



CANCER
BIOLOGY
TRAINING
CONSORTIUM

Why We Do Science

Tales and Methods to Inspire



Illustration by Dr. Matteo Farinella, scientific illustrator

Our Speakers



Lynn Matrisian, PhD, MBA

Pancreatic Cancer
Action Network



Oliver Bogler, PhD

Night Science
Institute



Julie Rhoades, PhD

Vanderbilt University



Kathy O'Connor, PhD

University of Kentucky



Katharine Ullman, PhD

University of Utah
Huntsman Cancer Institute

A Dichotomy



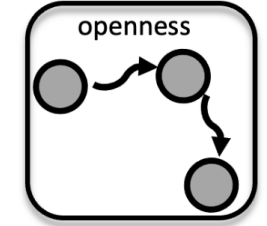
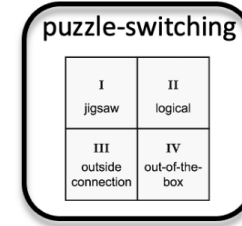
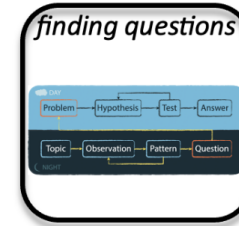
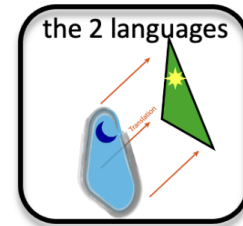
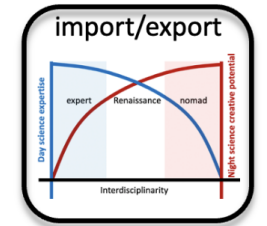
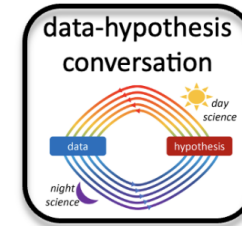
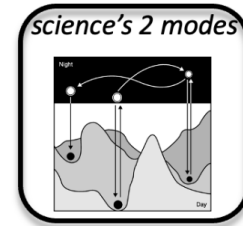
Day Science



Night Science

Mode:	Falsification	Improvisational
Goal:	Hypothesis-testing	Hypothesis-generating
Compartment-alization:	Disciplinary	Interdisciplinary
Language:	Precise	Metaphorical
Logic:	Consistent Answers	Questions from Contradictions
Puzzle-state:	Solution-testing	Puzzle-switching

Thinking Tools



The Creative Process

Embrace the creative mindset as part of science & celebrate the joy of discovery.

Biomedical Research Ecosystem

Are all essential components of a complex and inter-dependent system

All agree on these principles



Academia



NIH/NCI



Patient Advocacy



Pharma/Biotech

Patient-oriented
Science-based
Efficient
Fair

But when push comes to shove and hard decisions need to be made, they put them in a

different order