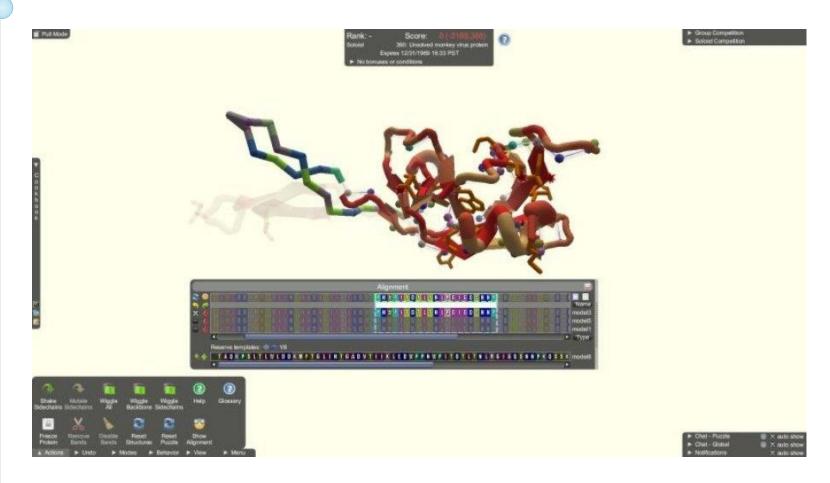
# Can Cultural Diversity be a Driver of Creativity? Spontaneity, the Somatic Arts, and Improvisation

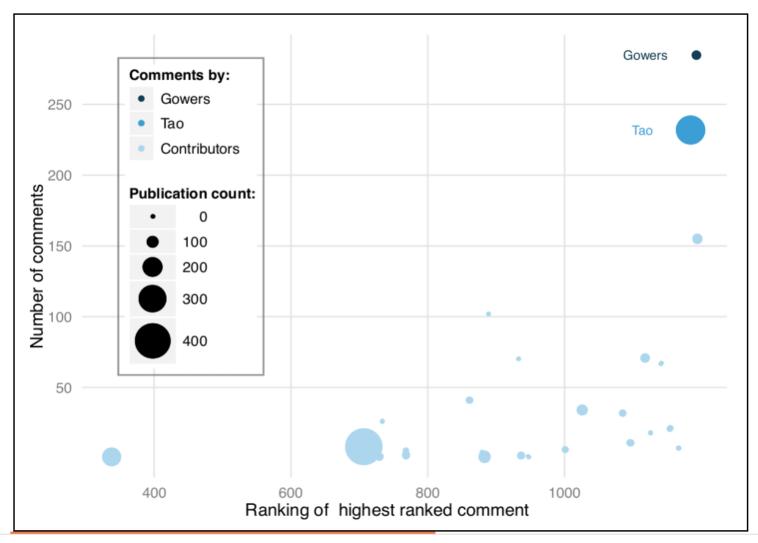
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National Chengchi University June 12, 2020

# Monkey Virus Protein: Foldit Puzzle



## **Polymath**



## Scott Page and Lu Hong

- Identity diversity Gender, race, ethnicity...
- Cognitive diversity
  - Perspectives: Internal representations of problems
  - Heuristics: Algorithms used to locate solutions

(Hong and Page 2004, p. 16385).

# How to Solve Really Hard Problems

The Mind-Body Problem

The Trolley Problem

What is Beauty?

The Hard Problem of Consciousness

The Good Life

What is Justice?

What is Truth?

How to create a harmonious society?

#### Ziran:

#### How to Do Philosophy in Chinese

- On the Lack of a Concept of Ziran in Western Philosophy
- Using Chinese Philosophy and Cognitive Science to Solve Two Paradoxes of Western Philosophy
- 3. Effortless Attention: A Missing Concept in Contemporary Cognitive Science
- 4. Spontaneity, the Somatic Arts, and Improvisation



- I. What is the distinguishing mark, if any, of artistry?
- 2. What is improvisation?

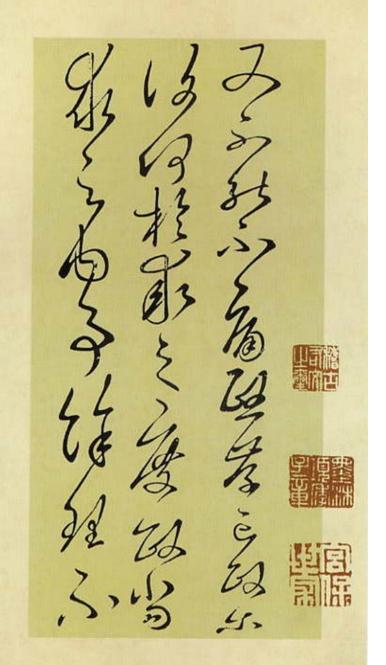
The answer to both involves aesthetic spontaneity.

