

SUPPLEMENTARY MATERIAL

Table S1 Overview of activations found in whole-brain analyses

Whole-brain activation peaks for the three conjunction analyses. Peak coordinates are given in standard MNI space. Structure, Brodmann's area (BA), Hemisphere (Hem), cluster size and peak t-value (t) are presented, as well. Significance threshold for the analyses is $p < .001$ (uncorrected), extent threshold is $k \geq 10$. IFG: Inferior frontal gyrus; IPL: Inferior parietal lobule; MFG: Middle frontal gyrus; SFG: Superior frontal gyrus; ACC: Anterior cingulate cortex; MTG: Middle temporal gyrus.

Area	BA	Hem	Cluster size	MNI peak coordinate			t
				x	y	z	
Conceptual expansion (HUHA > HULA \cap HUHA > LUHA)							
IFG	45	R	10	60	17	4	3.77
IFG/MFG	45 - 47	R	73	54	35	13	5.69
IFG/MFG	46/47	L	746	-36	29	-8	8.14
IFG	47	R	14	36	32	-11	4.36
SFG	8/9	L/R	312	-6	26	58	6.13
MFG/cingulate gyrus	8/32	L	45	-27	8	37	5.43
MTG	22	L	32	-57	-52	1	3.94
Thalamus			257	0	-16	7	7.11
Cerebellum		R	221	30	-73	-41	7.50
Cerebellum			17	0	-43	4	3.66
Appropriateness (HUHA > HULA \cap LUHA > HULA)							
MFG	10	L	44	-21	59	10	5.69
SFG/MFG	10/11	L	101	-33	47	-14	6.15
SFG/MFG	11	L/R	68	3	50	-17	4.82
SFG	8/9	L	135	-15	47	40	6.59
ACC/Caudate	24/32	L	77	-9	14	-2	4.63
Caudate		R	70	9	17	-2	4.69
MTG	21	L	43	-63	-22	-14	6.22
IPL/angular gyrus	39/40	L	392	-51	-58	49	7.25
Cerebellum		L	105	-42	-70	-38	4.30
Cerebellum		R	43	42	-76	-44	5.60
Novelty (HUHA > LUHA \cap HULA > LUHA)							
IFG	45	R	11	51	29	7	3.44
SFG	6	L	42	-6	11	64	4.70

Table S2 Overview of activations found for HUHA > control

Activation peaks for bilateral Region-of-Interests BA 10, BA 20, BA 21, BA 45, BA 47 and BA 38. Peak coordinates of each cluster are given in standard MNI space. Structure, Brodmann's area (BA), Hemisphere (Hem), cluster size and peak t-value (t) are presented, as well. Significance threshold for the analyses is $p < .05$ (FWE-corrected); extent threshold $k \geq 3$. IFG: Inferior frontal gyrus; MFG: Middle frontal gyrus; SFG: Superior frontal gyrus; STG: Superior temporal gyrus.

Area	BA	Hem	Cluster size	MNI peak coordinate			
				x	y	z	t
HUHA > control							
IFG	45	L	6	-48	26	1	5.68
IFG	47	L	48	-42	29	-11	8.57
IFG	47	L	4	-48	35	-5	6.11
SFG	10	L	11	-18	56	28	7.56
MFG	10	L	32	-6	62	22	6.86
STG	38	L	6	-48	20	-14	5.42

Figure S1 Overlapping activation for Conceptual expansion and Novelty

Commonly activated areas across two conjunctions (conceptual expansion and novelty) for whole-brain voxel-wise analysis at $p < .001$ (uncorrected). Red: Conceptual expansion; blue: Novelty; purple: overlapping area of activation. $x = 54$.

