International Association of Medical Science Educators

IAMSE Meeting

From Islands to Integration - Identifying the Gaps and Building Bridges

San Diego, CA USA June 13-16, 2015



UC San Diego
SCHOOL MEDICINE
#IAMSE15

Luca Giori, 15 October 2015

THE UNIVERSITY OF TENNESSEE COLLEGE OF VETERINARY MEDICINE DEPARTMENT OF BIOMEDICAL & DIAGNOSTIC SCIENCES

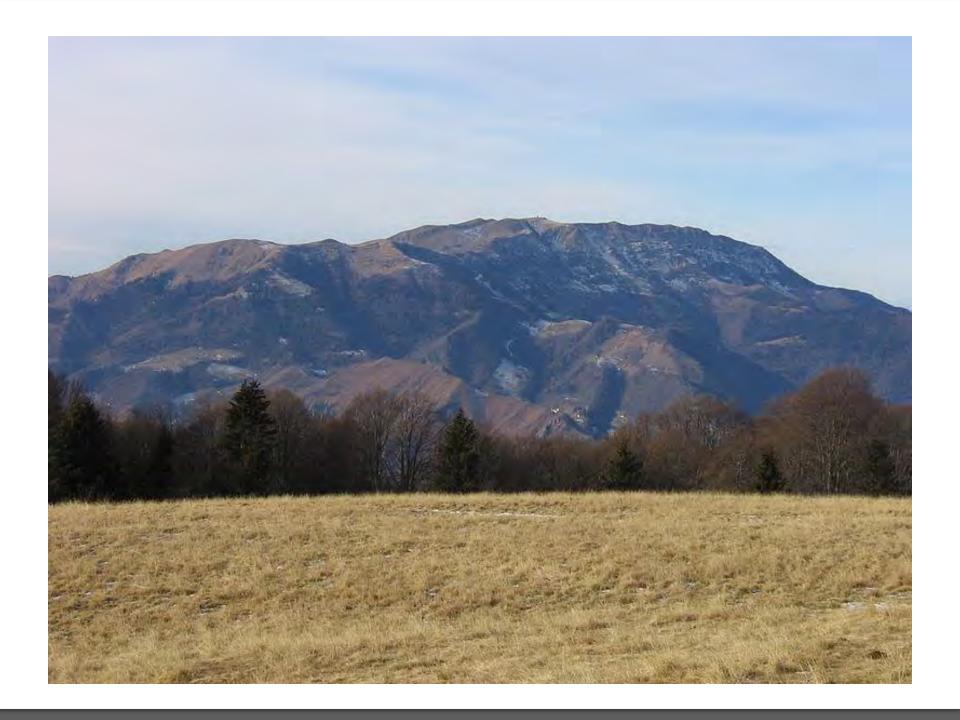


Outline

- IAMSE
- AMEE
- AMEE initiatives
 - ESME courses
- IAMSE meeting San Diego 2015
- Reading your PPT isn't teaching
- IAMSE manuals
 - How to guide for active learning









IAMSE

- International Association of Medical Science Educators
 - nonprofit professional development society organized and directed by medical faculty members
 - Founded in 1997
 - members in over 40 countries
 - basic science and clinical medical faculty
 - other health care disciplines (osteopathic medicine, veterinary medicine)



AMEE

- Association for Medical Education in Europe
 - worldwide organization with members in 90 countries on five continents
 - Founded in 1972
 - teachers, educators, researchers,
 administrators, curriculum developers, deans,
 assessors, students and trainees in medicine
 and the healthcare professions
 - https://www.amee.org/what-is-amee/initiatives



IAMSE & AMEE MISSION

- To advance health professions education through teacher development
- To ensure that the teaching and learning of medical science continues to be firmly grounded in foundational sciences and the best practices of teaching
- To provide multidisciplinary, interprofessional and cross-cultural forums for discussion of issues affecting medical science education and educators
- To promote the sharing of information through networking, conferences, publications and online activities
- To identify improvements in traditional approaches and supporting innovation in curriculum planning, teaching and learning, assessment and education management
- To serve as an international voice to enhance appreciation of the crucial role of medical sciences in health and health care