## Distinguishing Mark?

An identical series of characters can be written by two hands, and though the lines described are precisely the same, with no difference at all between the curves and the structures, the work of the one hand will be an object of joyful contemplation while the work of the other appears so common that the untutored onlooker feels he could do as well himself!

- Chiang Yee 蔣彝, Chinese Calligraphy

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Wu Xin Tie

Wang Xizhi

#### Contrasting Improvisations

- "In improvisational performance, the creative process is the product" (R. Kieth Sawyer)
- "An improvised performance is one in which the structural [vs. expressive] properties of a performance are not completely determined by decisions made prior to the time of performance" (James O. Young and Carl Matheson)
- "[Musical improvisation is] real-time musical decision making
   ... while engaged in a performance" (Richard Cochrane)
- "The realization of all aspects of a composition not precisely indicated by the musical score are improvised." (Carol S. Gould & Kenneth Keaton)
- "Musical improvisation is the spontaneous creation of a musical work as it is being performed" (Philip Alperson)



- Wholeness
  - Collection
  - Letting go
- Fluency
  - Responsiveness
  - Ease (from wholeness)

#### Daoism vs. Aristotle I

Daoist Natural Action as Ideal Action	Aristotle's Rational Deliberation + Habit as Ideal Action		
Concentration (focus on domain)	Rational deliberation (abstraction)		
Letting go (toward vagueness)	Combating (toward clarity)		
Responsiveness (drawn into force of circumstances)	Escape from force of circumstances		
Ease – inner calm	Inner struggle		

#### Daoism vs. Aristotle 2

Daoist Spontaneity	Aristotle's Action			
Nature as the ideal model of action	Nature represents unrestrained action			
Deliberation is debilitating	Deliberation leads to the good			
Action conceived as achieving optimal results	Action conceived as achieving the ethical good			
Spontaneity is the highest form of action	Spontaneity is a lower form of action			

#### Confucian Six Arts 六藝

- Ritual li 禮
- Music yue 樂
- Archery she 射
- Charioteering yu 御/馭
- Writing shu 書
- Calculation shu 數 calendrical, military, and prognostic calculations, as well as farming, engineering, and commerce measurements

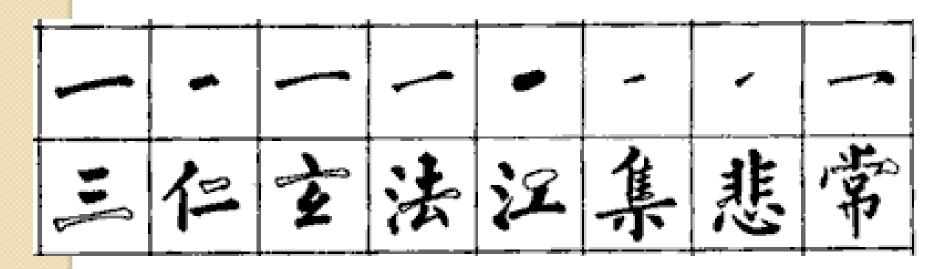


## Art as Nature (Chiang Yee)

"The fundamental inspiration of calligraphy, as of all the arts in China, is nature."

#### Art as Nature

• Horizontal line heng 横: "so written as to seem like a formation of cloud stretching from a thousand miles away and abruptly terminating"

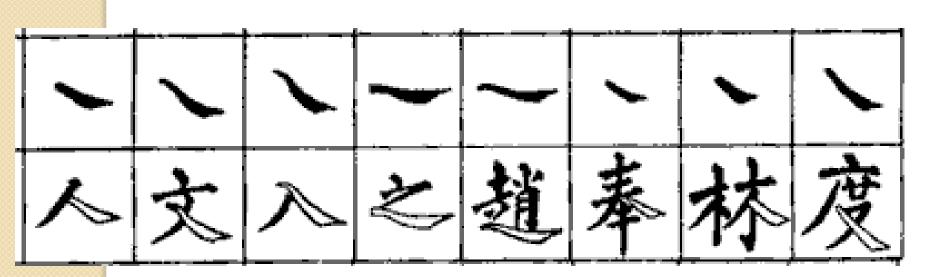


• Dot dian 點: "giving the impression of a rock falling with all its force from a high cliff"

7	•	,	•	•	•	•		
	唐	崇	炎	柳	欲	殘	然	樂。

#### Art as Nature

• Downward stroke *na* 捺:"made from left to right . . . like a wave suddenly rolling up or a flying cloud emitting growls of thunder!"



## Summary of Chiang's Insights

- Art as nature
- Art as movement

Art = Nature = Movement

## Flow (Csikzentimihalyi)

#### Autotelic experience

- Altered sense of time
- High level of concentration
- Confidence and comfort in meeting each new high challenge
- Absence of felt effort
- Absence of self-consciousness



## Rock Climbing Autotelicity

- "You don't feel like you're doing something as a conscious being; you're adapting to the rock and becoming part of it.
- "You're so involved in what you're doing [that] you aren't thinking about yourself as separate from the immediate activity."
- "Somehow the right thing is done without you ever thinking about it or doing anything at all.... It just happens. And yet you're more concentrated."
- "The right decisions are made, but not rationally. Your mind is shut down and your body just goes."

