

e-SUPPLEMENT:

PROGRAM FOR WORKSHOP



UNIVERSITY OF BERGEN



“The Art of Scientific Investigation” **The value of intuition as a research tool**

Monday, 29th May 2017

SESSION ONE: Marianna Cortese, Moderator

9.00-9.15	<i>Welcome</i> Rolv Skjærven, prof. of biostatistics and epidemiology, UiB
9.15-9.30	<i>Introduction: The tools you already have</i> Marianna Cortese and Carl Baravelli, PhD candidates, UiB
9.30-10.15	<i>When logic isn't enough – Making intuition work for you</i> Allen J. Wilcox, NIEHS, US National Institutes of Health, Durham, North Carolina, Former Editor-in-Chief of EPIDEMIOLOGY
10.15-10.40	Small-group discussions
10.40-10.50	Break
10.50-11.15	VIDEO ONE and reactions (plenary)
11.15-12.00	<i>Science is not the same as research</i> Kenneth Hugdahl, prof. of biological psychology, language and attention expert, UiB
12.00-12.15	Small-group discussions
12.15-13.15	Lunch

SESSION TWO: Trond Riise, Moderator

13.15-14.00	<i>Strategies kill novelties</i> Eiliv Lund, prof. of biostatistics and epidemiology, UiT, Tromsø
14.00-14.20	Small-group discussions
14.20-14.45	VIDEO TWO and reactions (plenary)
14.45-15.00	Break
15.00-15.45	<i>Is there a role for data-driven research in the hypothesis driven world of epidemiology?</i> Rolv Skjærven, prof. of biostatistics and epidemiology, UiB
15.45-16.05	Small-group discussions
16.05-16.45	VIDEO THREE, reactions and reflections on the day (plenary)
18.00	Dinner and evening program

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SESSION THREE: Allen Wilcox, Moderator

9.00-9.45	<i>Jazz and (epi)genomics: the art of crafting metaphors in science</i> Miquel Porta, prof. of Preventive Medicine and Public Health, epidemiologist, Autonomous University of Barcelona, Editor of A Dictionary of Epidemiology
9.45-10.10	Small-group discussions
10.10-10.30	VIDEO FOUR and reactions (plenary)
10.30-10.45	Break
10.45-11.30	<i>Meeting creative researchers: a walk down memory lane</i> Lars Vatten, MD, PhD, prof. of epidemiology, NTNU, Trondheim
11.30-11.50	Small-group discussions
11.50-12.15	VIDEO FIVE and reactions (plenary)
12.15-13.15	Lunch

SESSION FOUR: Rolv Skjaerven, Moderator

13.15-14.00	<i>Creativity and anxiety - Inspired by Rollo May's work and ideas</i> Simon Øverland, psychologist, epidemiologist, specialist director FHI, Bergen
14.00-14.15	Small-group discussions
14.15-15.00	<i>What is quality?</i> Roger Strand, prof. at Centre for the Study of the Sciences and the Humanities, UiB, chairman in the European Commission Expert Group on Indicators of Responsible Research and Innovation
15.00-15.15	Break
15.15-15.45	VIDEO SIX and reactions (plenary)
15.45-16.00	<i>What parts were useful? What could have been improved?</i> Discussion of workshop led by Carl Baravelli, PhD candidate

TED talks

SESSION ONE:

Video one: Steven Johnson „Where good ideas come from“

SESSION TWO:

Video two: Adam Grant „The surprising habits of original thinkers“

Video three: Uri Alon „Why science demands a leap into the unknown“

SESSION THREE:

Video four: Tim Brown „Tales of creativity and play“

Video five: David Kelly „How to build your creative confidence“

SESSION FOUR:

Video six: Ken Robinson „Changing education paradigms“

Link related to Prof. Wilcox talk

This video describes how the structure of superclusters of galaxies (Laniakea) was figured out by astronomers:

<http://youtu.be/rENyyRwxpHo>

Quiz: “What is that?” Please brainstorm.

Reddit social experiment called „Place“

<https://www.youtube.com/watch?v=XnRCZK3KjUY&t=1s>