community understanding of the effects of unhealthy lifestyles on male reproductive epigenomics including effects on future generations. Increase community involvement in dissemination of information. Provide researchers with insights into community challenges & priorities. Build bridges to optimize knowledge transfer.

## **Train the Trainer**

The CMRE engages local schools and colleges using workshops on healthy lifestyle and reproductive health. Workshops will include how epigenetics are linked to risk of obesity and its complications in subsequent generations. Community-Academic members will develop workshops to train students to become proficient in educating others as part of our “train the trainer model”.

## **Summer Fellowship**

The CMRE promotes a “Healthy Lifestyle - Healthy Sperm - Healthy Children” theme through engagement of students in classes, demonstrations and hands-on experiments in science training. This will be conducted through The Lundquist Institute Summer Fellowship Program. Our scientists explain gametes (sperm and eggs), fertilization, and genetic and epigenetic inheritance through “storytelling”.

## **Website**

The CMRE is developing a community friendly website to share information on the role of epigenomics in reproductive health and the impact of sperm epigenomics on the health of children.