#### Flow & Ziran

Art = Nature = Movement

Marked by loss of self-consciousness



#### Somatic Arts

The art of calligraphy is unique among the arts of the world in that the process of creation in all its consecutive phases is visible in the object. A proper viewer follows with his eyes the brush movements through each of the characters and the sequence of the lines. He thus re-creates for himself the moments of the actual creation.

- Lothar Ledderose, Mi Fu and the Classical Tradition of Chinese Calligraphy, p. 29

# Distinguishing Mark of Artistry?

An identical series of characters can be written by two hands, and though the lines described are precisely the same, with no difference at all between the curves and the structures, the work of the one hand will be an object of joyful contemplation while the work of the other appears so common that the untutored onlooker feels he could do as well himself!

- Chiang Yee 蔣彝, Chinese Calligraphy

- Chiang Yee's answer: "vitalized by emotional energy"
- 神、氣、韻
- 氣 Inner rhythm (内在的節奏)

- Daoist spontaneity (collection, letting go, responsiveness, ease)
- Autotelicity (esp. unselfconsciousness)

Aesthetic spontaneity

The influential modern painting instructor Hans Hofman once stopped by to visit Jackson Pollock and view his work. Hofman said, "You are very talented; you should join my class. But you do not work from nature. This is no good. You will repeat yourself. You work by heart, not from nature."

Pollock responded: "I am nature."

-K. Evans, Jackson Pollock: Portrait of an artist

#### Aesthetic spontaneity

- Art = nature = movement
- Collection
- Letting go (e.g., self-consciousness)
- Responsiveness
- Ease

#### Contrasting Improvisations

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#### Ambiguity in Improvisation

- In ten articles, there are no fewer than seven distinct understandings of "improvisation."
- The term most often associated with "improvisation" is "creativity," followed by "spontaneity," "interpretation," "fluency," "extemporaneous," deliberate," "convention," "performance," and "composition."
- Other common terms: impromptu, authenticity, individuality

# Views of Improvisation

-38		
	Sawyer	public, ephemeral, collective performance;
		Picasso as improvisercompositional
	Young &	indeterminacy of structural properties
	Matheson	substitutive, elaborative, completive
	Cochrane	any variation in a musical performance
		derivative
	Gould &	any variation in a musical performance;
	Keaton	conceptually independent of impromptu
		performance; all musical performance requires
		improvisationderivative
	Day	ordinary, unrehearsed activityimpromptu
	Brown	carved out as it is being played; situation,
		forced, no scriptimpromptu
	Gilmour	improvisation in paintinginventive
	Carter	produces new paradigmsas inventive
	Sterritt	authenticity, spontaneity, individuality 33

#### **Defining Terms**

- Spontaneous
  - I. Impromptu
  - 2. Unscripted
  - 3. (Aesthetic Spontaneity)

#### **Defining Terms**

- Spontaneous (aesthetic spontaneity)
- Impromptu unrehearsed, unscheduled
- Unscripted
- Invent novelty, straying from convention
- Interpret execute outside of instructions
- Complete fill gaps
- Elaborate adding riffs and solos
- Substitute replacing parts

Six Kinds of improvisation

Taxonomy of Improvisation						
Classes of Im	<u>nprovisation</u>	Necessary Improvisational Constraints				
A. Wholesale Composition	B. Derivative Improvisation	(Improvisatore)	Domain conventions	Expressive properties of piece	Structural properties of piece	
1. Compositional improvisation		X (Picasso painting)				
2. Inventive improvisation	2. Inventive improvisation		X (Cezanne painting or a contemporary adaptation of Shakespeare)			
	3. Interpretative improvisation			X (classical piano performance)		
	4. Completive improvisation				X (cadenza)	
	5. Elaborative improvisation				X (jazz)	
	6. Substitutive				X	

improvisation (jazz) No kind of improvisation is necessarily situated and all require at least some element to be unscripted. Blank boxes indicate that the constraint is not necessary to the definition of the kind of improvisation, not that it is not possible.



- Spontaneity as unselfconsciousness
- Unselfconsciousness as authenticity
- Aesthetic spontaneity reveals the true self
  - 。氣質

#### Two Problems

- I. What is the distinguishing mark of artistry, in the somatic arts?
  - Aesthetic spontaneity
    - Art = nature = movement
    - Collection
    - Letting go
    - Responsiveness
    - Ease
- 2. What is improvisation?
  - 2 Classes, 6 Kinds
  - Aesthetic spontaneity reveals the true self



- How to convert ideas from one culture to another
- Analogy of currency exchange
- Diverse cultures = richness of resources