International Association of

Medical Science Educators

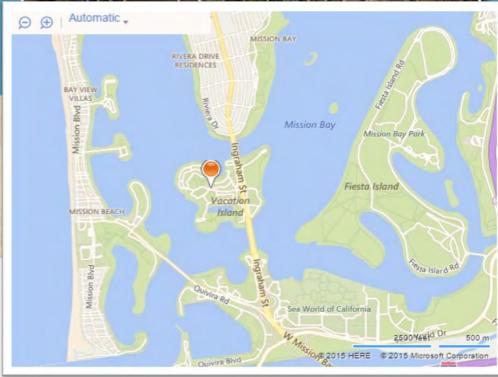
19th Annual

IAMSE Meeting

From Islands to Integration - Identifying the Gaps and Building Bridges

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Program



SAT -all day faculty development course – 4 concurrent sessions

Role of Basic Science in Clinical Decision Making (Integration across all four years) Dr Leslie Fall

process of designing curricular elements to support the continuous integration of foundational sciences and clinical medicine across medical education programs

- 1) the inclusion of clinical reasoning and skills into the more traditionally basic science portions of the curriculum
- 2) meaningful assessments of basic sciences within a clinical context including the use of essay exams for a large class
- 3) a return to basic sciences during clerkship training
- 4) the development of conceptual frameworks to guide integrative curriculum design

Program

SUN-MON-TUE — 1 plenary session — 9 concurrent focus sessions

- Applying the Neuroscience of Learning to Designing Effective Learning Experiences
- Integration Through Collaboration
- The Four Seasons: Learning & Personality Preferences in Interprofessional Healthcare Learning
- Creating Narrated-Animated Videos (NAVs) for Medical Science Education
- Reading you PPT isn't teaching



Reading Your Powerpoint Isn't Teaching

- Deirdre Bonnycastle
 - Clinical Teaching Development Coordinator
 - University of Saskatchewan, Canada
 - http://words.usask.ca/medicaleducation/
- how we can improve our use of technology to engage students in the learning process





Where's the evidence that active learning works?

Joel Michael

Department of Molecular Biophysics and Physiology, Rush Medical College, Chicago, Illinois

There is evidence that active learning, student centered approaches to teaching physiology work, and they work better than passive approaches



If students are not engaged, they probably won't learn. If they are, they might.

Paul T. Corrigan, 2013

HOW TO KICK START YOUR **CLASS WHEN** FACEBOOK IS CALLING?

First You've got to get their attention

- 1. Anonymous opinion polls
- 2. Jigsaw puzzle

3. Peer instruction quiz



Anonymous opinion polls

TRY IT

https://www.mentimeter.com/s/0f 7618060a50b2b806796e7a6b14 cea5/ebe00213b8d5

Jigsaw puzzle

- Divide the class into 5 groups A,B,C,D,E
- Assign each group a different pre-reading
- Re-divide the class into 5 new groups so that one person from ABCDE is in the new team
 - 1 ABCDE
 - 2 ABCDE
- Explain what they learned to team mates
- And draw a MindMap



MindMeister Collaborative Concept Map

Engage and Collaborate



- Exchange information and ideas
- Correct one another's mistake
- Make studying fun
- Work simultaneously on the same mind map
- ✓ Infinitely undo all changes
- See who did what and when
- √ Delegate and manage tasks

