

The Cambridge Handbook of the Neuroscience of Creativity

Historically, the brain bases of creativity have been of great interest to scholars and the public alike. However, recent technological innovations in the neurosciences, coupled with theoretical and methodological advances in creativity assessment, have enabled humans to gain unprecedented insights into the contributions of the brain to creative thought. This unique volume brings together contributions by the very best scholars to offer a comprehensive overview of cutting-edge research on this important and fascinating topic. The chapters discuss creativity's relationship with intelligence, motivation, psychopathology, and pharmacology, as well as the contributions of general psychological processes to creativity, such as attention, memory, imagination, and language. This book also includes specific and novel approaches to understanding creativity involving musicians, polymaths, animal models, and psychedelic experiences. The chapters are meant to give the reader a solid grasp of the diversity of approaches currently at play in this active and rapidly growing field of inquiry.

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Contents

<i>List of Figures</i>	<i>page</i> viii
<i>List of Tables</i>	xi
<i>List of Contributors</i>	xii
<i>Acknowledgments</i>	xiv
 Introduction	 1
REX E. JUNG AND OSHIN VARTANIAN	
 Part I Fundamental Concepts	
1 Creative Ideas and the Creative Process: Good News and Bad News for the Neuroscience of Creativity	9
DEAN KEITH SIMONTON	
2 Homeostasis and the Control of Creative Drive	19
ALICE W. FLAHERTY	
3 Laterality and Creativity: A False Trail?	50
MICHAEL C. CORBALLIS	
4 The Neural Basis and Evolution of Divergent and Convergent Thought	58
LIANE GABORA	
 Part II Pharmacology and Psychopathology	
5 Stress, Pharmacology, and Creativity	73
DAVID Q. BEVERSDORF	
6 Functional Neuroimaging of Psychedelic Experience: An Overview of Psychological and Neural Effects and their Relevance to Research on Creativity, Daydreaming, and Dreaming	92
KIERAN C. R. FOX, MANESH GIRN, CAMERON C. PARRO, AND KALINA CHRISTOFF	
7 A Heated Debate: Time to Address the Underpinnings of the Association between Creativity and Psychopathology?	114
SIMON KYAGA	
8 Creativity and Psychopathology: A Relationship of Shared Neurocognitive Vulnerabilities	136
SHELLEY H. CARSON	

Part III Attention and Imagination		
9	Attention and Creativity	161
	DARYA L. ZABELINA	
10	Internally Directed Attention in Creative Cognition	180
	MATHIAS BENEDEK	
11	The Forest versus the Trees: Creativity, Cognition and Imagination	195
	ANNA ABRAHAM	
12	A Common Mode of Processing Governing Divergent Thinking and Future Imagination	211
	REECE P. ROBERTS AND DONNA ROSE ADDIS	
Part IV Memory and Language		
13	Going the Extra Creative Mile: The Role of Semantic Distance in Creativity – Theory, Research, and Measurement	233
	YOED N. KENETT	
14	Episodic Memory and Cognitive Control: Contributions to Creative Idea Production	249
	ROGER E. BEATY AND DANIEL L. SCHACTER	
15	Free Association, Divergent Thinking, and Creativity: Cognitive and Neural Perspectives	261
	TALI R. MARRON AND MIRIAM FAUST	
16	Figurative Language Comprehension and Laterality in Autism Spectrum Disorder	281
	RONIT SABAN-BEZAEL AND NIRA MASHAL	
Part V Cognitive Control and Executive Functions		
17	The Costs and Benefits of Cognitive Control for Creativity	299
	EVANGELIA G. CHRYSIKOU	
18	Creativity and Cognitive Control in the Cognitive and Affective Domains	318
	ANDREAS FINK, CORINNA PERCHTOLD, AND CHRISTIAN ROMINGER	
19	Associative and Controlled Cognition in Divergent Thinking: Theoretical, Experimental, Neuroimaging Evidence, and New Directions	333
	EMMANUELLE VOLLE	
Part VI Reasoning and Intelligence		
20	Creativity in the Distance: The Neurocognition of Semantically Distant Relational Thinking and Reasoning	363
	ADAM GREEN	

