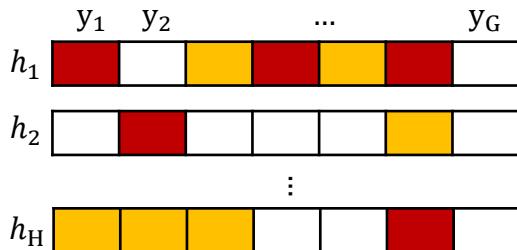


SHISMA

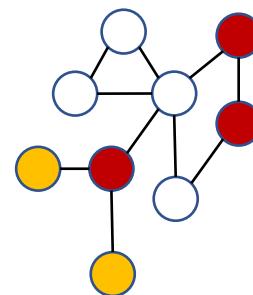
Z

h_1	h_2	...	h_H
5	0		6
1	2		8
3	6		2
1	3		0
0	4		0
0	7		0
1	1		3



Step 1
BoRF representation
and Tree-based Model

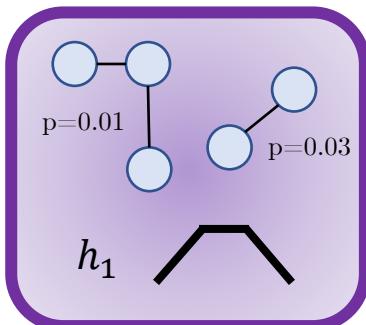
Step 2
Shapley values for cell type
and FWER correction



Step 3
Random walk
performed on H
patterns



Cell type-specific subnetworks with related pattern and p-value



...