https://www.mindmeister.com

MindMap

https://www.mindmeister.com/2938 52988/molecular-biology-of-aging

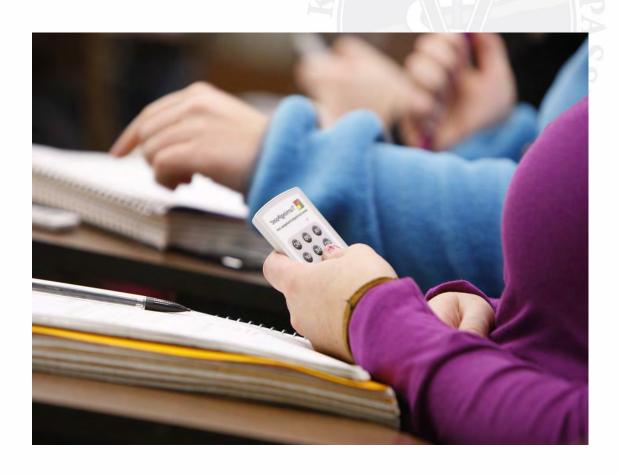


Peer instruction quiz

1. Quiz

2. 60-79% pair

3. Retest





(c) Karla Gutierrez. Controversy Visuals Questions Problem-Contrast solving Things That Labroars Pay VS Z Aftention To Lists Comparisons **Brevity Emotions** Stories

SH!FT

How Do You Confront Their Misconceptions ?