	Contents	vii
21	Network Dynamics Theory of Human Intelligence AKI NIKOLAIDIS AND ARON K. BARBEY	382
22	Training to be Creative: The Interplay between Cognition, Skill Learning, and Motivation INDRE V. VISKONTAS	405
23	Intelligence and Creativity from the Neuroscience Perspective EMANUEL JAUK	421
Part VII Individual Differences		
24	The Genetics of Creativity: The Underdog of Behavior Genetics? DAVIDE PIFFER	437
25	Structural Studies of Creativity Measured by Divergent Thinking HIKARU TAKEUCHI AND RYUTA KAWASHIMA	451
26	Openness to Experience: Insights from Personality Neuroscience OSHIN VARTANIAN	464
27	Creativity and the Aging Brain KENNETH M. HEILMAN AND IRA S. FISCHLER	476
Part VIII Artistic and Aesthetic Processes		
28	The Neuroscience of Musical Creativity DAVID BASHWINER	495
29	Artistic and Aesthetic Production: Progress and Limitations MALINDA J. MCPHERSON AND CHARLES J. LIMB	517
30	Polymathy: The Resurrection of Renaissance Man and the Renaissance Brain CLAUDIA GARCIA-VEGA AND VINCENT WALSH	528
	<i>Index</i>	540
<i>The color plates are between pages 322 and 323</i>		

Figures

0.1	Frequency of studies of creativity in the psychological sciences.	page 2
0.2	Frequency of studies on the brain bases of creativity.	3
2.1	Near a factor’s ideal value, more can be worse.	21
2.2	Two-axis “ameba” model of motivation.	24
2.3	Simplified model of anatomical pathways involved in creative behavior.	27
2.4	Simplified model of frontotemporal and hemispheric effects on creativity.	30
4.1	Neural-level illustration of context-dependency of creative thought.	60
4.2	(a) In this schematic illustration of a portion of memory, the circles represent neurons, and the orange bars represent properties responded to by particular neurons – in this case, lines of a particular orientation. (b) In this more detailed schematic representation of this portion of memory, each vertex represents a <i>possible</i> property, and each black ring represents a property that actually elicits maximal response from an existing neuron.	61
4.3	As in Figure 4.2, in this schematic illustration of a portion of memory, the circles represent neurons, and the orange bars represent properties responded to by particular neurons – in this case, lines of a particular orientation.	62
4.4	These panels provide a schematic illustration of a portion of memory in the process of inventing a beanbag chair.	63
4.5	(a) A schematic depiction of the concept TIRE in its state of full potentiality, with many potential properties or affordances. (b) Depiction of how, in its conventional context <i>car</i> , the concept TIRE collapses on tire-relevant properties such as “goes on wheel” and “filled with air.” (c) Depiction of how, in the unconventional context <i>playground equipment</i> , the concept TIRE collapses on the properties that you could hang it and sit on it, which are essential for conceiving of it as a possible swing. (d) Depiction of how, in an even more unconventional context for this concept, <i>pet needs</i> , it collapses on the property “small animal could sleep in it,” which is essential for conceiving of it as a dog bed.	65
5.1	Noradrenergic pathways.	75
5.2	Dopaminergic pathways.	80
6.1	An idealized representation of the phases and stages of psychedelic experience.	99
7.1	Associations between case group psychiatric morbidity and creative professions.	115
7.2	Correlations between divergent thinking (BIS score) scores and thalamic dopamine D2 binding potential.	125
8.1	The shared neurocognitive vulnerability model of creativity and psychopathology.	143
8.2	High IQ and reduced latent inhibition predict creative achievement in eminent achievers and controls.	146
8.3	The mad genius paradox and the shared neurocognitive vulnerability model of creativity and psychopathology.	148

