FACULTAD DE MEDICINA
PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE
U21 Health Sciences
Summer School 2016 overview

“Early critical windows of preventive interventions”

Marcelo Farías, Marcela Grez, Jorge Carvajal
PUC Team

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U21 Health Sciences Group
Summer School

ANNUAL TWO WEEKS INTERDISCIPLINARY COURSE FOR UNDERGRADUATE HEALTH SCIENCES STUDENTS

Summer School 2014
The University of Auckland - 7-18 July 2014
"Substance Misuse Studies: A Harm Reduction Approach"

Summer School 2015
Tecnológico de Monterrey - 6-18 July 2015
"Vulnerability, low budget healthcare"

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Early critical windows of preventive interventions
SANTIAGO • CHILE • 2016
Background

DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE

Maternal, perinatal, early childhood factors

Unhealthy diet, lack of exercise, smoking, alcohol, stress, microbiota, pollutants, etc.

What happens in the womb lasts a lifetime

http://www.dohadfordoctors.com

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Shifting our view

DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE

Long term health from a healthy start

Window of opportunity

Preconception-Pregnancy-1000 days

What happens in the womb lasts a lifetime
Early critical windows of opportunity → Health sciences preventive interventions → Reduction of adverse long-term outcomes
Main learning objectives:

1. Developmental plasticity
2. Interdisciplinary interventions
3. Scale-up the benefits
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Examples of early life interventions
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Teaching methodologies

Stimulating student participation

PROBLEM BASED DISCUSSION

BASIC CLINICAL EXPERIENCE

INTERDISCIPLINARY GROUP PROJECTS
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Clinical facilities
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Teaching methodologies

Stimulating student participation

- Problem Based Discussion
- Basic Clinical Experience
- Interdisciplinary Group Projects
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Cultural visits
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• http://u21health.org
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Logo Voting

1. Leaving the 1
2. Leaving the 2
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Public decision about logo
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