1. Involve them in the conversation

2. Role model how you think

3. Physically involve them

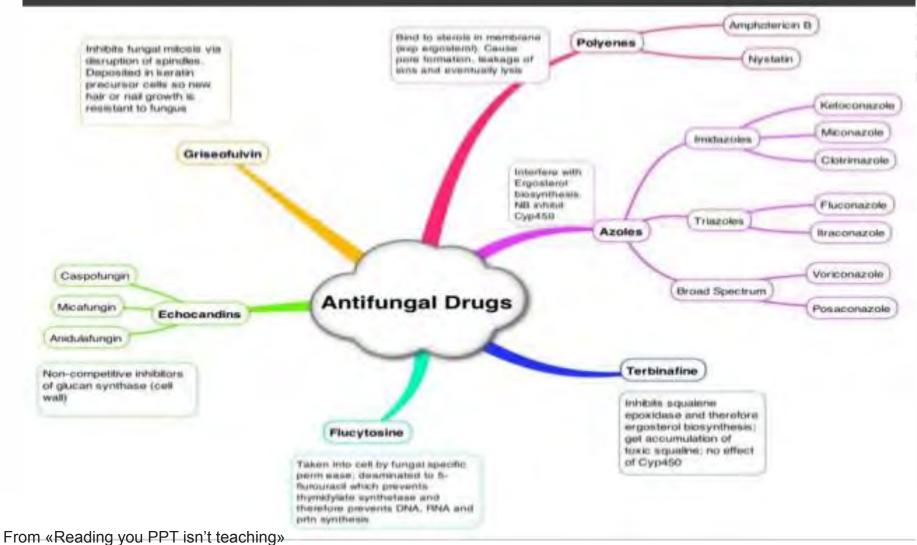


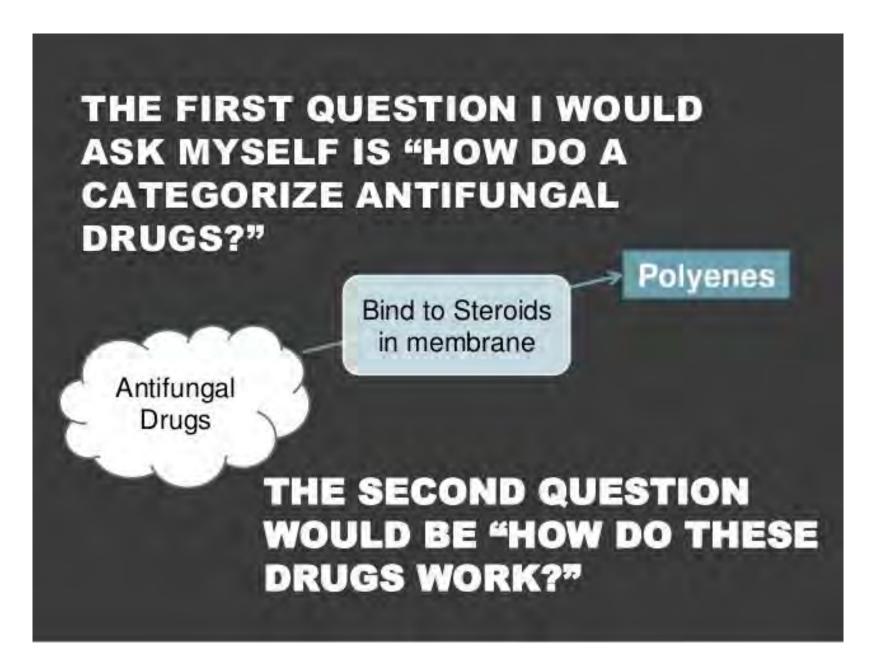
Involve them





2. ROLE MODEL





Physically involve them

https://youtu.be/Yk-4KKsPEvo



How Do You Know That They Actually Learned Anything?

1. Use reflective questions

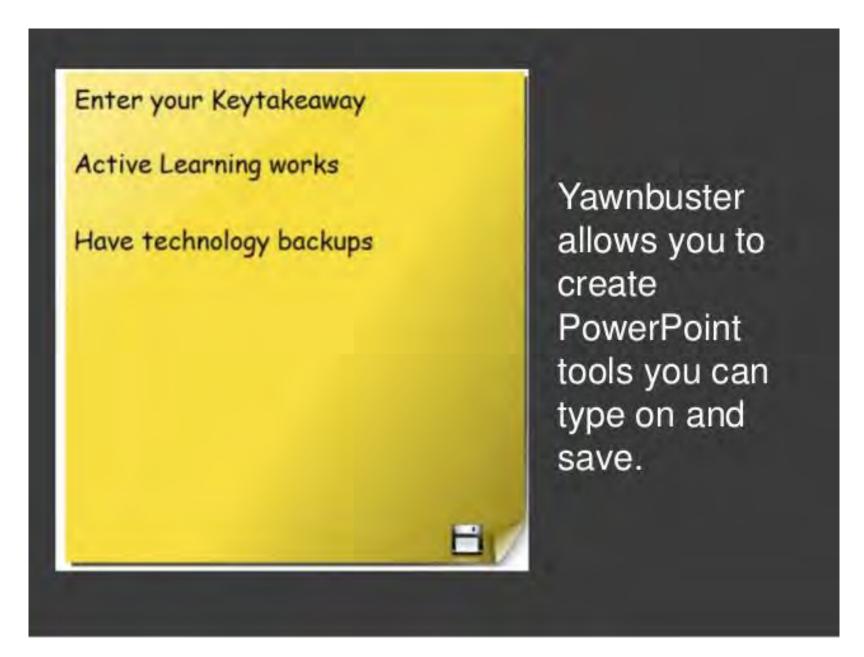
2. Quiz them on Keytakeways



Reflective questions

- What is the most important thing you've learn today?
- What's piquing your curiosity? What can you do when you leave class today to satisfy your curiosity?
- What contributions have you made to our learning today? How could you give a little more?





Resources

- Teaching Professor Tips app
 - http://www.magnapubs.com/teaching-tips-app/
- MindMeiser Collaborative Mindmap
 - https://www.mindmeister.com
- Mentimeter
 - https://www.mentimeter.com
- Answer Garden
 - http://answergarden.ch/
- Yawnbuster interactive PowerPoint
 - http://www.yawnbuster.com/





HOW-TO GUIDE FOR ACTIVE LEARNING

Edited by Alice Fornari, EdD, RD & Ann Poznanski, MD, PhD

A Publication of the International Association of Medical Science Educators



20_{TH} ANNUAL AMSE MEETING

Leiden, The Netherlands June 4 - 7, 2016

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HOSTED BY LEIDEN UNIVERSITY MEDICAL CENTER

Learning Assessment: Connecting Health Science and Clinical Competence