	List of Figures	ix
9.1	Model of Creativity and Attention (MOCA), presenting relations between creative achievement, divergent thinking, and attention.	167
9.2	A Pearson correlation between divergent thinking and validity effect (RT on invalid trials minus RT on valid trials), demonstrating that people with higher divergent thinking scores have more flexible attention ($r(152) = -.23, p = .004$).	168
9.3	Grand averages of the ERPs at Cz.	169
9.4	Partial regression plot depicting partial correlations between divergent thinking (centered) and P50 sensory gating.	170
9.5	(a) Neurophysiological response to rare and frequent targets on an oddball paradigm, showing a larger N2 ERP on rare compared to frequent targets, particularly at parietal sites, indicating that more cognitive control is required on rare compared to frequent targets. (b) A Pearson correlation between divergent thinking and N2 difference (rare targets minus frequent targets), demonstrating that people with higher divergent thinking scores upregulate their cognitive control to a larger degree on the rare compared to the frequent targets compared to people with lower divergent thinking scores ($r(26) = .50, p = .004$).	171
9.6	Putative associations between COMT (tied to DA availability in the prefrontal DA pathways) and top-down cognitive control; and DAT (tied to DA availability in striatal pathways) and cognitive flexibility.	172
9.7	A Pearson correlation between creative achievement and congruency effect (RT on incongruent trials minus RT on congruent trials), demonstrating that people with higher real-world creative achievements have more “leaky” attention ($r(94) = .22, p < .03$).	173
9.8	Partial regression plot depicting partial correlations between creative achievement (centered) and P50 sensory gating.	173
11.1	An informal characterization of the cognition–imagination cycle via semantic memory operations.	203
12.1	(a) Significant positive correlation between flexibility scores on the AUT and the mean number of internal details comprising future events on the AI ($r = .40, p < .01$). (b) Hierarchical linear regressions indicated that while the number of internal details for past events (“memory”) predicted the number of internal details comprising imagined past <i>and</i> imagined future events, AUT flexibility scores (“divergent thinking”) only predicted internal details for imagined <i>future</i> events.	219
12.2	Regions reliably contributing to a latent variable showing correlations between brain activity during future imagination (in both <i>Congruent</i> and <i>Incongruent</i> conditions) and performance on the AUT (flexibility scores).	222
13.1	First neighbors (directly connected concepts) for the word <i>sunset</i> according to the different approaches to measure semantic distance (frequency-based, LSA-based, and network-based).	238
16.1	The correlations between ironic comprehension and scores on the HMGT (A) and the vocabulary test (B) in ASD.	286
19.1	Comparative results of functional imaging studies in healthy subjects (meta-analysis from Gonen-Yaacovi et al., 2013) and a patient study in frontotemporal dementia patients (de Souza et al., 2010).	336

x	List of Figures	
19.2	Schematic representation of spontaneous and controlled processing for idea generation.	345
20.1	Frontopolar cortex activity during analogical reasoning.	368
20.2	An illustration of a matrix for the Analogy Finding Matrix task (not a high-fidelity reproduction of the actual matrix used).	373
21.1	This figure represents how intrinsic and extrinsic forces drive the concurrent development of brain networks and cognitive function (Byrge et al., 2014).	383
21.2	This figure summarizes recent work extracting reliable functional networks based on a large-scale meta-analysis of peaks of brain activity for a wide range of motor, perceptual, and cognitive tasks (with permission from Dosenbach et al., 2006; Power & Petersen, 2013).	385
21.3	This figure displays a visual summary of basic network structure (van den Heuvel & Sporns, 2013).	387
21.4	This image represents the brain activity and network contributions to the three cognitive components of cognitive control: start cue, error related, and sustained activity (Power & Petersen, 2013).	389
24.1	Creative achievement model.	442
25.1	Schema of GM, WM, cortical thickness, WM surface, and pial surface.	452
25.2	Schema of associations among DTI measures (FA and MD), anisotropic and isotropic water molecule diffusion, and brain tissue components.	453
25.3	GM correlations with CMDT and subscales.	454
25.4	GM correlation with CMDT and subscales in the axial view.	455
25.5	WM correlation with total scores of CMDT among females in a large sample.	456
25.6	A schema of the models of associations among CMDT, personalities, and MD in the bilateral globus pallidum.	458
26.1	Feist's (2010) functional model of the creative personality.	465

Tables

1.1	Creative and noncreative outcomes according to the three-criteria definition.	<i>page</i> 12
2.1	A first-approximation summary of neurotransmitter effects on motivational factors that play a role in laboratory creativity tests.	25
2.2	Some biological influences on creativity.	30
2.3	Medical disorders perceived as linked to creativity.	32
2.4	Drugs that <i>may</i> have effects on creativity.	36
6.1	Neuroimaging investigations of psychedelic experience.	94
6.2	Overview of the major psychedelic substances.	96
6.3	Phases and stages of psychedelic experience.	99
21.1	This table summarizes some of the most important micro- and macro-level graph-theoretical measurements of functional network construction (Bullmore & Bassett, 2011; Bullmore & Sporns, 2009; Rubinov & Sporns, 2009).	387
21.2	This table summarizes the key predictions made by the Network Dynamics Theory of intelligence regarding the role of specific brain networks and development in intelligence	396
24.1	Intraclass correlations for observed variables.	441
24.2	Intraclass correlations for latent personality factors.	441
24.3	Additive genetic (A), shared (C), and nonshared (E) contributions to individual differences in creative cognition and personality.	443
28.1	Structural and functional imaging studies of musical creativity (sMRI, fMRI, PET, EEG).	498
28.2	EEG power/coherence and genetic studies of musical creativity.	502

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